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ABSTRACT

The sixth statewide survey of school principals (1,094) and district superintendents (92) was conducted in April 1989 by the South Carolina State Department of Education Office of Instructional Technology with response rates of 99% and 100% respectively. This report uses tables, charts, and graphs to illustrate the results of the survey and provide information on trends and other descriptive statistics to assist educators with decision-making in the use of technology. Information provided includes the findings of a computer equipment and software inventory and data on such issues as the instructional and administrative uses of computers, computer literacy programs in the schools, and the availability and use of SEED (Software Evaluation Exchange Dissemination) software reviews and a BSAP (Basic Skills Assessment Program)-correlated listing of recommended software. Also provided is a brief review of several special computer projects. Each entry includes, in addition to a project description, information on the name of the firm, brand, or project; the contact person's name, address, and telephone number; placement and use of computers and software; future plans; and student gains resulting from the project. (GL)

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Report on 1988-89

# STATEWIDE COMPUTER SURVEY

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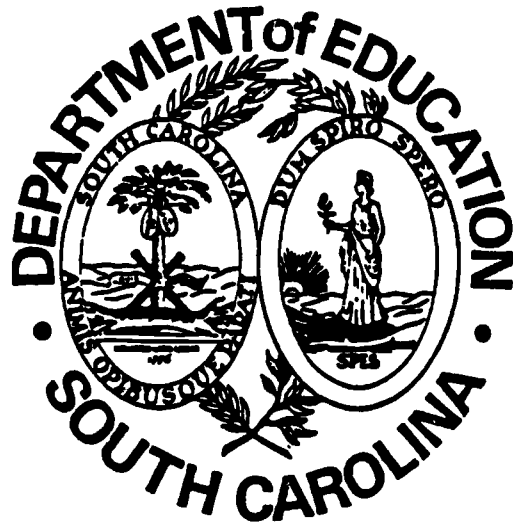


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# 1988-89 STATEWIDE COMPUTER SURVEY REPORT



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## INTRODUCTION

The 1988-89 Computer Survey is the sixth statewide survey conducted by the Office of Instructional Technology, State Department of Education. This survey was conducted in April, 1989.

Tables, charts and graphs are provided to illustrate results of the 1988-89 statewide survey. Trends and other descriptive statistics are provided to assist educators with decision-making in the use of technology.

## SURVEY DESIGN

The questionnaire inventoried computer equipment and software, and dealt with such issues as the instructional and administrative uses of computers, and availability and use of SEED (Software Evaluation Exchange Dissemination) software reviews and a BSAP-correlated listing of recommended software. A seven-question school form and a five-question district form, as well as computer equipment forms were distributed to all South Carolina public school principals and district superintendents.

## RESPONSE RATE

A total of 1,094 school and 92 district forms were received for response rates of 99 percent and 100 percent, respectively.

## SURVEY HIGHLIGHTS

Major findings of the survey include the following:

### Districts

- All school district offices had computers.
- 43 percent of the total computers used at the district level were Apple computers.
- The total rate of change in the number of computers at the district level was 180 percent in 1985, 83 percent in 1986, 61 percent in 1987, and 28 percent in 1988.
- The largest percentage (44 percent) change in the number of computers used belonged to Apple.
- 7 percent of all printers were of the laser type.

### Schools

- Over 98 percent of public schools had computers for either instructional or administrative use.
- Over 98 percent of the schools having at least one computer (1,089), had at least one printer (1,071).
- 57 percent of school faculty members were rated as being computer literate by their principals.
- The computer-student ratio for all computers dropped by 19 percent, from 1:21 to 1:17, from 1987 to 1988.
- The rate of growth in the total number of computers has slowed down slightly over the past two years (from 24 percent in 1987 to 23 percent in 1988).
- IBM continued at the school level as the second largest computer supplier to schools. The largest rate of change in the number of computers belonged to CCC (plus 54 percent over last year).
- The percent of responding schools (734) using BSAP software correlation books was 73 percent in 1988.
- The percent of responding school district offices (82) using BSAP software correlation books was 51 percent.
- Schools indicated that the rate of computer literate certified faculty increased 45 percent, 51 percent, and 57 percent during 1986, 1987, and 1988 respectively.

## SURVEY RESULTS

### I. April 1989 Computer Equipment Inventory

#### A. District Office Survey of Computers and Printers

##### I. Computers

A total of 2,474 computers, comprising over 34 brands, and 1,498 printers were located in school district offices. The number of computers reported by the districts is provided in the table below.

| <u>Year</u> | <u>Number of Computers</u> | <u>Number of Districts</u> |
|-------------|----------------------------|----------------------------|
| 1988-89     | 2,474                      | 93                         |
| 1987-88     | 1,931                      | 92                         |
| 1986-87     | 1,199                      | 92                         |
| 1985-86     | 656                        | 92                         |
| 1984-85     | 234                        | 88                         |
| 1983-84     | 323                        | 73                         |

The top four computer brands in school district offices, their quantities and percentage change over last year are listed below.

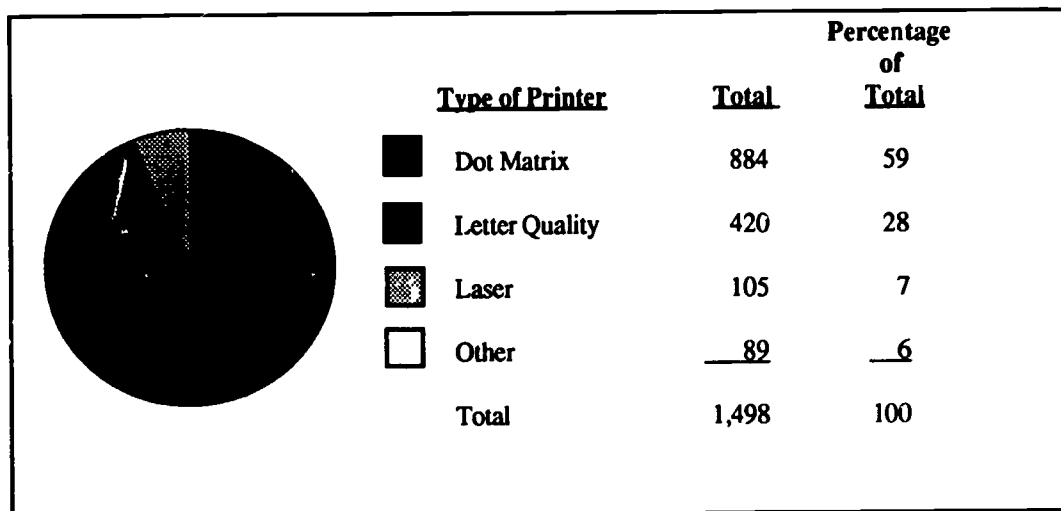
#### 1988 Computer Survey of School District Offices

| <u>Brand of Computer</u> |             |             |             | <u>Percent of All Computers</u> |             |             | <u>Percent Change</u> |             |             |
|--------------------------|-------------|-------------|-------------|---------------------------------|-------------|-------------|-----------------------|-------------|-------------|
|                          | <u>1988</u> | <u>1987</u> | <u>1986</u> | <u>1988</u>                     | <u>1987</u> | <u>1986</u> | <u>1988</u>           | <u>1987</u> | <u>1986</u> |
| Apple                    | 1,072       | 743         | 526         | 43.3                            | 38.5        | 43.8        | 44                    | 41          | 81          |
| IBM                      | 772         | 559         | 343         | 31.2                            | 29.0        | 28.6        | 38                    | 63          | 49          |
| Radio Shack              | 81          | 77          | 79          | 3.3                             | 4.0         | 6.6         | 5                     | -3          | 55          |
| NCR                      | 242         | 170         | 98          | 9.8                             | 8.8         | 8.2         | 42                    | 73          | 880         |
| Other                    | <u>307</u>  | <u>382</u>  | <u>153</u>  | <u>12.4</u>                     | <u>19.7</u> | <u>6.3</u>  | -20                   | 150         | 109         |
| Total                    | 2,474       | 1,931       | 1,199       | 100                             | 100         | 100         | 28                    | 61          | 83          |

The Apple brand computer had the highest percentage (43.3) of school district inventory.

## 2. Printers

The breakdown of printers is illustrated by the following chart and table.



Fifty-nine percent of the printers were dot matrix. Table 1 on page 10 illustrates that over 43 percent of the districts had 10 or more printers.

## B. School Survey of Computers and Printers

### 1. Computers

The number of schools having computers has increased substantially over the past five years. Over the past two years, the total number of computers in schools increased from 29,766 to 36,599, a 22.95 percent increase.

### Number of Schools with Computers and Total Computers

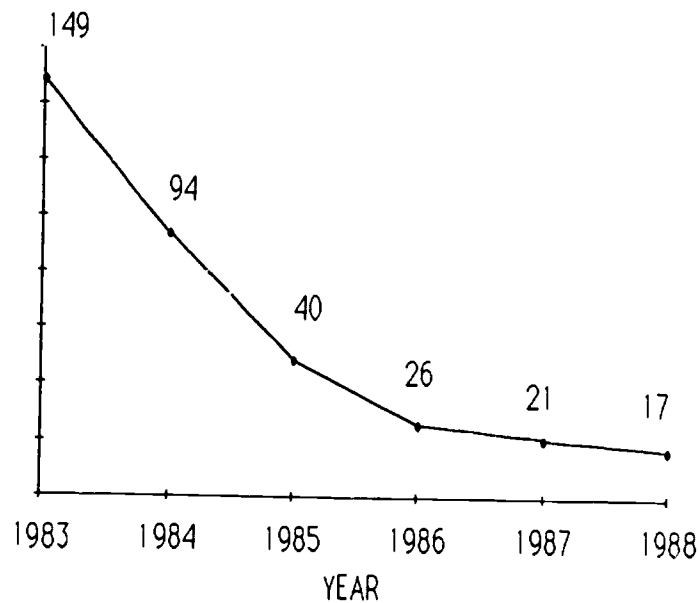
| <u>Years</u> | <u>Number of Schools with Computers</u> | <u>Percent Change Over Last Year</u> | <u>Total Number of Computers</u> | <u>Percent Change Over Last Year</u> |
|--------------|-----------------------------------------|--------------------------------------|----------------------------------|--------------------------------------|
| 1988-89      | 1,089                                   | 1.40                                 | 36,599                           | 22.95                                |
| 1987-88      | 1,074                                   | 1.26                                 | 29,766                           | 23.81                                |
| 1986-87      | 1,061                                   | 0.09                                 | 24,041                           | 60.71                                |
| 1985-86      | 1,062                                   | 17.09                                | 14,959                           | 133.73                               |
| 1984-85      | 907                                     | 21.10                                | 6,400                            | 57.87                                |
| 1983-84      | 749                                     | --                                   | 4,054                            | --                                   |

The number of computers to students ratio reported by schools is illustrated in the following table. The ratio for computers used in grades K-12 for instruction improved to 1:21, compared to the past year's ratio of 1:25. This ratio has been decreasing steadily over the past five years. See the following table and graph.

### Ratio of Computers to Students

|                                       | 1988-89 | 1987-88 | 1986-87 |
|---------------------------------------|---------|---------|---------|
| <u>Total Computers*</u>               |         |         |         |
| Grades K-12                           | 1:17    | 1:21    | 1:26    |
| Grades K-7                            | 1:20    | 1:25    | 1:44    |
| Grades 8-12                           | 1:14    | 1:17    | 1:16    |
| <u>Instructionally-Used Computers</u> |         |         |         |
| Grades K-12                           | 1:21    | 1:25    | 1:30    |
| Grades K-7                            | 1:24    | 1:29    | 1:48    |
| Grades 8-12                           | 1:17    | 1:20    | 1:18    |
| <u>180-Day Student Enrollment</u>     |         |         |         |
| Grades K-12                           | 633,345 | 632,044 | 626,521 |
| Grades K-7                            | 406,453 | 398,489 | 390,287 |
| Grades 8-12                           | 226,892 | 233,555 | 236,234 |

**1983-1988 COMPUTER-TO-STUDENTS RATIO**  
(Grades K-12 For Total Computers)



\* Total computers includes those used for administration and instruction.



The number of computers used in the schools by major brand, percent of all computers, and percent change over last year are given in the table below.

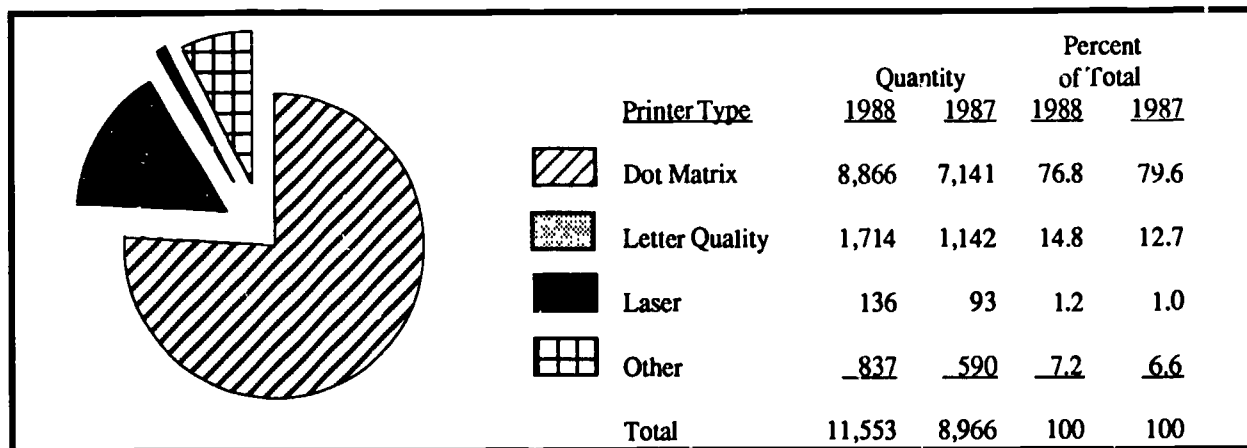
### Top Five Computer Brands Used in Schools

| Brands of Computers |              |              |              | Percent of All Computers |             |             | Percent Change |      |      |
|---------------------|--------------|--------------|--------------|--------------------------|-------------|-------------|----------------|------|------|
|                     | 1988         | 1987         | 1986         | 1988                     | 1987        | 1986        | 1988           | 1987 | 1985 |
| Apple               | 20,833       | 17,386       | 14,686       | 57.0                     | 58.4        | 61.1        | 20             | 18   | 69   |
| IBM                 | 6,726        | 4,933        | 3,574        | 18.0                     | 16.5        | 14.9        | 36             | 38   | 161  |
| Radio Shack         | 2,371        | 2,381        | 2,071        | 7.0                      | 8.0         | 8.6         | - 4            | 15   | 14   |
| Atari               | 1,422        | 984          | 494          | 4.0                      | 3.3         | 2.1         | 45             | 99   | 81   |
| CCC                 | 1,079        | 699          | 423          | 3.0                      | 2.4         | 1.5         | 54             | 65   | 2    |
| Other               | <u>4,168</u> | <u>2,383</u> | <u>2,793</u> | <u>11.0</u>              | <u>11.4</u> | <u>11.6</u> | 23             | 37   | 20   |
| Total               | 36,599       | 29,766       | 24,041       | 100                      | 100         | 100         | 23             | 24   | 61   |

The Apple brand of PCs persisted in having the largest share of schools' computer equipment (57 percent). CCC had the largest jump from last year (it increased 54 percent). The overall rate of increase in computers has slowed down somewhat in comparison to last year (23 percent, down from 24 percent). Table 2 on page 11 shows the number of computers, brand/model and their designated use in schools. Table 3 on page 12 shows that .5 percent of the schools had one computer. Furthermore, 63 percent of the schools with computers had 21 or more computers.

## 2. Printers

Printers are subdivided into four broad categories. The distribution of the printers is illustrated as follows:



Seventy-seven percent of all printers were dot matrix. Table 4 on page 12 shows the distribution and use of printers in the schools. Table 5 on page 13 illustrates the frequency distribution of the schools' printers. Only two percent of the schools had one printer, and 37 percent of the schools had 10 or more.

## II. Instructional and Administrative Uses, Hardware, Software, and Funding

### A. District Office Computer Survey

Ninety-one school districts reported having at least one computer. Other technologies, such as videodisc and data communications were in use in 11 percent and 53 percent of the districts, respectively. At the district office level, over 48 percent of all computers and over 67 percent of all printers were allocated to administrative use at the district level.

#### 1. Technologies Used in Education

##### District Computer Survey

(Total Districts Responding: 92)

##### Total Yes (Percent)

| <u>Technology Use</u> | <u>1988</u> | <u>1987</u> |
|-----------------------|-------------|-------------|
| Microcomputers        | 91 (98%)    | 92 (100%)   |
| Videodiscs            | 10 (11%)    | 6 (7%)      |
| Data Communications   | 49 (53%)    | 23 (27%)    |

#### 2. Reference Sources for Instructional Software Purchased by School District Office

Computer consultants and other school district administrative office staff purchased software frequently using as references the BSAP-correlated software listings and SEED Reviews distributed by ITEC (Office of Instructional Technology). A majority of school districts now use the BSAP software reference source and the SEED Reviews in software purchase decisions as indicated by the following two tables.

Table i-1

##### Number of School Districts Acquiring Software Using the Software/BSAP Correlation Books (82 Districts Responded)

| <u>Subject</u>  | <u>Total Percent<br/>(A &amp; B)</u> | <u>A<br/>To A Large<br/>Extent</u> | <u>B<br/>To Some<br/>Extent</u> | <u>C<br/>Not At<br/>All</u> |
|-----------------|--------------------------------------|------------------------------------|---------------------------------|-----------------------------|
| Language Arts   | 66                                   | 10                                 | 51                              | 21                          |
| Mathematics     | 69                                   | 11                                 | 53                              | 18                          |
| Science         | 60                                   | 5                                  | 51                              | 22                          |
| Other Reference | 44                                   | 7                                  | 34                              | 27                          |

Table i-2

Use of SEED Software Reviews by School Districts

| <u>Questions</u>                                                       | <u>Total Yes</u> | <u>Total No</u> | <u>Percent Yes</u> |
|------------------------------------------------------------------------|------------------|-----------------|--------------------|
| Did your district receive copies of the SEED Project Software Reviews? | 88               | 5               | 95%                |
| Do you have access to a copy of the SEED Reviews?                      | 87               | 6               | 94%                |
| Has anyone used the SEED Software Reviews in selecting software?       | 52               | 41              | 56%                |

B. School Computer Survey

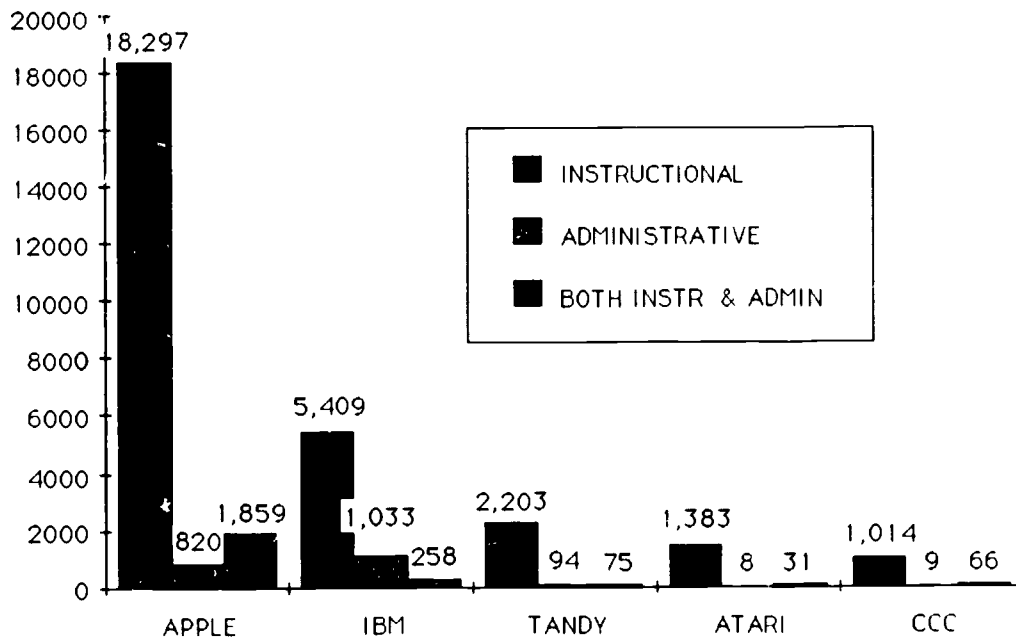
Almost all schools (98 percent) had at least one microcomputer. The vast majority are used for instructional purposes (84 percent of all computers). Other technologies such as data communications were used in fourteen percent of schools, videodiscs in eight percent, and robotics in four percent.

1. Technologies Used in Education

School Computer Survey  
(Total Schools Responding: 1,094)

| <u>Technology Use</u> | <u>Number of Schools Responding Yes</u> |                    |                |                    |
|-----------------------|-----------------------------------------|--------------------|----------------|--------------------|
|                       | <u>1988-89</u>                          | <u>Percent Yes</u> | <u>1987-88</u> | <u>Percent Yes</u> |
| Microcomputers        | 1,077                                   | (98%)              | 1,041          | (97%)              |
| Robotics              | 44                                      | (4%)               | 29             | (3%)               |
| Videodiscs            | 87                                      | (8%)               | 72             | (7%)               |
| Data Communications   | 154                                     | (14%)              | 98             | (19%)              |

NUMBER OF COMPUTERS BY TYPE USED BY SCHOOLS DURING 1988-89



## 2. Staff Development

The number of school faculty considered to be computer literate has risen substantially, from 37 percent three years ago to 57 percent this year. Thirty-nine percent of school faculty members now use microcomputers for instruction.

|                                                                                                                                                     | <u>1988</u>  | <u>1987</u>  | <u>1986</u>  | <u>1985</u>  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|
| 1. Number of computer-literate certified faculty.<br>(from total of 338,112 in Fall 1988<br>Reference: Selected Facts by MIS S.C.D.E.)              | 21,860 (57%) | 19,369 (51%) | 17,743 (45%) | 13,497 (37%) |
| 2. Number of faculty members who use computers for instruction.<br>(from total of 38,112 in Fall 1988<br>Reference: Selected Facts by MIS S.C.D.E.) | 14,837 (39%) | 13,104 (35%) | 11,278 (29%) | —            |

### References for Acquiring Software

#### 1. Use of BSAP Software Correlation Books

Microcomputer software/BSAP correlation books have been published by the Office of Instructional Technology (ITEC) since May 1984. They serve as a reference on available software programs that address specific objectives for students in grades 1-8 in three BSAP curriculum areas -- language arts, mathematics and science. The software/BSAP correlation books provide a consolidated, yearly updated listing of recommended microcomputer software programs available in the software market. For further information contact: ITEC, State Department of Education, Columbia, South Carolina 29201.

The data in Table i-4 is derived from Table i-3. Table i-4 indicates that the largest use of the software/BSAP correlation books was in acquiring mathematics software (73.3 percent of the respondents). The use of this publication in science software selection increased from 56 to 61 percent over last year. The number of schools using BSAP correlation books in science increased from 505 to 578 over last year.

Table i-3

#### Number of Schools Acquiring Software Using the Software/BSAP Correlation Books

| <u>Subject</u> | <u>Total</u> | <u>To a Large Extent</u> | <u>To Some Extent</u> | <u>Not At All</u> |
|----------------|--------------|--------------------------|-----------------------|-------------------|
| Language Arts  | 995 (100%)   | 186 (18.6%)              | 527 (53.0%)           | 282 (28.3%)       |
| Mathematics    | 1,002 (100%) | 195 (18.7%)              | 539 (53.8%)           | 268 (26.7%)       |
| Science        | 943 (100%)   | 111 (11.8%)              | 467 (44.1%)           | 365 (38.7%)       |

Note that only a maximum of 1,002 (90.4%) schools answered this item in the questionnaire.

Table i-4

Summary Data on Number of Schools Using  
BSA P Book in Acquiring Software

| <u>Subject</u> | <u>From Some to a Large Extent</u> |                |                |
|----------------|------------------------------------|----------------|----------------|
|                | <u>1988-89</u>                     | <u>1987-88</u> | <u>1986-87</u> |
| Language Arts  | 713 (71.7%)                        | 700 (71.7%)    | 467 (67.3%)    |
| Mathematics    | 734 (73.3%)                        | 706 (72.3%)    | 483 (69.4%)    |
| Science        | 578 (61.3%)                        | 505 (55.7%)    | 283 (47.3%)    |

2. Use of SEED Project Reviews as a Software Reference

The Software Evaluation Exchange Dissemination (SEED) Project is a collaborative effort coordinated by the Southeastern Educational Improvement Laboratory (SEIL) and the state departments of education in Alabama, Florida, Georgia, Mississippi, New Jersey, North Carolina, and South Carolina. The SEED software evaluation process has been designed and implemented by staff members of participating state education agencies.

Beginning in September 1985, each state selected and trained educators as software reviewers for the evaluation of K-12 instructional software using a standard SEED evaluation form and process. Each title is evaluated by three persons from which a single review or annotation is compiled. A total of 582 SEED Software Annotations had been provided by May 1989 to superintendents, computer coordinators, principals, and media specialists.

From a total 1,094 schools responding to the current survey, 991 indicated that they received the SEED Project Software Reviews (PSR) and 997 schools revealed that they had access to a copy. Another 668 (61 percent) of those who had access to SEED-PSR actually used it in selecting software.

Use of SEED Software Reviews by Schools

| <u>Questions</u>                                                     | <u>Total</u> | <u>Total</u> | <u>Percent</u> |
|----------------------------------------------------------------------|--------------|--------------|----------------|
|                                                                      | <u>Yes</u>   | <u>No</u>    | <u>Yes</u>     |
| Did your school receive copies of the SEED Project Software Reviews? | 991          | 103          | 91%            |
| Do you have access to a copy of the SEED Reviews?                    | 997          | 97           | 91%            |
| Has anyone used the SEED Software Reviews in selecting software?     | 668          | 426          | 61%            |

**Table 1****Frequency of Computer and Printer Units in Districts in 1988-89**

| <u>Number of<br/>Computers and Printers</u>         | <u>Number of Districts<br/>with Computers</u> | <u>Number of Districts<br/>with Printers</u> |
|-----------------------------------------------------|-----------------------------------------------|----------------------------------------------|
| 1                                                   | 3                                             | 3                                            |
| 2                                                   | 7                                             | 8                                            |
| 3                                                   | 4                                             | 4                                            |
| 4                                                   | 5                                             | 6                                            |
| 5                                                   | 9                                             | 11                                           |
| 6                                                   | 4                                             | 9                                            |
| 7                                                   | 7                                             | 4                                            |
| 8                                                   | 1                                             | 3                                            |
| 9                                                   | 5                                             | 5                                            |
| 10                                                  | 4                                             | 4                                            |
| 11                                                  | 2                                             | 1                                            |
| 12                                                  | 2                                             | 6                                            |
| 13                                                  | 2                                             | 1                                            |
| 14                                                  | 3                                             | 0                                            |
| 15                                                  | 3                                             | 1                                            |
| 16                                                  | 2                                             | 4                                            |
| 17                                                  | 1                                             | 2                                            |
| 18                                                  | 1                                             | 2                                            |
| 19                                                  | 1                                             | 1                                            |
| 20                                                  | 1                                             | 1                                            |
| <u>21 +</u>                                         | <u>26</u>                                     | <u>17</u>                                    |
| Total Districts                                     | 93                                            | 93                                           |
| Districts with 10 or more<br>computers or printers: | 48 (52%)                                      | 40 (43%)                                     |

Table 2

## REPORT OF THE USE OF COMPUTERS IN SCHOOLS LISTED BY USE AND BRAND-MODEL

| COMPUTER<br>BRAND MODEL   | TOTAL<br>QTY. | INSTRUCTIONAL |        |       | ADMINISTRATIVE |        |       | INSTR. & ADMIN. |        |       |
|---------------------------|---------------|---------------|--------|-------|----------------|--------|-------|-----------------|--------|-------|
|                           |               | QTY.          | DISTS. | SCHS. | QTY.           | DISTS. | SCHS. | QTY.            | DISTS. | SCHS. |
| APPLE(II, II+, IIC)       | 18,326        | 16,187        | 111    | 980   | 678            | 46     | 371   | 1,600           | 42     | 327   |
| APPLE (III, Mac. or etc.) | 318           | 181           | 26     | 64    | 48             | 15     | 38    | 89              | 14     | 26    |
| APPLE (IIgs)              | 2,189         | 1,929         | 70     | 362   | 94             | 13     | 67    | 170             | 14     | 89    |
| ATARI (400,600, etc.)     | 535           | 528           | 24     | 65    | 2              | 2      | 2     | 5               | 3      | 4     |
| ATARI ST                  | 887           | 855           | 20     | 55    | 6              | 1      | 6     | 26              | 1      | 2     |
| BURROUGHS                 | 8             | 1             | 1      | 1     | 0              | 0      | 0     | 7               | 1      | 1     |
| CCC (SLS-1)               | 1,079         | 1,014         | 23     | 93    | 9              | 7      | 9     | 66              | 5      | 8     |
| COMMODORE                 | 777           | 756           | 43     | 120   | 8              | 2      | 7     | 13              | 3      | 9     |
| DIGITAL                   | 88            | 43            | 22     | 29    | 17             | 12     | 16    | 28              | 12     | 14    |
| FRANKLIN                  | 36            | 30            | 9      | 12    | 3              | 1      | 3     | 10              | 2      | 2     |
| HAYES                     | 1             | 1             | 1      | 1     | 0              | 0      | 0     | 0               | 0      | 0     |
| IBM (34,36,38)            | 307           | 235           | 13     | 21    | 53             | 13     | 23    | 8               | 6      | 6     |
| IBM DISPLAY               | 66            | 50            | 6      | 9     | 14             | 5      | 11    | 2               | 2      | 2     |
| IBM PC                    | 3,100         | 2,453         | 49     | 154   | 497            | 48     | 276   | 130             | 10     | 45    |
| IBM PC JR                 | 1,025         | 983           | 39     | 107   | 30             | 9      | 13    | 13              | 0      | 8     |
| IBM PS/2                  | 2,228         | 1,688         | 35     | 115   | 439            | 46     | 185   | 105             | 12     | 30    |
| KAYPRO                    | 21            | 21            | 1      | 1     | 0              | 0      | 0     | 0               | 0      | 0     |
| LANIER                    | 116           | 95            | 9      | 12    | 0              | 0      | 0     | 20              | 1      | 1     |
| LASER (128, EX)           | 161           | 150           | 26     | 37    | 2              | 2      | 2     | 9               | 3      | 6     |
| LEADING EDGE              | 94            | 52            | 9      | 11    | 27             | 10     | 18    | 15              | 4      | 5     |
| MONROE                    | 19            | 15            | 2      | 2     | 4              | 4      | 4     | 0               | 0      | 0     |
| NCR                       | 982           | 82            | 8      | 37    | 830            | 85     | 517   | 71              | 10     | 33    |
| NEC                       | 4             | 3             | 1      | 1     | 1              | 1      | 1     | 0               | 0      | 0     |
| NIDORF                    | 6             | 0             | 0      | 0     | 2              | 2      | 2     | 4               | 1      | 1     |
| SCOIS                     | 1             | 1             | 1      | 1     | 0              | 0      | 0     | 0               | 0      | 0     |
| SOFTEK                    | 99            | 58            | 5      | 9     | 40             | 8      | 14    | 1               | 1      | 1     |
| SONY                      | 15            | 13            | 4      | 4     | 2              | 1      | 1     | 0               | 0      | 0     |
| SPERRY                    | 27            | 2             | 1      | 2     | 24             | 11     | 20    | 1               | 1      | 1     |
| TANDY (1,000, etc.)       | 842           | 726           | 36     | 74    | 59             | 18     | 38    | 58              | 7      | 15    |
| TELEVIDEO                 | 4             | 4             | 1      | 1     | 0              | 0      | 0     | 0               | 0      | 0     |
| TI                        | 348           | 308           | 31     | 68    | 6              | 1      | 2     | 2               | 0      | 1     |
| TRS-80 (I-IV)             | 1,252         | 1,206         | 63     | 158   | 31             | 10     | 18    | 15              | 7      | 13    |
| TRS-80 COLOR              | 277           | 271           | 22     | 44    | 4              | 4      | 4     | 2               | 1      | 2     |
| WICAT                     | 122           | 120           | 2      | 4     | 2              | 1      | 2     | 0               | 0      | 0     |
| XEROX                     | 63            | 41            | 2      | 2     | 4              | 2      | 2     | 18              | 2      | 2     |
| ZENITH                    | 144           | 114           | 13     | 15    | 24             | 5      | 7     | 7               | 3      | 3     |
| OTHER IBM COMP.           | 874           | 427           | 37     | 62    | 363            | 47     | 129   | 84              | 14     | 22    |
| OTHER APPLE COMP.         | 158           | 140           | 19     | 25    | 18             | 5      | 7     | 0               | 0      | 0     |
|                           | 36,599*       | 30,784*       |        |       | 3,341*         |        |       | 2,579*          |        |       |

\*Note: A few schools entered the same equipment items in more than one column.

Table 3

FREQUENCY OF COMPUTER UNITS IN K-12 SCHOOLS

| Quantity of Computers<br>in Schools   | Number of Schools<br>with Computers |            |            |           | Percent of Schools with<br>Computer Quantities |              |              |           |
|---------------------------------------|-------------------------------------|------------|------------|-----------|------------------------------------------------|--------------|--------------|-----------|
|                                       | 1988                                | 1987       | 1986       | 1985      | 1988                                           | 1987         | 1986         | 1985      |
| 1                                     | 5                                   | 101        | 69         | 177       | .5%                                            | 9.4%         | 6.5%         | 17%       |
| 2                                     | 4                                   | 53         | 49         | 104       | .4%                                            | 5.2%         | 4.6%         | 10%       |
| 3                                     | 11                                  | 50         | 62         | 90        | 1.0%                                           | 4.6%         | 5.8%         | 8%        |
| 4                                     | 12                                  | 42         | 53         | 76        | 1.1%                                           | 3.9%         | 5.0%         | 7%        |
| 5                                     | 15                                  | 38         | 48         | 61        | 1.4%                                           | 3.5%         | 4.5%         | 6%        |
| 6                                     | 3                                   | 47         | 51         | 61        | .3%                                            | 4.4%         | 4.8%         | 6%        |
| 7                                     | 19                                  | 40         | 47         | 52        | 1.7%                                           | 3.7%         | 4.4%         | 5%        |
| 8                                     | 21                                  | 47         | 51         | 47        | 2.0%                                           | 4.4%         | 4.8%         | 4%        |
| 9                                     | 18                                  | 37         | 49         | 39        | 1.6%                                           | 3.4%         | 4.6%         | 4%        |
| 10                                    | 15                                  | 35         | 36         | 44        | 1.4%                                           | 3.2%         | 3.4%         | 4%        |
| 11                                    | 39                                  | 34         | 26         | 40        | 3.6%                                           | 3.1%         | 2.5%         | 4%        |
| 12                                    | 19                                  | 48         | 39         | 29        | 1.7%                                           | 4.5%         | 3.7%         | 3%        |
| 13                                    | 18                                  | 33         | 37         | 20        | 1.6%                                           | 3.1%         | 3.5%         | 2%        |
| 14                                    | 24                                  | 33         | 38         | 20        | 2.2%                                           | 3.1%         | 3.6%         | 2%        |
| 15                                    | 22                                  | 31         | 30         | 26        | 2.0%                                           | 2.9%         | 2.8%         | 2%        |
| 16                                    | 31                                  | 27         | 31         | 24        | 2.8%                                           | 2.5%         | 2.9%         | 2%        |
| 17                                    | 30                                  | 23         | 34         | 22        | 2.8%                                           | 2.1%         | 3.2%         | 2%        |
| 18                                    | 37                                  | 23         | 28         | 17        | 3.4%                                           | 2.1%         | 2.6%         | 2%        |
| 19                                    | 34                                  | 25         | 21         | 9         | 3.1%                                           | 2.3%         | 2.1%         | 0%        |
| 20                                    | 25                                  | 20         | 15         | 21        | 2.3%                                           | 1.9%         | 1.4%         | 2%        |
| 21 +                                  | <u>687</u>                          | <u>287</u> | <u>247</u> | <u>83</u> | <u>63.1%</u>                                   | <u>26.7%</u> | <u>23.3%</u> | <u>8%</u> |
| Total Schools                         | 1,089                               | 1,074      | 1,061      | 1,062     | 100%                                           | 100%         | 100%         | 100%      |
| Schools with 10 or<br>more computers: | 981                                 | 619        | 582        | 35        |                                                |              |              |           |

Table 4

REPORT OF THE USE OF PRINTERS IN SCHOOLS  
LISTED BY USE AND BRAND-MODEL

| COMPUTER<br>BRAND MODEL | TOTAL<br>QTY. | INSTRUCTIONAL |        |       | ADMINISTRATIVE |        |       | INSTR. & ADMIN. |        |       |
|-------------------------|---------------|---------------|--------|-------|----------------|--------|-------|-----------------|--------|-------|
|                         |               | QTY.          | DISTS. | SCHS. | QTY.           | DISTS. | SCHS. | QTY.            | DISTS. | SCHS. |
| DOT MATRIX              | 8,866         | 5,872         | 101    | 792   | 1,793          | 92     | 711   | 1,211           | 49     | 347   |
| LASER                   | 136           | 53            | 19     | 32    | 57             | 23     | 50    | 26              | 13     | 24    |
| LTR. QUALITY            | 1,714         | 974           | 67     | 196   | 503            | 66     | 302   | 232             | 21     | 77    |
| OTHER                   | 837           | 528           | 59     | 150   | 192            | 43     | 123   | 118             | 18     | 41    |
| TOTALS                  | 11,553*       | 7,427*        |        |       | 2,545*         |        |       | 1,587*          |        |       |

\*Note: A few schools entered the same equipment items in more than one column.



Table 5

FREQUENCY OF PRINTER UNITS IN K-12 SCHOOLS

| Number of Printers<br>in Schools                                             | Number of Schools<br>with Printers | Percent of Schools<br>with Printers |
|------------------------------------------------------------------------------|------------------------------------|-------------------------------------|
| 1                                                                            | 17                                 | 1.6                                 |
| 2                                                                            | 71                                 | 6.6                                 |
| 3                                                                            | 108                                | 10.1                                |
| 4                                                                            | 102                                | 9.5                                 |
| 5                                                                            | 105                                | 9.8                                 |
| 6                                                                            | 85                                 | 7.9                                 |
| 7                                                                            | 73                                 | 6.8                                 |
| 8                                                                            | 52                                 | 4.9                                 |
| 9                                                                            | 58                                 | 5.4                                 |
| 10                                                                           | 51                                 | 4.8                                 |
| 11                                                                           | 34                                 | 3.2                                 |
| 12                                                                           | 31                                 | 2.9                                 |
| 13                                                                           | 31                                 | 2.9                                 |
| 14                                                                           | 28                                 | 2.6                                 |
| 15                                                                           | 20                                 | 1.9                                 |
| 16                                                                           | 10                                 | .9                                  |
| 17                                                                           | 18                                 | 1.7                                 |
| 18                                                                           | 11                                 | 1.0                                 |
| 19                                                                           | 17                                 | 1.6                                 |
| 20                                                                           | 12                                 | 1.1                                 |
| 21+                                                                          | 137                                | 12.8                                |
| Total Schools                                                                | 1,071                              | 100                                 |
| <u>Schools with 10 or more printers:</u><br>(out of those schools reporting) | <u>1988</u><br>400 (37.3%)         |                                     |

Table 6

NUMBER OF ALL SCHOOLS WITH PRINTERS BY SCHOOL LEVEL

| School Level | Number of Schools with Printers |
|--------------|---------------------------------|
| Elementary   | 777                             |
| Secondary    | 247                             |
| Vocational   | <u>47</u>                       |
| All Schools  | 1,071                           |

### III. Statewide Computer Equipment Report by District for 1988-89

| COUNTY       | AREA<br>OR<br>DIST. | NO. OF<br>SCHOOLS | NO. OF COMPUTERS |         | NO. OF PRINTERS |         |
|--------------|---------------------|-------------------|------------------|---------|-----------------|---------|
|              |                     |                   | DISTRICT         | SCHOOLS | DISTRICT        | SCHOOLS |
| ABBEVILLE    | 60                  | 11                | 23               | 188     | 7               | 69      |
| AIKEN        | 01                  | 36                | 23               | 1,738   | 24              | 372     |
| ALLENDALE    | 00                  | 1                 | 0                | 0       | -               | -       |
|              | 01                  | 4                 | 7                | 232     | 6               | 63      |
| ANDERSON     | 00                  | 1                 | -                | 0       | -               | -       |
|              | 01                  | 12                | 11               | 312     | 5               | 62      |
|              | 02                  | 7                 | 6                | 217     | 5               | 58      |
|              | 03                  | 4                 | 6                | 216     | 5               | 35      |
|              | 04                  | 6                 | 3                | 105     | 4               | 31      |
|              | 05                  | 17                | 18               | 672     | 13              | 216     |
| BAMBERG      | 01                  | 5                 | 2                | 105     | 2               | 50      |
|              | 02                  | 3                 | 4                | 108     | 4               | 29      |
| BARNWELL     | 00                  | 1                 | -                | 23      | -               | 8       |
|              | 19                  | 3                 | 4                | 72      | 4               | 21      |
|              | 29                  | 3                 | 73               | 71      | 19              | 16      |
|              | 45                  | 4                 | 2                | 108     | 2               | 47      |
|              | 00                  | 1                 | -                | 42      | -               | 17      |
| BEAUFORT     | 01                  | 19                | 48               | 516     | 39              | 166     |
| BERKELEY     | 01                  | 36                | 47               | 1,517   | 31              | 413     |
| CALHOUN      | 01                  | 4                 | 5                | 166     | 6               | 73      |
| CHARLESTON   | 01                  | 70                | 68               | 2,953   | 49              | 940     |
| CHEROKEE     | 01                  | 19                | 8                | 554     | 8               | 140     |
| CHESTER      | 01                  | 14                | 12               | 370     | 12              | 121     |
| CHESTERFIELD | 01                  | 16                | 17               | 548     | 9               | 146     |

Statewide Computer Equipment Report by District for 1988-89, Continued

| COUNTY     | AREA<br>OR<br>DIST. | NO. OF<br>SCHOOLS | NO. OF COMPUTERS |         | NO. OF PRINTERS |         |
|------------|---------------------|-------------------|------------------|---------|-----------------|---------|
|            |                     |                   | DISTRICT         | SCHOOLS | DISTRICT        | SCHOOLS |
| CLARENDON  | 00                  | 1                 | -                | 68      | -               | 24      |
|            | 01                  | 3                 | 3                | 57      | 4               | 8       |
|            | 02                  | 4                 | 7                | 167     | 9               | 38      |
|            | 03                  | 2                 | 4                | 62      | 5               | 19      |
| COLLETON   | 01                  | 14                | 5                | 348     | 3               | 82      |
| DARLINGTON | 01                  | 26                | 834              | 785     | 335             | 304     |
| DILLON     | 00                  | 1                 | -                | 35      | -               | 33      |
|            | 01                  | 3                 | 1                | 66      | 1               | 18      |
|            | 02                  | 7                 | 11               | 217     | 6               | 104     |
|            | 03                  | 3                 | 7                | 89      | 7               | 17      |
| DORCHESTER | 00                  | 1                 | -                | 63      | -               | 30      |
|            | 02                  | 13                | 22               | 518     | 4               | 194     |
|            | 04                  | 6                 | 5                | 153     | 5               | 61      |
| EDGEFIELD  | 01                  | 7                 | 7                | 297     | 7               | 69      |
| FAIRFIELD  | 01                  | 9                 | 14               | 255     | 12              | 76      |
| FLORENCE   | 01                  | 19                | 40               | 776     | 15              | 236     |
|            | 02                  | 3                 | 5                | 93      | 4               | 33      |
|            | 03                  | 8                 | 14               | 305     | 8               | 71      |
|            | 04                  | 4                 | 4                | 83      | 5               | 23      |
|            | 05                  | 3                 | 15               | 75      | 6               | 26      |
| GEORGETOWN | 01                  | 18                | 57               | 584     | 33              | 122     |
| GREENVILLE | 01                  | 92                | 51               | 2,408   | 57              | 916     |
| GREENWOOD  | 00                  | 1                 | -                | 29      | -               | 9       |
|            | 50                  | 13                | 49               | 421     | 43              | 139     |

Statewide Computer Equipment Report by District for 1988-89, Continued

| COUNTY    | AREA<br>OR<br>DIST. | NO. OF<br>SCHOOLS | NO. OF COMPUTERS |         | NO. OF PRINTERS |         |
|-----------|---------------------|-------------------|------------------|---------|-----------------|---------|
|           |                     |                   | DISTRICT         | SCHOOLS | DISTRICT        | SCHOOLS |
| GREENWOOD | 51                  | 4                 | 2                | 88      | 2               | 41      |
|           | 52                  | 3                 | 5                | 60      | 6               | 28      |
| HAMPTON   | 01                  | 6                 | 6                | 193     | 5               | 54      |
|           | 02                  | 3                 | 7                | 161     | 6               | 55      |
| HORRY     | 01                  | 38                | 64               | 1,305   | 44              | 350     |
| JASPER    | 01                  | 3                 | 9                | 112     | 11              | 27      |
| KERSHAW   | 01                  | 18                | 32               | 489     | 23              | 158     |
| LANCASTER | 01                  | 22                | 20               | 527     | 18              | 214     |
| LAURENS   | 55                  | 9                 | 32               | 298     | 17              | 73      |
|           | 56                  | 7                 | 7                | 207     | 6               | 61      |
| LEE       | 01                  | 8                 | 10               | 254     | 10              | 72      |
| LEXINGTON | 01                  | 11                | 12               | 429     | 12              | 155     |
|           | 02                  | 16                | 55               | 474     | 30              | 242     |
|           | 03                  | 4                 | 2                | 125     | 2               | 41      |
|           | 04                  | 5                 | 14               | 86      | 6               | 12      |
|           | 05                  | 11                | 31               | 588     | 27              | 178     |
| MCCORMICK | 01                  | 5                 | 3                | 183     | 3               | 37      |
| MARION    | 00                  | 1                 | -                | 55      | -               | 25      |
|           | 01                  | 5                 | 9                | 141     | 9               | 47      |
|           | 02                  | 6                 | 15               | 240     | 10              | 51      |
|           | 03                  | 3                 | 3                | 52      | 3               | 18      |
|           | 04                  | 2                 | 6                | 35      | 1               | 13      |
| MARLBORO  | 01                  | 16                | 10               | 376     | 6               | 99      |
| NEWBERRY  | 01                  | 17                | 16               | 234     | 16              | 72      |

Statewide Computer Equipment Report by District for 1988-89, Continued

| COUNTY      | AREA<br>OR<br>DIST. | NO. OF<br>SCHOOLS | NO. OF COMPUTERS |         | NO. OF PRINTERS |         |
|-------------|---------------------|-------------------|------------------|---------|-----------------|---------|
|             |                     |                   | DISTRICT         | SCHOOLS | DISTRICT        | SCHOOLS |
| OCONEE      | 01                  | 24                | 31               | 753     | 16              | 180     |
| ORANGEBURG  | 00                  | 2                 | -                | 74      | -               | 29      |
|             | 01                  | 4                 | 2                | 108     | 2               | 32      |
|             | 02                  | 2                 | 7                | 59      | 7               | 19      |
|             | 03                  | 8                 | 5                | 199     | 5               | 47      |
|             | 04                  | 4                 | 2                | 69      | 2               | 26      |
|             | 05                  | 12                | 36               | 800     | 37              | 176     |
|             | 06                  | 2                 | 1                | 25      | 1               | 12      |
|             | 07                  | 2                 | 5                | 50      | 5               | 12      |
|             | 08                  | 2                 | 2                | 58      | 2               | 33      |
| PICKENS     | 01                  | 28                | 23               | 620     | 19              | 303     |
| RICHLAND    | 01                  | 51                | 140              | 2,018   | 79              | 771     |
|             | 02                  | 14                | 27               | 580     | 22              | 209     |
| SALUDA      | 01                  | 4                 | 5                | 133     | 5               | 59      |
| SPARTANBURG | 00                  | 3                 | -                | 166     | -               | 64      |
|             | 01                  | 9                 | 4                | 215     | 2               | 55      |
|             | 02                  | 10                | 21               | 314     | 16              | 105     |
|             | 03                  | 7                 | 10               | 178     | 12              | 114     |
|             | 04                  | 4                 | 5                | 124     | 5               | 43      |
|             | 05                  | 7                 | 9                | 212     | 8               | 56      |
|             | 06                  | 14                | 9                | 431     | 12              | 130     |
|             | 07                  | 15                | 75               | 749     | 21              | 160     |
| SUMTER      | 00                  | 1                 | -                | 36      | -               | 17      |
|             | 02                  | 14                | 19               | 369     | 12              | 111     |

Statewide Computer Equipment Report by District for 1988-89, Continued

| COUNTY                    | AREA<br>OR<br>DIST. | NO. OF<br>SCHOOLS | NO. OF COMPUTERS |         | NO. OF PRINTERS |         |
|---------------------------|---------------------|-------------------|------------------|---------|-----------------|---------|
|                           |                     |                   | DISTRICT         | SCHOOLS | DISTRICT        | SCHOOLS |
| SUMTER                    | 17                  | 9                 | 23               | 305     | 16              | 135     |
| UNION                     | 01                  | 12                | 13               | 307     | 9               | 94      |
| WILLIAMSBURG              | 01                  | 15                | 16               | 573     | 18              | 125     |
| YORK                      | 01                  | 6                 | 10               | 234     | 10              | 89      |
|                           | 02                  | 7                 | 15               | 305     | 10              | 116     |
|                           | 03                  | 21                | 24               | 647     | 20              | 229     |
|                           | 04                  | 4                 | 1                | 195     | 9               | 54      |
| WIL LOU GRAY              | 06                  | 1                 | -                | -       | -               | -       |
| SC SCHOOLS FOR BLIND/DEAF | 07                  | 5                 | 13               | 45      | 17              | 17      |
| YOUTH SERVICES            | 08                  | 3                 | 6                | 149     | 3               | 63      |
| TOTALS                    |                     | 1,107             | 2,474            | 36,509  | 1,498           | 11,553  |

**PROFILE ON INSTRUCTIONAL AND ADMINISTRATIVE  
USES OF COMPUTERS AND FUTURE PLANS**

**BY**

**SCHOOL DISTRICT**

The information provided in this section of the report provides an overview of the instructional uses to which computers are employed in schools--the state's 92\* school districts--by grade and brand and model of equipment. A brief description of future uses is also included. The total number of computers and printers by brand and model employed instructively, administratively or both is identified.

This information is recommended as a reference for school district administrators and other educators desiring to compare or explore applications of computers between school districts of the state.

**Explanation of Terms:**

**Instructional uses of computers in district schools**

**District/Contact:** Provides the name and address of the contact person for the school district who prepared the input for the district office survey form.

**Instructional Uses:** This column is a listing of subject areas in which computers are used. Use as a "Tool" equates with uses of word processing, data base management or for spreadsheets.

**Grade:** Indicates the grade level or grade range in which each brand and model is employed for various instructional uses.

**Brand/Model:** Identifies the computers used at each grade level for each particular instructional use.

**Descriptions:** Provides additional information on use by broad-grade range, ie., elementary, middle/junior and secondary schools.

**Future Plans:** Provides a brief description of future applications of computers by grade level to include remarks on projected purchases and training plans.

*\*Includes the Department of Youth Services.*

| <u>District/Contact</u>                                                                                                     | <u>School Computers</u>      |                   |                    |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
|                                                                                                                             | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
| <b>Abbeville</b><br>Mrs. Lee R. Murphy<br>Director of Instruction<br>P.O. Box 520<br>Abbeville, SC 29620<br>Phone: 459-5427 | Computer Literacy            | K-12              | Apple IIe/gs       |
|                                                                                                                             | Computer Programming         | 11-12             | Apple IIe          |
|                                                                                                                             | Reading/Language             | K-12              | Apple IIe/gs/CCC   |
|                                                                                                                             | Science                      | K-12              | Apple IIe/gs       |
|                                                                                                                             | Mathematics                  | K-12              | Apple IIe/gs/CCC   |
|                                                                                                                             | Social Studies               | K-12              | Apple IIe/gs       |
|                                                                                                                             | Foreign Language             | 9-12              | Apple IIe          |
|                                                                                                                             | Tool (word processing, etc.) | K-12              | Apple IIe/gs       |
|                                                                                                                             | Business Education           | 9-12              | Apple IIe          |
|                                                                                                                             | Vocational Education         | 9-12              | Apple IIe          |

**Description of Computer Use**

K-12 students have access to Apple IIe/gs computers to supplement regular classroom work. The computers are in teachers' rooms, libraries, and at high schools in lab settings. Grades 5-8 have a computer literacy program, using LOGO as the language. High school business classes use the computers for instruction. Grades 1-8 EIA C/R students use CCC for CAI for supplementary work.

**School and District Office Computers: Future Plans**

- More computers and printers. Possible expansion of CCC for compensatory/remedial students.
- Teach keyboarding in primary grades.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 188              | 170                | 13                    | 32                                      | 69              |
| <b>District Office</b> | 23               | 13                 | 9                     | 1                                       | 7               |

| <u>District/Contact</u>                                                                                                                | <u>School Computers</u>      |                   |                                     |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------------------|
|                                                                                                                                        | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                  |
| <b>Aiken</b><br>Dalcho E. Stanley<br>Director,<br>Instructional Technology<br>P.O. Box 1137<br>Aiken, SC 29802-1137<br>Phone: 648-1311 | Computer Literacy            | 12                | Apple IIe/TRS-80 Model 4            |
|                                                                                                                                        | Computer Programming         | 9-12              | Apple IIe/TRS-80 Model 4            |
|                                                                                                                                        | Reading/Language             | 1-12              | Apple IIe                           |
|                                                                                                                                        | Science                      | 1-5               | Apple IIe                           |
|                                                                                                                                        | Mathematics                  | 1-12              | Apple IIe                           |
|                                                                                                                                        | Social Studies               | 1-5               | Apple IIe                           |
|                                                                                                                                        | Tool (word processing, etc.) | 1-12              | Apple IIe/TRS-80 Model 4/Tandy 1000 |
|                                                                                                                                        | Business Education           | 9-12              | Tandy 1000                          |

**Description of Computer Use**

Elementary -- computer specialist in every elementary school. Minimum of 11 Apples at every school used to supplement classroom instruction. Grades 1-5 have CCC for CAI for supplemental work. Several elementary schools have computers in library!

Middle -- computers available for compensatory/remedial students to use for remedial work. CCC lab for supplemental instruction at all middle schools.

High -- all schools offer computer literacy and business education via a computer. CAI utilized at all high schools through CCC.

**School and District Office Computers: Future Plans**

- Expansion of CCC program at all levels involved. More computers to students.
- Expansion of computerized library systems for all schools.
- Expansion of administrative computers for teacher use for increased efficiency. Electronic gradebooks
- Expansion of district operation to include electronic mail capabilities, and more district level computer usage!

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 1,738            | 1,563              | 132                   | 43                                      | 372             |
| <b>District Office</b> | 23               | 0                  | 11                    | 12                                      | 24              |



**School Computers**

| <u>District/Contact</u>                                                                                                                        | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                     |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|----------------------------------------|
| Allendale<br>Dr. Steve Isom<br>Director of Federal Programs<br>and Technology<br>919 Railroad Avenue<br>Allendale, SC 29810<br>Phone: 584-4603 | Computer Literacy            | 1-12              | IBM PC/PCjr/Apple IIe/NCR              |
|                                                                                                                                                | Computer Programming         | 9-12              | IBM PC                                 |
|                                                                                                                                                | Reading/Language             | 1-12              | IBM PC/PCjr/NCR/Apple IIe/Apple IIgs   |
|                                                                                                                                                | Science                      | 1-12              | IBM PCjr/Apple IIe/gs                  |
|                                                                                                                                                | Mathematics                  | 1-12              | IBM PCjr/Apple IIe/                    |
|                                                                                                                                                | Mathematics                  | 1-12              | IBM PCjr/Apple IIe/Standard/Apple IIgs |
|                                                                                                                                                | Social Studies               | 1-12              | IBM PCjr/Apple IIe/Standard 286        |
|                                                                                                                                                | Foreign Language             | 9-12              | IBM PCjr                               |
|                                                                                                                                                | Tool (word processing, etc.) | Adult/1-12        | IBM PCjr/NCR                           |
|                                                                                                                                                | Business Education           | 9-12              | IBM PCjr/NCR                           |
|                                                                                                                                                | Vocational Education         | 9-12              | IBM-other IBM compatibles              |
|                                                                                                                                                | Other (specify)              | SP.ED.            | IBM PC/PCjr/NCR/Standard 286           |

**Description of Computer Use**

IBM PC's and Apple IIgs' are used in compensatory and remedial reading and math centers and in special education classrooms. IBM PCjr's and Apple IIe's are available for classroom use from the library. IBM PC's are used in business/office skills instruction and for staff development. Instructional computers were purchased with EIA and Chapter I funds. IBM PCjr's and Compaq computers are used for district administration.

**School and District Office Computers: Future Plans**

- NCR PC/810's with color adapters have been added to Chapter I and EIA remedial labs and to English/language arts classes that serve remedial reading and writing students. These machines will be networked into the OSIRIS Classroom Management System as that system is implemented at classroom level.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 232              | 199                | 23                    | 10                                      | 63              |
| <u>District Office</u> | <u>7</u>         | <u>0</u>           | <u>7</u>              | <u>0</u>                                | <u>7</u>        |

**School Computers**

| <u>District/Contact</u>                                                                                       | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|---------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Anderson 1<br>Perry M. Bullard<br>Computer Coordinator<br>Route 1<br>Williamston, SC 29697<br>Phone: 232-4842 | Computer Literacy            | 9-10              | Apple IIe/II+      |
|                                                                                                               | Computer Programming         | 11-12             | Apple IIe          |
|                                                                                                               | Reading/Language             | K-8               | Apple IIe          |
|                                                                                                               | Science                      | K-12              | Apple IIe          |
|                                                                                                               | Mathematics                  | K-12              | Apple IIe          |
|                                                                                                               | Social Studies               | K-12              | Apple IIe          |
|                                                                                                               | Foreign Language             | K-12              | Apple IIe          |
|                                                                                                               | Tool (word processing, etc.) | K-12              | Apple IIe          |
|                                                                                                               | Business Education           | K-12              | Apple IIe          |
| Vocational Education                                                                                          | K-12                         | Apple IIe         |                    |

**Description of Computer Use**

Elementary, K-4, or K-5 -- some schools with IBM Writing to Read lab. All schools have Apple IIe computers and are members of MECC consortium.

**School and District Office Computers: Future Plans**

- Network labs in schools with computer assisted instruction.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 312              | 261                | 34                    | 3                                       | 62              |
| <u>District Office</u> | <u>11</u>        | <u>0</u>           | <u>11</u>             | <u>0</u>                                | <u>5</u>        |

**School Computers**

| <u>District/Contact</u>                                                                                                    | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>   |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|----------------------|
| Anderson 2<br>John W. Eaves<br>District Computer/Test<br>Coordinator<br>Route 2<br>Honea Path, SC 29654<br>Phone: 369-7364 | Computer Literacy            | 1-12              | Apple IIe            |
|                                                                                                                            | Computer Programming         | 1-12              | Apple IIe            |
|                                                                                                                            | Reading/Language             | 1-12              | Apple IIe/Apple IIgs |
|                                                                                                                            | Science                      | 1-12              | Apple IIe            |
|                                                                                                                            | Mathematics                  | 1-12              | Apple IIe            |
|                                                                                                                            | Social Studies               | 1-12              | Apple IIe            |
|                                                                                                                            | Foreign Language             | 9-12              | Apple IIe            |
|                                                                                                                            | Tool (word processing, etc.) | 1-12              | Apple IIe            |
|                                                                                                                            | Business Education           | 9-12              | Apple IIe            |
|                                                                                                                            | Vocational Education         | 9-12              | Apple IIe            |

**Description of Computer Use**

- Chapter I computers are used for math drill, practice, and tutoring in all elementary and middle schools. Computers are used in many compensatory and remedial classes for reading skills improvement.
- Used by gifted and talented with word processing, mathematics, science, problem solving, and programming.
- Students and teachers have MECC Software available for use in all grades.

**School and District Office Computers: Future Plans**

- Present use of computers will be continued and expanded.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 217              | 201                | 12                    | 4                                       | 58              |
| <b>District Office</b> | 6                | 1                  | 0                     | 5                                       | 5               |

**School Computers**

| <b><u>District/Contact</u></b> | <b><u>Instructional Uses</u></b> | <b><u>Grade Span</u></b> | <b><u>Brand/Model</u></b> |
|--------------------------------|----------------------------------|--------------------------|---------------------------|
| Anderson 3                     | Computer Literacy                | 2-12                     | Apple IIe/IBM             |
| Don R. Beck                    | Computer Programming             | 11-12                    | Apple IIe/IBM             |
| CMS/Pathways Coordinator       | Reading/Language                 | K-12                     | MS-DOS/Apple IIe          |
| P.O. Box 118                   | Science                          | K-12                     | MS-DOS/Apple IIe          |
| Iva, SC 29655                  | Mathematics                      | K-12                     | MS-DOS/Apple IIe          |
| Phone: 348-6196                | Social Studies                   | K-12                     | MS-DOS/Apple IIe          |
|                                | Tool (word processing, etc.)     | 11-12                    | IBM                       |

**Description of Computer Use**

Computer literacy is taught starting in the second grade. Students and teachers use MECC software in all grades.

**School and District Office Computers: Future Plans**

- Computerize district libraries with appropriate software.
- Purchase 5 laser printers.
- Purchase 4 additional high speed dot matrix printers.
- Purchase image scanner for district office.
- Purchase five (5) 386 machines and twenty (20) 286 machines with additional printers and accessories under CMS Pilot.

|                        | <b><u>Computers</u></b> | <b><u>Instruction</u></b> | <b><u>Administration</u></b> | <b><u>Instruction &amp; Administration</u></b> | <b><u>Printers</u></b> |
|------------------------|-------------------------|---------------------------|------------------------------|------------------------------------------------|------------------------|
| <b>Schools</b>         | 216                     | 135                       | 35                           | .6                                             | 35                     |
| <b>District Office</b> | 6                       | 0                         | 6                            | 0                                              | 5                      |

| <u>District/Contact</u>                                                                                      | <u>School Computers</u>   |                   |                    |
|--------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
|                                                                                                              | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
| Anderson 4<br>Sarah Powell<br>Coordinator, Pathway<br>P.O. Box 545<br>Pendleton, SC 29670<br>Phone: 646-8000 | Computer Literacy         | 1-12              | Apple IIe/IIc      |
|                                                                                                              | Reading/Language          | 1-12              | Apple IIc/IIc      |
|                                                                                                              | Mathematics               | 1-12              | Apple IIe/IIc      |
|                                                                                                              | Business Education        | 9-12              | Apple IIe/IIc      |
|                                                                                                              | Vocational Education      | 9-12              | Apple IIe/IIc      |

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 105              | 88                 | 14                    | 4                                       | 31              |
| District Office | 3                | 0                  | 3                     | 0                                       | 4               |

| <u>District/Contact</u>                                                                                                                       | <u>School Computers</u>      |                   |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------|
|                                                                                                                                               | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>      |
| Anderson 5<br>Ms. Patricia Spaid<br>Coordinator, Mathematics/<br>Science/Computer<br>P.O. Drawer 439<br>Anderson, SC 29622<br>Phone: 260-5000 | Computer Literacy            | 9-12              | Apple IIe/IIc           |
|                                                                                                                                               | Computer Programming         | 11-12             | Apple IIe/IIc           |
|                                                                                                                                               | Reading/Language             | 1-12              | Apple IIe/IIgs/IBM PCjr |
|                                                                                                                                               | Science                      | 1-12              | Apple IIe/IIgs/IBM PCjr |
|                                                                                                                                               | Mathematics                  | 1-12              | Apple IIe/IIgs/IBM PCjr |
|                                                                                                                                               | Social Studies               | 1-12              | Apple IIe/IIgs          |
|                                                                                                                                               | Tool (word processing, etc.) | 1-12              | Apple IIe/IIgs/IBM PC   |
|                                                                                                                                               | Business Education           | 10-12             | IBM PC                  |
|                                                                                                                                               | Vocational Education         | 11-12             | TRS-80                  |
|                                                                                                                                               | Other (Writing to Read)      | 1                 |                         |

#### Description of Computer Use

Students at all level have exposure to instructional uses of computers. Computers and software have been provided for each compensatory (EIA and Chapter 1) and EIA remedial class. Networked labs are used for remediation in middle and high schools. High schools offers courses in keyboarding, word processing, and computer science. Two elementary schools have Writing to Read labs for first graders.

#### School and District Office Computers: Future Plans

- Graduate courses in computer applications.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 672              | 552                | 77                    | 44                                      | 216             |
| District Office | 18               | 4                  | 14                    | 0                                       | 13              |

**School Computers**

| <u>District/Contact</u>             | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|-------------------------------------|------------------------------|-------------------|--------------------|
| <b>Bamberg 1</b>                    | Computer Literacy            | K-12              | Apple IIe/IIgs     |
| Mrs. B. L. Nicholson                | Reading/Language             | K-9               | Apple IIe/IIgs     |
| Bookkeeper/<br>Pathways Coordinator | Science                      | K-12              | Apple IIe/IIgs     |
| P.O. Box 526                        | Mathematics                  | 8-12              | Apple IIe          |
| Bamberg, SC 29003                   | Tool (word processing, etc.) | 10-12             | Apple IIe/IIgs     |
| Phone: 245-3054                     | Business Education           | 10-12             | IBM PC             |

**School and District Office Computers: Future Plans**

- Present activities will be maintained with no new plans.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 105              | 87                 | 7                     | 11                                      | 50              |
| <b>District Office</b> | 2                | 0                  | 2                     | 0                                       | 2               |

**School Computers**

| <u>District/Contact</u> | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|-------------------------|------------------------------|-------------------|--------------------|
| <b>Bamberg 2</b>        | Computer Literacy            |                   | Apple              |
| Courtney S. Woodfaulk   | Computer Programming         |                   | IBM/Apple          |
| Coordinator,            | Science                      |                   | IBM/Apple          |
| Computers Systems       | Mathematics                  |                   | IBM/Apple          |
| P.O. Box 345            | Social Studies               |                   | IBM/Apple          |
| Denmark, SC 29042       | Tool (word processing, etc.) |                   | IBM/Apple          |
| Phone: 793-3346         | Business Education           |                   | IBM/Apple          |

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 108              | 104                | 4                     | 0                                       | 29              |
| <b>District Office</b> | 4                | 0                  | 4                     | 0                                       | 4               |

**School Computers**

| <u>District/Contact</u>    | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>   |
|----------------------------|---------------------------|-------------------|----------------------|
| <b>Barnwell 19</b>         | Computer Literacy         | K-12              | Apple IIe/II/TI/Comm |
| Anne B. Atkins             | Computer Programming      | 9-12              | Apple IIe            |
| Director, Special Programs | Reading/Language          | K-12              | Apple IIe            |
| P.O. Box 185               | Science                   | 4-12              | Apple IIe            |
| Blackville, SC 29817       | Mathematics               | K-12              | Apple IIe            |
| Phone: 284-2234            | Social Studies            | 4-12              | Apple IIe            |
|                            | Tool                      | 10-12             | IBM                  |
|                            | Business Education        | 9-12              | IBM                  |
|                            | Other (Except Ed.)        | K-12              | TI/Apple IIe         |

All students are exposed to instructional computing. All classrooms in grades 1-4 have a computer, other grades have access to one. All resource rooms have computers. There are computer labs at the elementary, middle, and high schools.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 72               | 70                 | 2                     | 0                                       | 21              |
| <b>District Office</b> | 4                | 0                  | 4                     | 0                                       | 4               |

| <u>District/Contact</u>                                                                                                    | <u>School Computers</u>      |                   |                     |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|---------------------|
|                                                                                                                            | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>  |
| Barnwell 29<br>Brenda Aldrich<br>Supervisor, Instructional<br>410 E. Main Street<br>Williston, SC 29853<br>Phone: 266-3701 | Computer Literacy            | 9-12              | IBM PC              |
|                                                                                                                            | Reading/Language             | 3-8               | Apple IIe           |
|                                                                                                                            | Science                      | 9-12              | Apple IIgs          |
|                                                                                                                            | Mathematics                  | 1-12              | Apple IIe/Macintosh |
|                                                                                                                            | Tool (word processing, etc.) | 9-12              | IBM PC              |
|                                                                                                                            | Business Education           | 9-12              | IBM PC              |
|                                                                                                                            | Other (Pre-Vocation)         | 9                 | Apple IIe           |

**Description of Computer Use**

Elementary students receive instruction for 30 minutes every other week on math software. Middle school students use computers in language arts and math classes at teacher's discretion. High school students receive computer literacy, word-processing, data and spreadsheet instruction, science and prevocation.

**School and District Office Computers: Future Plans**

- We are purchasing materials for Apple networking system for middle school students.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 71               | 67                 | 4                     | 0                                       | 16              |
| District Office | 73               | 66                 | 7                     | 0                                       | 19              |

| <u>District/Contact</u>                                                                                              | <u>School Computers</u>      |                   |                     |
|----------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|---------------------|
|                                                                                                                      | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>  |
| Barnwell 45<br>Laura Sanders<br>Coordinator, Computer<br>2008 Hagood Avenue<br>Barnwell, SC 29812<br>Phone: 259-7405 | Computer Literacy            | 3-12              | Commodore/Apple/IBM |
|                                                                                                                      | Computer Programming         | 11-12             | IBM/laser           |
|                                                                                                                      | Reading/Language             | 1-8               | Apple               |
|                                                                                                                      | Science                      | 6-8               | Apple               |
|                                                                                                                      | Mathematics                  | 1-8               |                     |
|                                                                                                                      | Social Studies               | 6-8               |                     |
|                                                                                                                      | Tool (word processing, etc.) | 10-12             | IBM/Apple/Laser     |
|                                                                                                                      | Business Education           | 9-12              | IBM/Apple/Laser     |
|                                                                                                                      | Vocational Education         | 11-12             | Softex              |

**Description of Computer Use**

Apple IIe and Commodore -- compensatory reading and math; IBM jr and Apple IIe -- classroom 3-8; IBM, Laser, Apple, and Softex -- classroom 9-12; IBM XT, NCR, and Sperry -- administration; Apple IIe and Epson Speech Pac - handicapped students; and OSIRIS - used in all schools.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 108              | 75                 | 25                    | 8                                       | 47              |
| District Office | 2                | 0                  | 2                     | 0                                       | 2               |

**School Computers**

| <b>District/Contact</b>                                                                                                                      | <b>Instructional Uses</b>    | <b>Grade Span</b> | <b>Brand/Model</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| <b>Beaufort</b><br>Diane Brantley<br>Administrative Computer Specialist<br>1300 King Street<br>Beaufort, SC 29902<br>Phone: 524-2660 Ext. 28 | Computer Literacy            | K-3/7-8           | Apple IIe/IIgs     |
|                                                                                                                                              | Computer Programming         | 9-12              | Apple IIe/MS-DOS   |
|                                                                                                                                              | Reading/Language             | 1-6               | Apple IIe/IIc      |
|                                                                                                                                              | Science                      | 10-12             | Apple IIe          |
|                                                                                                                                              | Mathematics                  | 1-6               | Apple IIe          |
|                                                                                                                                              | Social Studies               | 1-6               | Apple IIe          |
|                                                                                                                                              | Foreign Language             | 10-12             | Apple IIe          |
|                                                                                                                                              | Tool (word processing, etc.) | 7-8               | Apple IIe          |
|                                                                                                                                              | Business Education           | 10-12             | Apple IIe          |
|                                                                                                                                              | Vocational Education         | 10-12             | Apple IIe          |

**Description of Computer Use**

A set of curricula objectives and activities has been developed for grades K-6. K-3 emphasis is on computer literacy. Grades 4-6 emphasis is on use of Logo.

**School and District Office Computers: Future Plans**

- Consideration is being given to upgrading the technology in our schools by looking at Apple IIgs, Macintosh, and MS-DOS equipment
- Plans include networking in the classrooms and the hiring of additional personnel. Curriculum is undergoing continuous revisions.
- Computer literacy program is to be standardized in grades 7-8 following move to middle school. Secondary schools will offer programming and application. Elementary schools will continue implementing program and activities developed during school year 87-88.

|                        | <b>Computers</b> | <b>Instruction</b> | <b>Administration</b> | <b>Instruction &amp; Administration</b> | <b>Printers</b> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 516              | 349                | 99                    | 68                                      | 166             |
| <b>District Office</b> | 48               | 0                  | 48                    | 0                                       | 39              |

| <u>District/Contact</u>                                                                                                     | <u>School Computers</u>      |                   |                    |
|-----------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
|                                                                                                                             | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
| <b>Berkeley</b><br>Anne B. Godbee<br>Computer/Gifted/Talented<br>P.O. Box 608<br>Moncks Corner, SC 29461<br>Phone: 761-8600 | Computer Literacy            | 7-12              | Apple IIe          |
|                                                                                                                             | Computer Programming         | 7-12              | Apple IIe          |
|                                                                                                                             | Reading/Language             | K-12              | Apple IIe          |
|                                                                                                                             | Science                      | 1-12              | Apple IIe          |
|                                                                                                                             | Mathematics                  | 1-12              | Apple IIe          |
|                                                                                                                             | Social Studies               | 1-12              | Apple IIe          |
|                                                                                                                             | Foreign Language             | 9-12              | Apple IIe          |
|                                                                                                                             | Tool (word processing, etc.) | 9-12              | Apple IIe          |
|                                                                                                                             | Business Education           | 9-12              | Apple IIe          |
|                                                                                                                             | Vocational Education         | 9-12              | Apple IIe/TERAC    |
|                                                                                                                             | Other (Exceptional)          |                   | Apple IIe          |

**Description of Computer Use**

Every high and middle school has a CCC lab for remedial math and reading. Prescription Learning Labs for compensatory students at selected elementary and middle schools. Drill and practice in remedial/compensatory math and reading classes. High schools offer computer literacy and programming courses. Computers are used in vocational classes, in business courses, and CAD systems are used for drafting. Computers are available in most schools for classroom use. Twenty-one self-contained handicapped classes use computers CAI and drill. Computer circulation and catalog in selected libraries.

**School and District Office Computers: Future Plans**

- Introduction of CD-ROM encyclopedia at selected sites.
- Establishment of district BBS.
- Development of CMS network.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 1,517            | 1,239              | 131                   | 147                                     | 413             |
| <b>District Office</b> | 47               | 18                 | 28                    | 1                                       | 31              |

| <u>District/Contact</u>                                                                                                                                          | <u>School Computers</u>   |                   |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
|                                                                                                                                                                  | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
| <b>Calhoun</b><br>Donnie Boland<br>Assistant Superintendent,<br>Business and<br>Computer Operations<br>P.O. Box 215<br>St. Matthews, SC 29135<br>Phone: 655-7310 |                           |                   |                    |

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 166              | 148                | 10                    | 8                                       | 73              |
| <b>District Office</b> | 5                | 0                  | 5                     | 0                                       | 6               |





**School Computers**

| <u>District/Contact</u>                                                                                                                | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>       |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------------|
| <b>Charleston</b><br>Mike Stratton<br>Supervisor,<br>Computer Education<br>3 Chisolm Street<br>Charleston, SC 29401<br>Phone: 722-8461 | Computer Literacy            |                   | Apple IIe/Iigs/ Model 25 |
|                                                                                                                                        | Computer Programming         | 9-12              | PS-2/Model 25/Iigs       |
|                                                                                                                                        | Reading/Language             |                   | Iigs/Laser               |
|                                                                                                                                        | Science                      |                   | Mac/Iigs                 |
|                                                                                                                                        | Mathematics                  |                   | PS-2/Model 30/Iigs       |
|                                                                                                                                        | Social Studies               |                   | Iigs                     |
|                                                                                                                                        | Foreign Language             |                   | Iigs                     |
|                                                                                                                                        | Tool (word processing, etc.) |                   | PC/Model 25/Iigs/Iie     |
|                                                                                                                                        | Business Education           |                   | PC/Model 30              |
|                                                                                                                                        | Vocational Education         |                   | PC/Tandy                 |

**Description of Computer Use**

Computer availability for students is increasing rapidly. MECC software continues to form the bulk of our collection, but so many sophisticated quality programs are coming on the market that choices are difficult at all levels. Integrated learning systems are increasing (ESC, CCC).

**School and District Office Computers: Future Plans**

- Networking is a major focus in school and administrative settings. A variety of products has created a complex market. File transfer and E-Mail are being installed in administrative areas. Computer labs at all levels are gradually being networked. Staff development is year round and increasing in frequency.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 2,953            | 2,417              | 248                   | 281                                     | 940             |
| <b>District Office</b> | 68               | 0                  | 68                    | 0                                       | 49              |

**School Computers**

| <u>District/Contact</u>                                                                                                | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>          |
|------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|-----------------------------|
| <b>Cherokee</b><br>Olin Huffman<br>Director, Computer Services<br>P.O. Box 460<br>Gaffney, SC 29432<br>Phone: 489-0261 | Computer Literacy         | 8-12              | IBM PS2/Apple IIe/Commodore |
|                                                                                                                        | Reading/Language          | 7-12              | Apple IIe/Iigs              |
|                                                                                                                        | Mathematics               | 7-12              | Rainbow Digitor/Apple IIe   |

**Description of Computer Use**

Instructional use of computers in the elementary school consists primarily of one or more computers located in teachers' classrooms with students using them for computer-assisted instruction. This same approach is being used in the secondary schools, but computer labs are also being used at the senior high level for language and math instruction.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 554              | 463                | 45                    | 46                                      | 140             |
| <b>District Office</b> | 8                | 0                  | 8                     | 0                                       | 8               |

**School Computers**

| <u>District/Contact</u>                                                                                                      | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| <b>Chester</b><br>James F. Poarch<br>Director, Computer Services<br>103 Foote Street<br>Chester, SC 29706<br>Phone: 385-6122 | Computer Literacy            | 8                 | Apple IIe          |
|                                                                                                                              | Computer Programming         | 9-12              | Apple IIe          |
|                                                                                                                              | Reading/Language             | 1-12              | Apple IIe          |
|                                                                                                                              | Mathematics                  | 1-12              | Apple IIe          |
|                                                                                                                              | Tool (word processing, etc.) | 9-12              | Apple IIe          |
|                                                                                                                              | Vocational Education         | 9-12              | IBM PC-AT          |
|                                                                                                                              | Other (Keyboarding)          | 7                 | Apple IIe          |

**Description of Computer Use**

Computers span the curriculum from kindergarten through grade 12. BASIC and PASCAL are taught in grades 9-12. Tool (Word Processing) is being taught in grades 9-12 with preliminary word processing being taught in 0-12. Keyboarding is required for all 7th graders as a nine-week course. Computer Literacy for all 8th graders is required as a nine-week course. Computers are used in grades 1-6 to supplement instruction in the compensatory program. Computers and software are available to all basic skills teachers to supplement the curriculum. EIA Remedial Laboratories (grades 7-8) for both reading and math include computer-assisted instruction of one of several instructional methods. Computers and software are available on a limited basis to all basic skills teachers to provide drill and practice. In grades 9-12, two remedial language arts and two math labs have been established which provide computer-managed and computer-assisted instruction. Other classrooms use computers to provide remediation drill and practice on basic skills and SAT improvement.

**School and District Office Computers: Future Plans**

- Replacement of outdated computer systems will be emphasized in grade 7.
- Expansion of grade 9-12 programming laboratories with additional computers and printers will allow more flexibility in the curriculum. Additionally, projection screens will be used for instructional purposes within all laboratories.
- All teachers new to the district will be taught using the Apple IIe and new school administrative staff will be trained on the IBM PC-AT.
- Networking will be accomplished in three 9-12 laboratories in the Vocational Center as well as the district office utilizing IBM equipment and software.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 370              | 331                | 32                    | 36                                      | 121             |
| <b>District Office</b> | 12               | 0                  | 0                     | 12                                      | 12              |

**School Computers**

| <u>District/Contact</u>                                                                                                | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>               |
|------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|----------------------------------|
| Chesterfield<br>John W. Wagnon<br>Coordinator, Pathways<br>401 West Blvd.<br>Chesterfield, SC 29709<br>Phone: 623-2175 | Computer Literacy            | 2-12              | TRS-80 III, Apple IIe/gs/CCC-SLS |
|                                                                                                                        | Computer Programming         | 7-12              | TRS-80 III/Apple IIe             |
|                                                                                                                        | Reading /Language Arts       | 1-12              | CCC-SLS                          |
|                                                                                                                        | Mathematics                  | 1-12              | CCC-SLS                          |
|                                                                                                                        | Tool (word processing, etc.) | 7-12              | TRS-80 III/Apple IIe/Tandy 1000  |
|                                                                                                                        | Business Education           | 9-12              | TRS-80/Apple IIe/Tandy 1000      |
|                                                                                                                        | Vocational Education         | 9-12              | TRS-80/Apple IIe/Tandy 1000      |

**Description of Computer Use**

All compensatory and remedial students receive daily drill/instructional exercises through a computer lab at each school, usually in addition to remedial classroom instruction. Teachers at all schools use course--specific software to supplement instruction. All middle school and secondary students have access to course offerings presenting introduction, applications, and programming.

**School and District Office Computers: Future Plans**

- Extension of OSIRIS networking capacity into elementary schools maintenance orders and supply requisitions from all schools via E-Mail/bulletin board.
- Laser printing capability for all schools.
- IBM-compatible labs in all high schools.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 548              | 498                | 44                    | 6                                       | 146             |
| District Office | 17               | 0                  | 12                    | 5                                       | 9               |

**School Computers**

| <u>District/Contact</u>                                                                                | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
|--------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
| Clarendon 1<br>Murdock White<br>Director, AVA<br>P.O. Box 38<br>Summerton, SC 29148<br>Phone: 485-2325 | Computer Literacy         | 8 & 12            | Apple II/Ie        |
|                                                                                                        | Computer Programming      | 8-12              | Apple II/Ie        |
|                                                                                                        | Reading /Language Arts    | 2-12              | Apple II/Ie        |
|                                                                                                        | Mathematics               | 2-12              | Apple IIe          |

**Description of Computer Use**

Middle school students work with computers from classrooms and computer lab.

**School and District Office Computers: Future Plans**

- Will install modems in two of three schools and one at district office.
- Will install 5 computers in lab at St. Paul Primary School.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 57               | 53                 | 3                     | 1                                       | 8               |
| District Office | 3                | 0                  | 3                     | 0                                       | 4               |

**District/Contact****School Computers**

Clarendon 2  
 Star H. Martin  
 Coordinator  
 P.O. Box 1252  
 Manning, SC 29102  
 Phone: 435-4435

| <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>                 |
|---------------------------|-------------------|------------------------------------|
| Computer Literacy         | 10                | TRS-80                             |
| Computer Programming      | 10/GTA            | TRS-80/Apple IIc Computer          |
| Reading /Language Arts    | 1-12              | Apple IIe/IBM Compatible with TABS |
| Science                   | 9-12              | Apple IIe/IIgs                     |
| Mathematics               | 1-12              | Apple IIe                          |
| Foreign Language          | 9-12              | Atari                              |
| Business Education        | 9-12              | TRS-80                             |
| Vocational Education      | 9-12              | TRS-80                             |
| Other (Material Center)   | K-12              | Apple IIe                          |

**Description of Computer Use**

Computers assist in compensatory and remedial classes at all grade levels. Computers support reading and math instruction in grades 6-12. Computers are used as instructional aids in science, foreign language, vocational courses, and for gifted students. The review of software for the total curriculum is done through the Material Center. Computer Projectors are used as teaching aids in classroom for instruction concerning software.

**School and District Office Computers: Future Plans**

- Keyboarding 1-8 and Computer Labs 1-6 --district is in the process of writing grants to address these needs.
- Classes and workshops for teachers and teacher aides in Appleworks using the Gradebook as a classroom management system. Previewing TABS for Reading Lab in the high school for future use.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 167              | 103                | 16                    | 54                                      | 38              |
| District Office | 7                | 0                  | 7                     | 0                                       | 9               |

**District/Contact****School Computers**

Clarendon 3  
 Elizabeth Coker  
 Director, Federal Programs  
 P.O. Drawer 270  
 Turbeville, SC 29162  
 Phone: 659-2188

| <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------|-------------------|--------------------|
| Computer Literacy            | 9-12              | Apple IIe/gs       |
| Computer Programming         | 3-8/Gifted        | Kaypro             |
| Reading /Language Arts       | 2-5/6-8           | Apple IIe/Kaypro   |
| Mathematics                  | 2-5/6-8           | Apple IIe/Kaypro   |
| Tool (word processing, etc.) | 3-8/Gifted        | Kaypro             |
| Business Education           | 10-12             | Kaypro             |

**Description of Computer Use**

Compensatory reading and math use Prescription Learning Multi-media Labs in grades 2-5. Compensatory and remedial in grades 6-8 have access to computers for supplementary remedial help. Gifted summer school use computers for many academic areas for enrichment and exploration. Vocational received three computers this year under grant.

**School and District Office Computers: Future Plans**

- All - expand computers literacy and vocational education computer use.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 62               | 57                 | 5                     | 0                                       | 19              |
| District Office | 4                | 0                  | 4                     | 0                                       | 5               |

School Computers

| <u>District/Contact</u>                                                                                                | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>     |
|------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|------------------------|
| <b>Colleton</b><br>Charles Gale<br>Coordinator, Pathways<br>525 Recold Road<br>Walterboro, SC 29488<br>Phone: 538-5538 | Computer Literacy            | 9-12              | Apple IIe              |
|                                                                                                                        | Computer Programming         | 9-12              | Apple IIe/Laser/Softek |
|                                                                                                                        | Reading /Language Arts       | 1-12              | Apple IIe/TRS-80/II    |
|                                                                                                                        | Science                      | 1-12              | Apple IIe              |
|                                                                                                                        | Mathematics                  | 1-12              | Apple IIe/TRS-80       |
|                                                                                                                        | Social Studies               | 1-12              | Apple IIe              |
|                                                                                                                        | Foreign Language             | 9-12              | Apple IIe              |
|                                                                                                                        | Tool (word processing, etc.) | 11-12             | Softek                 |
|                                                                                                                        | Business Education           | 11-12             | Softek                 |
|                                                                                                                        | Vocational Education         | 11-12             | Softek                 |

**Description of Computer Use**

All levels are continuing to add computers and software to integrate into the existing curriculum.

**School and District Office Computers: Future Plans**

- All schools will have modems installed through the OSIRIS system. This will enable further growth through the communication networks, but the lack of funds are a problem.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 348              | 284                | 46                    | 18                                      | 82              |
| <b>District Office</b> | 5                | 0                  | 5                     | 0                                       | 3               |

School Computers

| <u>District/Contact</u>                                                                                                 | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                  |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------------------|
| <b>Darlington</b><br>Diane Sigmon<br>Computer Coordinator<br>102 Park Street<br>Darlington, SC 29532<br>Phone: 393-2586 | Computer Literacy            | K-12              | Apple IIe/IIgs/Tandy/PCjr           |
|                                                                                                                         | Computer Programming         | 9-12              | Apple IIe/IIgs/Tandy/PCjr           |
|                                                                                                                         | Reading /Language Arts       | K-12              | Apple IIe/IIgs/Tandy/PCjr           |
|                                                                                                                         | Science                      | 1-12              | Apple IIe/IIgs/Tandy/PCjr           |
|                                                                                                                         | Mathematics                  | 1-12              | Apple IIe/IIgs/Tandy/PCjr           |
|                                                                                                                         | Social Studies               | 3-12              | Apple IIe/IIgs/Tandy/PCjr           |
|                                                                                                                         | Tool (word processing, etc.) | 9-12              | IBM-Personal Typing Systems/PS-2/PC |
|                                                                                                                         | Business Education           | 9-12              | IBM-Personal Typing Systems/PS-2/PC |
|                                                                                                                         | Vocational Education         | 9-12              | IBM-Personal Typing Systems/PS-2/PC |

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 785              | 627                | 77                    | 81                                      | 304             |
| <b>District Office</b> | 834              | 651                | 105                   | 78                                      | 335             |

| <u>District/Contact</u>  | <u>School Computers</u>   |                   |                    |
|--------------------------|---------------------------|-------------------|--------------------|
|                          | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
| Dillon 1                 | Reading /Language Arts    | 2-12              | Apple IIe          |
| Stephen Laird            | Science                   | 9-12              | Apple IIe          |
| Assistant Superintendent | Mathematics               | 5-12              | Apple IIe          |
| P.O. Box 644             | Social Studies            | 9-12              | Apple IIe          |
| Lake View, SC 29563      | Business Education        | 10-12             | TRS-80             |
| Phone: 759-2882          | Other (Gifted & Talented) | 3-10              | Apple IIe          |

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 66               | 63                 | 3                     | 0                                       | 18              |
| District Office | 1                | 0                  | 1                     | 0                                       | 1               |

| <u>District/Contact</u>  | <u>School Computers</u>   |                   |                    |
|--------------------------|---------------------------|-------------------|--------------------|
|                          | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
| Dillon 2                 | Computer Literacy         | K-12              | Apple IIe          |
| Mrs. Judy Young          | Computer Programming      | 11-12             | Apple IIe          |
| Supervisor,              | Reading /Language Arts    | 1-12              | Apple IIe          |
| Accounting Department    | Science                   | 1-12              | Apple IIe          |
| 401 W. Washington Street | Mathematics               | 1-12              | Apple IIe          |
| Dillon, SC 29536         |                           |                   |                    |

#### **Description of Computer Use**

Used for remediation, drill, and practice. Some "game" formats used for challenge/reward. Computer programming offered as a unit course in high school. Computer management programs used in Chapter I classes in grades 4-6. All schools participate in the Pathways Project (OSIRIS).

#### **School and District Office Computers: Future Plans**

- Computer literacy program for parents at elementary level.
- Continue to purchase computers at all levels to increase availability to teachers and students.
- Possibly to designate a district-level administrator as computer coordinator on a part-time basis.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 217              | 171                | 16                    | 30                                      | 104             |
| District Office | 11               | 0                  | 11                    | 0                                       | 6               |

School Computers

| <u>District/Contact</u>                                                                               | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
|-------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
| Dillon 3<br>C. O. Epps<br>Coordinator, Pathways<br>P.O. Box 458<br>Latta, SC 29565<br>Phone: 752-7101 | Other (OSIRIS)            | Staff             | NCR PC8            |

**Description of Computer Use**  
Class for secretaries on OSIRIS.

**School and District Office Computers: Future Plans**

- Class for secretaries on Q&A.
- Class for expansion of use of OSIRIS.
- Small-group instruction as requested by users.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 89               | 85                 | 4                     | 0                                       | 17              |
| <u>District Office</u> | <u>7</u>         | <u>0</u>           | <u>7</u>              | <u>0</u>                                | <u>7</u>        |

School Computers

| <u>District/Contact</u>                                                                                                | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>           |
|------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|------------------------------|
| Dorchester 2<br>Karl Naugle<br>Computer Coordinator<br>102 Greenwave Blvd.<br>Summerville, SC 29483<br>Phone: 875-4161 | Computer Literacy            | K-12              | Apple Ii/Iigs                |
|                                                                                                                        | Computer Programming         | 6-12              | Apple Ii/Iigs                |
|                                                                                                                        | Reading /Language Arts       | K-12              | Apple Ii/Iigs                |
|                                                                                                                        | Science                      | K-12              | Apple Ii/Iigs                |
|                                                                                                                        | Mathematics                  | K-12              | Apple Ii/Iigs                |
|                                                                                                                        | Social Studies               | K-12              | Apple Ii/Iigs                |
|                                                                                                                        | Foreign Language             | 6-12              | Apple Ii/IBM PC              |
|                                                                                                                        | Tool (word processing, etc.) | K-12              | Apple Ii/Iigs/IBM PC/PS/2-25 |
|                                                                                                                        | Business Education           | 9-12              | IBM PC/PS/2-25               |
|                                                                                                                        | Vocational Education         | 9-12              | IBM PC/PS/2-25               |

**Description of Computer Use**

We are currently revising our computer curriculum to provide a broad based curriculum that will expose all of our students to computers grades K-12 at an even pace. We also are upgrading our vocational education and high school programs to include more computer use as the new-technologies provide us vehicles to use the computer.

**School and District Office Computers: Future Plans**

- We are a part of the state's CMS Project. We are working toward a computer on every teacher's desk for paperwork reduction.
- We also intend to buy additional computers for labs to train our teachers in the new software and also integration of the computer into the classroom curriculum.
- We also plan additional purchases of Apple computers for student use.
- We are networking in many of our schools to provide more opportunity to share data between students and also teachers.
- We also plan to network our district office and add electronic mail service to all schools.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 518              | 393                | 83                    | 43                                      | 194             |
| <u>District Office</u> | <u>22</u>        | <u>0</u>           | <u>0</u>              | <u>22</u>                               | <u>4</u>        |

| <u>District/Contact</u>                                                                                                       | <u>School Computers</u>   |                   |                                   |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|-----------------------------------|
|                                                                                                                               | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>                |
| Dorchester 4<br>Vivian M. Hendrix<br>Coordinator, Math/Science<br>500 Ridge Street<br>St. George, SC 29477<br>Phone: 563-4535 | Computer Literacy         | 9-12              | Apple                             |
|                                                                                                                               | Computer Programming      | 9-12              | Apple                             |
|                                                                                                                               | Reading /Language Arts    | K-12              | CCC/Apple/Apple/Commodore/Digital |
|                                                                                                                               | Mathematics               | K-12              | CCC/Apple/Commodore               |
|                                                                                                                               | Business Education        | 9-12              | Lanier                            |

**Description of Computer Use**

- Elementary: 1. CAI used to supplement regular instruction (reading, math, and language arts)  
2. Writing to Read Lab
- Middle: 1. CCC lab (reading and math)  
2. CAI used to supplement regular instruction (reading, math, and language arts)
- Secondary: 1. CAI used to supplement regular instruction (reading, math, and language arts)  
2. Governor's Remedial Lab -- math and reading  
3. Elementary Programming  
4. Business Applications

**School and District Office Computers: Future Plans**

- Staff Development: 3-hour graduate course -- "Integrating Computers into the Curriculum"
- We plan to offer keyboarding at the secondary level.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 153              | 134                | 14                    | 15                                      | 61              |
| District Office | 5                | 0                  | 2                     | 3                                       | 5               |

| <u>District/Contact</u>                                                                             | <u>School Computers</u>      |                   |                       |
|-----------------------------------------------------------------------------------------------------|------------------------------|-------------------|-----------------------|
|                                                                                                     | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>    |
| Edgefield<br>Charles Wilkes<br>DP Manager<br>P.O. Box 608<br>Edgefield, SC 29824<br>Phone: 275-4601 | Computer Literacy            | K-12              | IBM S-36/IBM PC/Apple |
|                                                                                                     | Computer Programming         | 7-12              | IBM S-36/IBM PC/Apple |
|                                                                                                     | Mathematics                  | K-12              | Apple                 |
|                                                                                                     | Tool (word processing, etc.) | 9-12              | IBM S-36/IBM PC/Apple |
|                                                                                                     | Business Education           | 9-12              | IBM PC/Apple          |
|                                                                                                     | Vocational Education         | 9-12              | IBM PC/Apple          |

**Description of Computer Use**

All students (K-12) have exposure to instructional computing. Each elementary and middle school has at least one computer lab. Kindergarten through sixth-grade students attend one day per week for CAI. Grades 7-8 attend by the quarter semester respectively for CAI and simple programming skills. Computers are used in some of the remedial and compensatory classes. The high school offers programming as an elective. All schools and the vocational school offer word processing. High school special education students use computers in the resource room. Advanced high school math classes use computers to explore math topics and to prepare for the SAT.

Note: High school is presently using student accounting on OSIRIS software on the PC/AT. We are utilizing data communications to the State Department of Education for the teacher certification project and for both high school vocational SCOIS program via a PC/AT and modem. Adult education night classes are learning word processing, computer concepts, and BASIC programming skills on S/36 and PC's.

**School and District Office Computers: Future Plans**

- Install Apple computers at high schools for remediation writing.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 297              | 257                | 22                    | 18                                      | 69              |
| District Office | 7                | 0                  | 4                     | 3                                       | 7               |



**School Computers**

| <u>District/Contact</u>                                                                                                                  | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Fairfield<br>Harold Scarbro<br>Director, Testing/<br>Coordinator, Chapter I<br>P.O. Drawer 622<br>Winnsboro, SC 29180<br>Phone: 635-4607 | Computer Literacy            | K-12              | Apple/IBM          |
|                                                                                                                                          | Computer Programming         | 9-12              | IBM                |
|                                                                                                                                          | Reading /Language Arts       | 1-8               | Apple IIe/IIgs     |
|                                                                                                                                          | Mathematics                  | 1-6               | Apple IIe/IIgs     |
|                                                                                                                                          | Tool (word processing, etc.) | 9-12              | IBM                |
|                                                                                                                                          | Business Education           | 9-12              | IBM                |
|                                                                                                                                          | Vocational Education         | 9-12              | IBM/Macintosh      |

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 255              | 240                | 12                    | 3                                       | 76              |
| <u>District Office</u> | <u>14</u>        | <u>2</u>           | <u>12</u>             | <u>0</u>                                | <u>12</u>       |

**School Computers**

| <u>District/Contact</u>                                                                                                                                  | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Florence 1<br>Thomas G. Pritchard<br>Director, Testing and<br>Information Management<br>319 South Dargan Street<br>Florence, SC 29501<br>Phone: 664-8151 | Computer Literacy            | 1-12              | Apple IIe/IIgs     |
|                                                                                                                                                          | Computer Programming         | 8-12              | MS-DOS             |
|                                                                                                                                                          | Reading /Language Arts       | 1-12              | Apple IIe/IIgs     |
|                                                                                                                                                          | Science                      | 1-12              | Apple IIe/IIgs     |
|                                                                                                                                                          | Mathematics                  | 1-12              | Apple IIe/IIgs     |
|                                                                                                                                                          | Social Studies               | 1-12              | Apple IIe/IIgs     |
|                                                                                                                                                          | Foreign Language             | 9-12              | Apple IIe/IIgs     |
|                                                                                                                                                          | Tool (word processing, etc.) | 1-12              | Apple/MS-DOS       |
|                                                                                                                                                          | Business Education           | 9-12              | MS-DOS             |

**School and District Office Computers: Future Plans**

- On-going training of all staff members.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 776              | 648                | 72                    | 56                                      | 236             |
| <u>District Office</u> | <u>40</u>        | <u>0</u>           | <u>30</u>             | <u>10</u>                               | <u>15</u>       |

**School Computers**

| <u>District/Contact</u>                                                                                              | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>     |
|----------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|------------------------|
| Florence 2<br>E. Lencie Hyman<br>Director, Instruction<br>Route 1, Box 36-B<br>Pamplico, SC 29583<br>Phone: 493-2502 | Computer Literacy         | 5-12              | Apple IIe/Franklin     |
|                                                                                                                      | Computer Programming      | 9-12              | Apple IIe              |
|                                                                                                                      | Reading /Language Arts    | K-12              | Apple IIe/Franklin/CCC |
|                                                                                                                      | Science                   | 1-12              | Apple IIe/Franklin     |
|                                                                                                                      | Mathematics               | 1-12              | Apple IIe/Franklin     |
|                                                                                                                      | Business Education        | 9-12              | Apple IIe              |

**Description of Computer Use**

Some middle/high school students receive computer literacy training. Computer programming is offered at the high school level. Some elementary and middle school students receive instruction in reading and math via Apple IIe software and the CCC Microhost System. The Apple IIe's are also used in some science classes in grades K-8. Word processing and data processing are offered to students in grades 9-12 through the business education department.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 93               | 80                 | 10                    | 3                                       | 33              |
| <u>District Office</u> | <u>5</u>         | <u>0</u>           | <u>5</u>              | <u>0</u>                                | <u>4</u>        |

| <u>District/Contact</u>                                                                                                    | <u>School Computers</u>      |                   |                    |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
|                                                                                                                            | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
| Florence 3<br>Christopher A. Guerrieri<br>Assistant Superintendent<br>Drawer 128<br>Lake City, SC 29560<br>Phone: 394-8652 | Computer Literacy            | 4-8               | Apple              |
|                                                                                                                            | Computer Programming         | 10-12             | Apple/IBM          |
|                                                                                                                            | Reading /Language Arts       | 2-8               | CCC/Apple          |
|                                                                                                                            | Science                      | 2-8               | Apple              |
|                                                                                                                            | Mathematics                  | 2-8               | CCC/Apple          |
|                                                                                                                            | Social Studies               | 2-8               | Apple              |
|                                                                                                                            | Foreign Language             | 2-8               | Apple              |
|                                                                                                                            | Tool (word processing, etc.) | 4-8/10-12         | IBM/Apple          |
|                                                                                                                            | Business Education           | 10-12             | IBM                |
|                                                                                                                            | Vocational Education         | 10-12             | IBM/Apple          |

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 305              | 247                | 11                    | 47                                      | 71              |
| District Office | 14               | 0                  | 14                    | 0                                       | 8               |

| <u>District/Contact</u>                                                                                                               | <u>School Computers</u>      |                   |                    |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
|                                                                                                                                       | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
| Florence 4<br>Ms. M. Poole<br>Coordinator, Computer Services<br>112 South Kershaw Street<br>Timmonsville, SC 29161<br>Phone: 346-5391 | Computer Literacy            | 10                | TRS-80             |
|                                                                                                                                       | Computer Programming         | 10-12             | IBM PCjr           |
|                                                                                                                                       | Reading /Language Arts       | K-12              | Apple/CCC/Digital  |
|                                                                                                                                       | Mathematics                  | K-12              | Apple/CCC/Digital  |
|                                                                                                                                       | Tool (word processing, etc.) | 10-12             | IBM PCjr           |
|                                                                                                                                       | Business Education           | 10-12             | IBM PCjr           |
|                                                                                                                                       | Vocational Education         | 10-12             | IBM PCjr/Apple IIe |

#### **Description of Computer Use**

Reinforcement of basic skills in reading and mathematics (K-12).

Business applications, programming (BASIC) literacy, and CAD (computer-aided design) in (10-12) vocational classes.

#### **School and District Office Computers: Future Plans**

- Additional training in computer literacy will be offered for all teachers in the district as an on-going program.
- Several new computers are forecasted for our industrial technology education classes during the 1989-90 school year.
- Our adult education evening classes will probably be using the CCC/Microhost computers to expand instruction in the reading and mathematics classes during the 1989-90 school year.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 83               | 77                 | 4                     | 2                                       | 23              |
| District Office | 4                | 0                  | 4                     | 0                                       | 5               |

**School Computers**

| <u>District/Contact</u>                                                                                                   | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>        |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|---------------------------|
| <b>Florence 5</b><br>Richard Silvermail<br>Computer Coordinator<br>Drawer 98<br>Johnsonville, SC 29555<br>Phone: 386-2341 | Computer Literacy            | K-4/9-12          | Tandy 1000                |
|                                                                                                                           | Reading /Language Arts       | K-12              | Model IV/Tandy 1000       |
|                                                                                                                           | Science                      | K-4               | Tandy 1000                |
|                                                                                                                           | Mathematics                  | K-12              | Model IV/Tandy 1000       |
|                                                                                                                           | Tool (word processing, etc.) | 9-12              | Tandy 1000                |
|                                                                                                                           | Business Education           | 9-12              | Tandy 1000                |
|                                                                                                                           | Vocational Education         | 9-12              | Tandy 1000/Model III & IV |
|                                                                                                                           | Other (Adult Ed.)            |                   | Model IV                  |

**Description of Computer Use**

Elementary -- computer lab of Tandy 1000's -- used for computer literacy, science, math, and reading. Chapter 1 uses Tandy 1000 for remediation.

Middle -- Model IV and Apple IIe's are used in the library by all students. Chapter I uses Tandy 1000's for remediation.

High -- Model 4 network used for remedial math and reading. Tandy 1000's used in business department. Special education use Model 4.

**School and District Office Computers: Future Plans**

- Purchase and implement IBM's Writing to Read program for grade 1.
- Training of all district personnel in the use of the computer.
- Purchase computer lab for teaching of keyboarding at the high school.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 75               | 69                 | 6                     | 0                                       | 26              |
| <b>District Office</b> | 15               | 11                 | 4                     | 0                                       | 6               |

**School Computers**

| <u>District/Contact</u>                                                                                                    | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                  |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------------------|
| <b>Georgetown</b><br>Richard E. Toemmes<br>Director, M.I.S.<br>624 Front Street<br>Georgetown, SC 29440<br>Phone: 527-1338 | Computer Literacy            | K-12              | Apple IIe/IBM/Laser/Atari/Commodore |
|                                                                                                                            | Reading /Language Arts       | K-12              | Apple IIe/IBM/Atari/Commodore       |
|                                                                                                                            | Science                      | K-12              | Apple IIe/IBM/Atari/Commodore       |
|                                                                                                                            | Mathematics                  | K-12              | Apple IIe/IBM/Atari/Commodore       |
|                                                                                                                            | Social Studies               | K-12              | Apple IIe/IBM/Atari/Commodore       |
|                                                                                                                            | Tool (word processing, etc.) | 6-12              | Apple IIe/IBM                       |
|                                                                                                                            | Business Education           | 10-12             | IBM PC & PS2                        |
|                                                                                                                            | Vocational Education         | 10-12             | IBM PC & PS2                        |

**Description of Computer Use**

Students K-12 all experience some computer usage, All middle schools and high schools are equipped with CCC learning lab. Elementary students computer experiences are integrated into other instructional program. Secondary students experience computer use from word processing to computer repairs.

**School and District Office Computers: Future Plans**

- Computerized card filer and checkout in all libraries.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 584              | 535                | 39                    | 10                                      | 122             |
| <b>District Office</b> | 57               | 28                 | 27                    | 2                                       | 33              |

| <u>District/Contact</u>                                                                                        | <u>School Computers</u>      |                   |                          |
|----------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------------|
|                                                                                                                | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>       |
| Greenville<br>Horace Butler<br>Computer Consultant<br>P.O. Box 2848<br>Greenville, SC 29662<br>Phone: 242-6450 | Computer Literacy            | K-12              | Apple/IBM PCjr/IBM PC-PS |
|                                                                                                                | Computer Programming         | 6-12              | Apple IIc/IIgs           |
|                                                                                                                | Reading /Language Arts       | K-12              | Apple IIe/IIgs/IBM PCjr  |
|                                                                                                                | Science                      | K-12              | Apple IIe                |
|                                                                                                                | Mathematics                  | K-12              | Apple IIe                |
|                                                                                                                | Social Studies               | K-12              | Apple IIe                |
|                                                                                                                | Foreign Language             | K-12              | Apple IIe                |
|                                                                                                                | Tool (word processing, etc.) | 4-12              | Apple                    |
|                                                                                                                | Business Education           | 9-12              | IBM PC                   |
|                                                                                                                | Vocational Education         | 9-12              | IBM PC                   |

**School and District Office Computers: Future Plans**

- Our district is in transition again. A plan of study was begun in March, 1989.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 2,408            | 2,081              | 188                   | 135                                     | 916             |
| District Office | 51               | 0                  | 51                    | 0                                       | 57              |

| <u>District/Contact</u>                                                                                         | <u>School Computers</u>      |                   |                          |
|-----------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------------|
|                                                                                                                 | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>       |
| Greenwood 50<br>Gary West<br>CMS Coordinator<br>P.O. Box 248<br>Greenwood, SC 29648<br>Phone: 22304348 Ext. 245 | Computer Literacy            | 1-12              | Apple IIe/IBM PC/PS2/NCR |
|                                                                                                                 | Computer Programming         | 10-12             | Apple IIe/IBM PC         |
|                                                                                                                 | Reading /Language Arts       | 1-12              | Apple IIe/IBM            |
|                                                                                                                 | Science                      | 1-12              | Apple IIe/IBM PS/2       |
|                                                                                                                 | Mathematics                  | 1-12              | Apple IIe/IBM PS/2       |
|                                                                                                                 | Social Studies               | 2-12              | Apple IIe/ IBM PS/2      |
|                                                                                                                 | Foreign Language             | 7-9               | Apple IIe                |
|                                                                                                                 | Tool (word processing, etc.) | 4-12              | Apple IIe/IBM PC/PS2     |
|                                                                                                                 | Business Education           | 10-12             | IBM PC/PS2               |
|                                                                                                                 | Vocational Education         | 10-12             | IBM PC/PS2               |

**Description of Computer Use**

- WICAT lab for reading and math (7-9)
- Prescription Learning in Chapter I, EIA remediation (1-6)
- EIA labs for reading and math (10-12)

**School and District Office Computers: Future Plans**

- Increase acquisition of MS-DOS, OS/2 machines for instruction (all levels).
- Implement SDE Classroom Management System in 6 pilot schools.
- Increase number of WICAT labs in grades 7-9.
- Implement Writing to Read program in kindergarten and grade 1.
- Train all teachers to use word processing software.
- Implement SDE Classroom Management System in 7 non-pilot schools (including laser printers, Novell networks, and other resources).
- Network district offices (Novell) and develop a district-wide student database from OSIRIS school databases.
- Adult education component (MS-DOS); applications and instruction.
- Take-home computers (MS-DOS) for Chapter I/EIA remediation; software for specific student needs.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 421              | 315                | 60                    | 46                                      | 139             |
| District Office | 49               | 16                 | 33                    | 0                                       | 43              |

**District/Contact**

**Greenwood 51**  
 Pat Roebuck  
 School Psy./Computer Coord.  
 42 Sparks Avenue  
 Ware Shoals, SC 29692

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 88               | 74                 | 9                     | 5                                       | 41              |
| <u>District Office</u> | <u>2</u>         | <u>0</u>           | <u>2</u>              | <u>0</u>                                | <u>2</u>        |

**District/Contact**

**Greenwood 52**  
 Marilyn P. Rieger  
 Instructional Coordinator  
 119 South Cambridge Street  
 Ninety Six, SC 29666  
 Phone: 543-3100

**Description of Computer Use**

Elementary students use computers in all classrooms and for publication of a student newsletter. At the middle school level, computers are used as enrichment and in Chapter I classes. Secondary students use computers in business, science, social studies, journalism classes, remediation programs, and for SAT preparation. Students in the gifted program in grades 2-10 use computers extensively.

**School and District Office Computers: Future Plans**

- Continue participation in Pathways project at all schools. Expand use of computers in special education classes.
- Implement a networked lab of Apple computers at Ninety Six Middle School with emphasis on basic skills instruction and computer literacy.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 60               | 54                 | 4                     | 2                                       | 28              |
| <u>District Office</u> | <u>5</u>         | <u>0</u>           | <u>5</u>              | <u>0</u>                                | <u>6</u>        |

**District/Contact****School Computers****Instructional Uses    Grade Span    Brand/Model**

Hampton 1  
 A. Randall Vaughn  
 Deputy Superintendent  
 P.O. Box 177  
 Hampton, SC 29924  
 Phone: 943-4576

|                              |      |           |
|------------------------------|------|-----------|
| Computer Literacy            | K-8  | Apple IIe |
| Computer Programming         | 9-12 | IBM/Apple |
| Reading /Language Arts       | K-12 | IBM/Apple |
| Science                      | K-12 | IBM/Apple |
| Mathematics                  | K-12 | IBM/Apple |
| Social Studies               | K-12 | IBM/Apple |
| Tool (word processing, etc.) | 9-12 | IBM       |
| Business Education           | 9-12 | IBM       |
| Vocational Education         | 9-12 | IBM       |

**Description of Computer Use**

All schools in the district are running OSIRIS. The Compensatory/Remedial Chapter I programs are utilizing CAI at all grade levels. Some elementary schools are using a "bonus" time with much success in the morning before the actual instructional day begins. This opens the door for all students to have computer time regardless of the EIA classification. Modems have been installed at all schools to provide on-line assistance to schools.

**School and District Office Computers: Future Plans**

- Expand the number of computers in the district.
- Implement a lab at the high school that can meet a wide range of needs.
- Access from middle schools via modem is also planned.
- Monitoring of class work is also planned.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 193              | 177                | 13                    | 3                                       | 54              |
| District Office | 6                | 0                  | 0                     | 6                                       | 5               |

**School Computers****District/Contact****Instructional Uses    Grade Span    Brand/Model**

Hampton 2  
 Jack Diamond  
 Budget Director  
 P.O. Box 1028  
 Estill, SC 29918  
 Phone: 625-2875

|                              |       |                      |
|------------------------------|-------|----------------------|
| Computer Literacy            | 5-12  | Apple IIe/IIc        |
| Computer Programming         | 11-12 | Apple IIe/IIc        |
| Reading /Language Arts       | K-12  | Apple IIe/IIc/IBM 25 |
| Science                      | 1-12  | Apple IIe/IIc        |
| Mathematics                  | 1-12  | Apple IIe/IIc        |
| Social Studies               | 1-12  | Apple IIe/IIc        |
| Foreign Language             | 9-12  | Apple IIe/IIc/IBM 25 |
| Tool (word processing, etc.) | K-12  | Apple IIe/IIc        |
| Business Education           | 10-12 | Apple IIe/IIc        |
| Vocational Education         | 10-12 | Apple IIe/IIc        |

**Description of Computer Use**

Two new programs are "Write to Read" using IBM 25's at kindergarten and first readiness and "Take Home Computers" in Chapter I program using apple IIc's.

**School and District Office Computers: Future Plans**

- Expanding "Take Home Computers" at the elementary level.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 161              | 131                | 11                    | 19                                      | 55              |
| District Office | 7                | 0                  | 7                     | 0                                       | 6               |

**School Computers**

| <u>District/Contact</u>                                                                                                              | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>    |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-----------------------|
| Horry<br>Richard Nadeau<br>Coordinator,<br>Computer Instruction<br>1605 Horry Street, Room #3<br>Conway, SC 29526<br>Phone: 248-2206 | Computer Literacy            | K-12              | Apple IIe/IIgs        |
|                                                                                                                                      | Computer Programming         | 8-12              | Apple IIe/IIgs        |
|                                                                                                                                      | Reading /Language Arts       | K-12              | Apple IIe/IIgs/IBM PC |
|                                                                                                                                      | Science                      | 1-12              | Apple IIe/IIgs        |
|                                                                                                                                      | Mathematics                  | 1-12              | Apple IIe/IIgs        |
|                                                                                                                                      | Social Studies               | 1-12              | Apple IIe/IIgs        |
|                                                                                                                                      | Foreign Language             | 9-12              | Apple IIe/IIgs        |
|                                                                                                                                      | Tool (word processing, etc.) | 1-12              | Apple IIe/IIgs/IBM    |
|                                                                                                                                      | Business Education           | 9-12              | Apple IIe/IIgs/IBM PC |
|                                                                                                                                      | Vocational Education         | 9-12              | Apple IIe/IIgs/IBM PC |

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 1,305            | 1,134              | 133                   | 38                                      | 350             |
| <u>District Office</u> | <u>64</u>        | <u>0</u>           | <u>0</u>              | <u>0</u>                                | <u>44</u>       |

**School Computers**

| <u>District/Contact</u>                                                                               | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                              |
|-------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------------------------------|
| Jasper<br>Joe Madden<br>Computer Specialist<br>P.O. Box 848<br>Ridgeland, SC 29936<br>Phone: 726-7200 | Computer Literacy            | 9-12              | TRS-80 III/Commodore 64/<br>IBM Compatible/PCjr |
|                                                                                                       | Computer Programming         | 9-12              | TRS-80 III/IBM Compatible                       |
|                                                                                                       | Mathematics                  | 9-12              | CCC/Winthrop(Atari/Apple IIe)                   |
|                                                                                                       | Tool (word processing, etc.) | 9-12              | TRS-80 III/IBM Compatibles                      |
|                                                                                                       | Business Education           | 9-12              | TRS-80 III/IBM Compatibles                      |
|                                                                                                       | Vocational Education         | 9-12              | TRS-80 III/IBM Compatibles                      |

**Description of Computer Use**

Elementary -- TRS-80; PCjr; Commodore 64

Secondary -- IBM Compatible; TRS-80 III; apple IIe; Atari

**School and District Office Computers: Future Plans**

- Writing to Read -- elementary
- Typing Lab -- secondary -- networked with business and vocational computers.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 112              | 85                 | 4                     | 23                                      | 27              |
| <u>District Office</u> | <u>9</u>         | <u>0</u>           | <u>9</u>              | <u>0</u>                                | <u>11</u>       |

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**School Computers**

| <u>District/Contact</u>                                                                                                                  | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| <b>Kershaw</b><br>W. Frank Montgomery, Jr.<br>Coordinator,<br>Ancillary Services<br>DuBose Court<br>Camden., SC 29020<br>Phone: 432-8416 | Computer Literacy            | 9-12              | TRS-80/Apple IIe   |
|                                                                                                                                          | Computer Programming         | 9-12              | TRS-80             |
|                                                                                                                                          | Reading /Language Arts       | K-12              | Apple IIe          |
|                                                                                                                                          | Science                      | K-12              | Apple IIe          |
|                                                                                                                                          | Mathematics                  | K-12              | TRS-80/Apple IIe   |
|                                                                                                                                          | Social Studies               | K-12              | Apple IIe          |
|                                                                                                                                          | Foreign Language             | 9-12              | Apple IIe          |
|                                                                                                                                          | Tool (word processing, etc.) | 9-12              | TRS-80/Apple IIe   |
|                                                                                                                                          | Business Education           | 9-12              | Apple IIe/IBM PC   |
|                                                                                                                                          | Vocational Education         | 9-12              | TRS-80/IBM PC      |

**Description of Computer Use**

Secondary students have an opportunity to study computer programming. Other instructional use occurs in an integrated manner through lab scheduling in regular content classrooms. Remedial math labs are available in all of the high schools. K-8 programs are provided in compensatory and remedial classes and in some schools are integrated into the regular content classrooms.

Kershaw County maintains a MECC membership and makes other software available through district materials center. All schools are implementing OSIRIS software for administration, attendance, and reporting to parents at middle and secondary level.

**School and District Office Computers: Future Plans**

- Training for staff member continues to be available at no cost. Budgetary effort to improve ratio of computers to students to reach state average. Plan to increase access for students not in any special category.
- OSIRIS training and networking continue to be priorities at all schools, pending funding.
- Kershaw County maintains a MECC membership and makes other software available through district materials center. All schools are implementing OSIRIS software for administration, attendance, and reporting to parents at middle and secondary level.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 489              | 421                | 44                    | 23                                      | 158             |
| <b>District Office</b> | 32               | 0                  | 32                    | 0                                       | 23              |



| <u>District/Contact</u>                                                                                                 | <u>School Computer</u>       |                   | <u>Brand/Model</u> |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
|                                                                                                                         | <u>Instructional Uses</u>    | <u>Grade Span</u> |                    |
| Lancaster<br>Bruce Harris<br>Director of Computer Services<br>P.O. Drawer 130<br>Lancaster, SC 29720<br>Phone: 286-7981 | Computer Literacy            | K-12              | Apple IIe          |
|                                                                                                                         | Computer Programming         | 9-12              | Apple IIe/IBM      |
|                                                                                                                         | Reading /Language Arts       | K-12              | Apple IIe          |
|                                                                                                                         | Science                      | K-12              | Apple IIe          |
|                                                                                                                         | Mathematics                  | K-12              | Apple IIe          |
|                                                                                                                         | Social Studies               | K-12              | Apple IIe          |
|                                                                                                                         | Foreign Language             | 10-12             | Apple IIe          |
|                                                                                                                         | Tool (word processing, etc.) | 9-12              | Apple IIe          |
|                                                                                                                         | Business Education           | 10-12             | Apple IIe          |
|                                                                                                                         | Vocational Education         | 10-12             | Apple IIe          |
|                                                                                                                         | Other (IEP's)                | Sp.Ed.            | Apple IIe          |
|                                                                                                                         | Other (Gifted & Taiented)    | 2-12              | Apple IIe          |

#### **Description of Computer Use**

Elementary, junior high, and high school students receive instruction in computer literacy to varying degrees. Both elementary and secondary use computers for resource/remedial work in the classroom and library.

#### **School and District Office Computers: Future Plans**

- Purchase additional hardware and software. Work toward at least one complete computer lab at each elementary and secondary school. Install a bulletin board system for the school district.
- Coordinate the purchase of new equipment to ensure compatibility with existing equipment. Continue with existing staff development computer courses and expand the offerings for the 1989-90 school year.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 527              | 398                | 73                    | 55                                      | 214             |
| <b>District Office</b> | 20               | 1                  | 19                    | 0                                       | 18              |

**District/Contact**

Laurens 55  
 Russell Burns  
 Director of Technology  
 P.O. Box 388  
 Laurens, SC 29360  
 Phone: 984-3568

**School Computers**

| <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                                |
|------------------------------|-------------------|---------------------------------------------------|
| Computer Literacy            | K-12              | IBM PS/2-25/Tandy 1000/<br>Commodore 64           |
| Computer Programming         | 11-12             | IBM PS/2-25                                       |
| Reading /Language Arts       | K-12              | IBM PS/2-25/Tandy 1000/<br>Commodore 64/Apple IIe |
| Science                      | 3-12              | IBM PS/2-25//Tandy 1000/<br>Commodore 64          |
| Mathematics                  | 3-12              | IBM PS/2-25/Tandy 1000/<br>Commodore 64/Apple IIe |
| Social Studies               | 3-12              | IBM PS/2-25/Tandy 1000/<br>Commodore 64           |
| Tool (word processing, etc.) | 5-12              | IBM PS/2-25//Tandy 1000/<br>Commodore 64          |
| Business Education           | 9-12              | Lanier/Tandy III                                  |

**Description of Computer Use**

Computer literacy is a component of all instruction that uses computers. Lower elementary levels are concentrating on "Writing to Read" instruction via computers while secondary levels use "PALS" and "Prescription Learning" for remediation in reading/language arts/mathematics. Text processing is introduced at the upper elementary level, particularly in gifted and talented, and becomes established in the secondary curriculum, primarily in business education. Math, science and social studies programs are available in labs in upper elementary and secondary.

**School and District Office Computers: Future Plans**

- We plan to install five additional instructional computer labs in 1989-90, spanning upper elementary and junior high grades to add reinforcement to basic skills.
- As a CMS pilot district, we will be heavily involved in 1989-90 and thereafter with teacher training in support of this instructional/administration program relating to paperwork reduction and effective use of instructional data.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 298              | 227                | 41                    | 30                                      | 73              |
| <b>District Office</b> | 32               | 14                 | 15                    | 4                                       | 17              |

**School Computers**

| <u>District/Contact</u>                                                                                                   | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                        |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------------------------|
| <b>Laurens 56</b><br>Lenzy Randall<br>Assistant Superintendent<br>P.O. Drawer 484<br>Clinton, SC 29325<br>Phone: 833-0800 | Computer Literacy            | 2-12              | Commodore 64/Apple II/<br>IBM PC/Columbia |
|                                                                                                                           | Computer Programming         | 9-12              | IBM PC/Columbia                           |
|                                                                                                                           | Reading /Language Arts       | 1-12              | Atari (CCC)/Apple II/Commodore 64         |
|                                                                                                                           | Mathematics                  | 1-12              | Atari (CCC)/Apple II/Commodore 64         |
|                                                                                                                           | Tool (word processing, etc.) | 9-12              | IBM PC/Columbia                           |
|                                                                                                                           | Business Education           | 9-12              | IBM PC/Columbia                           |
|                                                                                                                           | Vocational Education         | 9-12              | Atari (CCC)/Apple II                      |
| Other (Gifted (Logic))                                                                                                    | 9-12                         | Atari (CCC)       |                                           |

**Description of Computer Use**

All schools, K-12, use Computer Curriculum Corporation (CCC) labs w/Atari terminals to serve compensatory and remedial students in reading and mathematics. The CCC labs are also used to serve disadvantaged vocational education students in survival skills and the gifted math students in logic, both in grades 9-12. Elementary and middle schools continue to use very limited numbers of Commodore 64's and Apples in computer literacy, reading, language arts, and mathematics. The IBM PC and Columbia labs at the high school continue to be used for computers programming/information processing in the Business Education Department.

**School and District Office Computers: Future Plans**

- Expansion of CCC/Atari labs (additional units) -- all levels.
- Installation/expansion of Pathways/OSIRIS networks -- middle schools.
- Installation of networks -- district office.
- Installation of "point-of-sale" school lunch programs -- middle schools, one elementary school.
- Installation of modems for data transmission to SDE -- all levels.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 207              | 139                | 22                    | 46                                      | 61              |
| <b>District Office</b> | 7                | 0                  | 7                     | 0                                       | 6               |

**School Computers**

| <u>District/Contact</u>                                                                                    | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
| <b>Lee</b><br>Kathy Jackson<br>EIA Coordinator<br>P.O. Box 507<br>Bishopville, SC 29010<br>Phone: 484-5391 | Computer Literacy         | K-12              | Apple/TRS-80       |
|                                                                                                            | Reading /Language Arts    | K-12              | Apple/TRS-80       |
|                                                                                                            | Mathematics               | K-12              | Apple/TRS-80       |
|                                                                                                            | Business Education        | 10-12             | Apple              |
|                                                                                                            | Other (Gifted & Talented) | 8-12              | Apple IIgs         |

**Description of Computer Use**

Computers are used in the elementary, middle, and secondary grade levels to assist students in language arts and mathematics. Prescription Learning Labs are used in elementary, middle, and high schools for students in compensatory and Chapter 1 programs. Governor's Labs are also used in the high schools for remediation. MECC software is available to all schools for the purpose of integrating computers in the curriculum.

**School and District Office Computers: Future Plans**

- Expansion of computer-assisted instruction in grades K-12 with additional Apple microcomputers or computer labs.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 254              | 230                | 14                    | 10                                      | 72              |
| <b>District Office</b> | 10               | 0                  | 10                    | 0                                       | 10              |

| <u>District/Contact</u>                                                                                                  | <u>School Computers</u>   |                   |                    |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
|                                                                                                                          | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
| Lexington 1<br>Tom Cranmer<br>Coordinator, Data Processing<br>P.O. Drawer 1869<br>Lexington, SC 29072<br>Phone: 359-4178 | Computer Literacy         | 4-10              | Apple IIe/IIc      |
|                                                                                                                          | Computer Programming      | 8-12              | Apple IIe/IIc      |
|                                                                                                                          | Reading /Language Arts    | 1-12              | Apple IIe          |
|                                                                                                                          | Mathematics               | 1-12              | Apple IIe          |
|                                                                                                                          | Business Education        | 1-12              | IBM                |

### **Description of Computer Use**

All elementary schools have Prescription Learning Labs for reading and math. In addition, schools have labs to reinforce the basic skills. Computer literacy begins at the middle school level. Secondary students are involved in computer literacy, programming, vocational, and instruction labs. High schools have Governor's Remediation Initiative Labs and WICATS Labs.

### **School and District Office Computers: Future Plans**

- Update WICAT Labs, update Governor's Remediation Labs.
- Computer literacy will continue to be taught at the middle school level.
- Keyboarding will be implemented at the sixth grade level.
- Computer labs will continue to be offered.
- District-wide computer instructional plan implemented.
- Staff development training for teachers will be continued through USC courses and teacher-taught computer workshops.
- Additional computers will be purchased to reinforce basic skills in grades 1-12 in reading and math.
- Additional computers will be purchased to increase computer-pupil ratio and expand computer literacy at the elementary level.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 429              | 372                | 45                    | 12                                      | 155             |
| <b>District Office</b> | 12               | 0                  | 12                    | 0                                       | 12              |

**School Computers**

| <u>District/Contact</u>                                                                                                                      | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                           |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|----------------------------------------------|
| <b>Lexington 2</b><br>Jimmy L. Quinn, Ph.D.<br>Director, Computer Services<br>715 Ninth Street<br>West Columbia, SC 29169<br>Phone: 796-4708 | Computer Literacy            | 7                 | WICAT                                        |
|                                                                                                                                              | Computer Programming         | 9-12              | Apple II/IBM Compatible                      |
|                                                                                                                                              | Reading /Language Arts       | 1-12              | WICAT/Apple II/ IBM PCjr/<br>IBM Compatibles |
|                                                                                                                                              | Science                      | 1-12              | Apple II/IBM Compatible                      |
|                                                                                                                                              | Mathematics                  | 1-12              | WICAT/Apple II/IBM Compatible                |
|                                                                                                                                              | Social Studies               | 1-12              | Apple II                                     |
|                                                                                                                                              | Tool (word processing, etc.) | 9-12              | Apple II/IBM Compatible                      |
|                                                                                                                                              | Business Education           | 9-12              | Apple II/IBM Compatible                      |
|                                                                                                                                              | Vocational Education         | 9-12              | Apple II/IBM Compatible                      |

**Description of Computer Use**

WICAT labs in middle schools provide the primary CAI effort in the district. Business courses in high school are being revised to allow students to work with a variety of hardware and software. CAI in elementary schools tend to concentrate on isolated instructional objectives, where the computer is another audio-visual aid.

**School and District Office Computers: Future Plans**

- New SDE policies are driving the district effort to provide all keyboarding instruction on computers in secondary schools. Airport High School plans to offer keyboarding to all its freshmen next year.
- The district plans the creation of several extensive computer networks in the high schools. These will be dedicated to the support of instruction.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 474              | 397                | 52                    | 25                                      | 242             |
| District Office | 55               | 24                 | 31                    | 0                                       | 30              |

**School Computers**

| <u>District/Contact</u>                                                                                                                    | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>     |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|------------------------|
| <b>Lexington 3</b><br>Dr. William E. Black<br>Assistant Superintendent<br>707 E. Columbia Avenue<br>Batesburg, SC 29006<br>Phone: 532-9289 | Computer Literacy         | 9-12              | CCC/Atari/Apple II/Iie |
|                                                                                                                                            | Reading /Language Arts    | 2-8               | CCC/Atari/Apple II/Iie |
|                                                                                                                                            | Mathematics               | 2-8               | CCC/Atari/Apple II/Iie |

**Description of Computer Use**

CCC/Atari computers are used in Basic Skills Labs in grades 2-8.

**School and District Office Computers: Future Plans**

- CCC/Atari computers for Basic Skills Labs in grades 9-12.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 125              | 118                | 5                     | 2                                       | 41              |
| District Office | 2                | 0                  | 1                     | 1                                       | 2               |

**District/Contact**

**School Computers**

**Instructional Uses    Grade Span    Brand/Model**

**Lexington 4**  
Charles Studstill  
Assistant Superintendent,  
Technology  
P.O. Box 569  
Swansea, SC 29160  
Phone: 568-4158

|                              |       |                             |
|------------------------------|-------|-----------------------------|
| Computer Literacy            | 1-8   | IBM PS-2/Apple IIe/IBM PCjr |
| Computer Programming         | 5     | Apple IIe                   |
| Science                      | 12    | IBM PS-2                    |
| Mathematics                  | 12    | IBM PS-2                    |
| Social Studies               | 7     | IBM PS-2                    |
| Tool (word processing, etc.) | 10-12 | IBM PS-2                    |
| Business Education           | 11-12 | IBM PS-2                    |

**Description of Computer Use**

Fifteen-station IBM network in place at Swansea High School used for various learning activities.

**School and District Office Computers: Future Plans**

- Future plans are to put a computer on every teacher's desk. Goal is to have teachers serve as computer role models.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 86               | 55                 | 23                    | 9                                       | 12              |
| <b>District Office</b> | 14               | 0                  | 14                    | 0                                       | 6               |

**School Computers**

| <u>District/Contact</u>                                                                                                                  | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lexington 5</b><br>Aleda R. Anderson<br>Coordinator,<br>Computer Education<br>P.O. Box 938<br>Ballentine, SC 29002<br>Phone: 781-0457 | Computer Literacy            | 1-12              | *Apple IIe & IBM PC are Mrs. Aleda used throughout the instructional program.                                                                                        |
|                                                                                                                                          | Computer Programming         | 3-12              |                                                                                                                                                                      |
|                                                                                                                                          | Reading / Language Arts      | K-12              |                                                                                                                                                                      |
|                                                                                                                                          | Science                      | K-12              | *Note: District has its own in-house maintenance and repair program and is trained as a servicing agent implement through the Computer Technology Course (Voc. Ed.). |
|                                                                                                                                          | Mathematics                  | K-12              |                                                                                                                                                                      |
|                                                                                                                                          | Social Studies               | K-12              |                                                                                                                                                                      |
|                                                                                                                                          | Foreign Language             | 8-12              |                                                                                                                                                                      |
|                                                                                                                                          | Tool (word processing, etc.) | 2-12              |                                                                                                                                                                      |
|                                                                                                                                          | Business Education           | 10-12             |                                                                                                                                                                      |
|                                                                                                                                          | Vocational Education         | 10-12             |                                                                                                                                                                      |
| Other (Remedial)                                                                                                                         | K-12                         |                   |                                                                                                                                                                      |

**Description of Computer Use**

**Elementary:** Computer experiences for students are integrated into the existing instructional programs rather than through pull-out computer programs. (i.e., All first and second grade students receive computer keyboarding training as part of their language arts program.) Word processing begins in second grade and is introduced through LogoWriter software; in sixth grade students use Appleworks integrated software. Robotics is implemented in grades 3-5 through the science curriculum using LegoLogo. All fifth grade students create computer graphics as part of their fifth grade

**Middle-Jr.:** Labs and individual classroom systems offer opportunities for word processing, CAI and computing programming. Desktop publishing is part of language instruction.

**Secondary:** Students have access to the Math/Science Lab, Journalism Computers and select courses from Introduction to Computers, computer Science I (BASIC), Data Processing, computer Typing/Keyboarding, Computerized Accounting and computer Technology (Maintenance and Repair). CAI is used in all areas of curriculum and for preparation in academic competition.

**School and District Office Computers: Future Plans**

- Elementary-Kindergarten: A computer strand will be developed and added to the kindergarten curriculum.
- Secondary-Writing Lab.: Secondary education will include a writing lab with word processing software for creative writing.
- All-Media Automation: Catalog stations will be networked to a file server so students may access an on-line catalog search.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 588              | 476                | 66                    | 46                                      | 178             |
| <b>District Office</b> | 31               | 2                  | 29                    | 0                                       | 27              |

| <u>District/Contact</u>                     | <u>School Computers</u>   |                   |                    |
|---------------------------------------------|---------------------------|-------------------|--------------------|
|                                             | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
| McCormick                                   | Computer Literacy         | 5-12              | Apple IIe          |
| Marsha DuPre                                | Computer Programming      | 9-12              | Apple IIe          |
| Guidance Counselor/<br>Pathways Coordinator | Reading /Language Arts    | K-12              | Apple IIe          |
| P.O. Box 458                                | Science                   | 1-8               | Apple IIe          |
| 801 Carolina Street                         | Mathematics               | 1-12              | Apple IIe          |
| McCormick, SC 29835                         | Social Studies            | 1-12              | Apple IIe          |
| Phone: 465-2243                             | Foreign Language          | 9-12              | IBM PC             |
|                                             | Business Education        | 9-12              | IBM PC             |
|                                             | Vocational Education      | 9-12              | Apple IIe          |
|                                             | Special Education         |                   | Apple IIe          |

**Description of Computer Use**

Apple IIe's are used in all schools for instructional use. IBM PCs are used in the business education department at the high school level (9-12). NCRs are used in elementary, middle, and high school for administrative use.

**School and District Office Computers: Future Plans**

- District is in the process of purchasing modems for the district office and all schools. Expect modems to be operational by July 1, 1989. Will be for administrative use.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 183              | 169                | 8                     | 6                                       | 37              |
| District Office | 3                | 0                  | 3                     | 0                                       | 3               |

| <u>District/Contact</u> | <u>School Computers</u>   |                   |                                    |
|-------------------------|---------------------------|-------------------|------------------------------------|
|                         | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>                 |
| Marion 1                | Computer Literacy         | K-12              | Apple IIe/IIgs/TRS-80 III & IV     |
| Albert A. Blake         | Computer Programming      | 9-12              | Apple IIe/TRS-80 III & IV          |
| Director of Operations  | Reading /Language Arts    | K-12              | Apple IIe/IIgs/CCC                 |
| 616 Northside Avenue    | Science                   | K-12              | Apple IIe                          |
| Marion, SC 29571        | Mathematics               | K-12              | Apple IIe/IIgs/CCC/TRS-80 III & IV |
| Phone: 423-1811         | Social Studies            | K-12              | Apple IIe                          |
|                         | Foreign Language          | 9-12              | Apple IIe                          |

**Description of Computer Use**

All elementary students are given access to computers on limited basis; Chapter I remedial and compensatory math studies are receiving CAI using CCC (grades 3-12). Chapter I students in reading also use CAI with CCC. Students in grades 9-12 may also elect to take Introductory Computer Course and an Introduction to Pascal.

**School and District Office Computers: Future Plans**

- To continue to more fully utilize the available technology.
- Expand the use of MECC materials and CAI through updated technology using CCC.
- Additional computers and printers will be purchased.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 141              | 132                | 8                     | 1                                       | 47              |
| District Office | 9                | 0                  | 9                     | 0                                       |                 |



**School Computers**

| <u>District/Contact</u>                                                                                                                                 | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|----------------------------------------------------|
| <b>Marion 2</b><br>James H. Hall, Jr.<br>Elementary Curriculum/<br>Federal Programs Coordinator<br>P.O. Box 689<br>Mullins, SC 29574<br>Phone: 526-2181 | Computer Literacy         | 9-11              | Radio Shack Models III/IV/<br>Tandy 1000/Apple IIe |
|                                                                                                                                                         | Reading /Language Arts    | 1,4-11            | IBM Model 25/Apple IIe                             |
|                                                                                                                                                         | Mathematics               | 3-11              | Apple IIe                                          |

**Description of Computer Use**

The elementary students have access to Apple IIe in classrooms and libraries. Reinforcement and practice is provided for reading and math. Provide secondary with more reading and math practice, as well as SAT and PSAT practice. The IBM program Writing to Read has been installed in the 1st grade at North Mullins Primary for use with EIA Readiness students.

**School and District Office Computers: Future Plans**

- Administrative OSIRIS training spreading throughout the district. An IBM Write-to-Read lab is planned for use with first-grade students who do not test ready on CSAB.
- The use of word processing helps develop recognition and practice using reading skills. The Write to Read program takes advantage of this to develop beginning reading and writing skills.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 240              | 226                | 11                    | 3                                       | 51              |
| <u>District Office</u> | <u>15</u>        | <u>0</u>           | <u>7</u>              | <u>8</u>                                | <u>10</u>       |

**School Computers**

| <u>District/Contact</u>                                                                                                      | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
| <b>Marion 3</b><br>Rachel J. Mason<br>Coordinator, Special Services<br>P.O. Drawer 439<br>Rains, SC 29589<br>Phone: 423-2891 | Computer Literacy         | 9-12              | TRS-80             |
|                                                                                                                              | Reading /Language Arts    | 1-12              | Apple IIe          |
|                                                                                                                              | Science                   | 1-8               | Apple IIe          |
|                                                                                                                              | Mathematics               | 1-12              | Apple IIe          |
|                                                                                                                              | Social Studies            | 1-8               | Apple IIe          |
|                                                                                                                              | Business Education        | 9-12              | TRS-80             |
|                                                                                                                              | Vocational Education      | 9-12              | Apple IIe          |

**Description of Computer Use**

Computers are available for use by students in individual classes, library computer centers, and in special classes designed to remediate the math and reading of students who score below standard in areas of mathematics and reading in grades 1-12. Computers are available in the main office of all schools for office management and business functions.

**School and District Office Computers: Future Plans**

- Local area networks will be installed in schools in the not-too-distant future to provide all teachers access to the main frame which contains student data, teacher data, grades, attendance, etc. Modems have been purchased for elementary, middle and high school.
- We expect to utilize computer to inform parents of student absences, PTA meetings, etc. We expect to use the PC Anywhere Software to accomplish this task.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 52               | 47                 | 4                     | 1                                       | 18              |
| <u>District Office</u> | <u>3</u>         | <u>0</u>           | <u>3</u>              | <u>0</u>                                | <u>3</u>        |

| <u>District/Contact</u>                                                                                               | <u>School Computers</u>   |                   |                            |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|----------------------------|
|                                                                                                                       | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>         |
| Marion 4<br>Jean W. Pearson<br>Director, Special Services<br>Route 1, Box 499<br>Gresham, SC 29546<br>Phone: 362-0331 | Reading /Language Arts    | 1-12              | Commodore 64/Apple IIe     |
|                                                                                                                       | Mathematics               | 1-12              | Commodore 64/Apple IIe     |
|                                                                                                                       | Business Education        | 9-12              | IBM Personal Typing System |
|                                                                                                                       | Vocational Education      | 11-12             | Apple IIe                  |
|                                                                                                                       | Other (specify)           | 8-12              | Apple IIe                  |

**Description of Computer Use**

Britton's Neck High School currently participates in the Governor's Remedial Reading and Math lab program. Britton's Neck Elementary School has a Chapter I Reading Lab that serves grades 1-7

**School and District Office Computers: Future Plans**

- Marion School District 4 plans to purchase a computer management system at the elementary level.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 35               | 24                 | 2                     | 9                                       | 13              |
| District Office | 6                | 0                  | 6                     | 0                                       | 1               |

| <u>District/Contact</u>                                                                                                                  | <u>School Computers</u>   |                   |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|---------------------------------|
|                                                                                                                                          | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>              |
| Marlboro<br>Herbert H. Gould<br>Director, Elementary and<br>Middle Schools<br>P.O. Box 947<br>Bennettsville, SC 29512<br>Phone: 479-4016 | Computer Literacy         | 1-12              | TRS-80 Models II & IV           |
|                                                                                                                                          | Reading /Language Arts    | 1-12              | TRS-80 Model 4/Apple IIe        |
|                                                                                                                                          | Mathematics               |                   | TRS-80 Models II & IV/Apple IIe |
|                                                                                                                                          | Business Education        |                   | TRS-80 Model IV                 |
|                                                                                                                                          | Vocational Education      |                   | IBM PC/IBM Model 30             |

**Description of Computer Use**

Computer awareness programs have been designed for students in grades 1-12. Instructional programs in reading and math are provided for students enrolled in remedial/compensatory programs (grades 1-12) and Chapter I students (grades 4-8). Counselors are using computers for career information and SAT practice activities. Computers are used for data processing, business management and drafting (grades (11-12).

**School and District Office Computers: Future Plans**

- The school district staff development plan are designed toward the appropriate software at all levels.
- The district office maintains personnel records, and plans are to include instructional inventories and internal accounts. We are also participating in a program to reduce paper work.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 376              | 346                | 28                    | 2                                       | 99              |
| District Office | 10               | 0                  | 10                    | 0                                       | 6               |

**School Computers**

| <u>District/Contact</u>                                                                                                       | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Newberry<br>Robert L. Tiollis<br>Director, Planning &<br>Development<br>P.O. Box 718<br>Newberry, SC 29108<br>Phone: 276-3686 | Computer Literacy            | 4-5               | Apple IIe          |
|                                                                                                                               | Computer Programming         | 11-12             | TRS-80             |
|                                                                                                                               | Reading /Language Arts       | 4-8               | Apple IIe          |
|                                                                                                                               | Science                      | 9-12              | Apple IIe & IIgs   |
|                                                                                                                               | Mathematics                  | 4-12              | Apple IIe & IIgs   |
|                                                                                                                               | Tool (word processing, etc.) | 10-12             | TRS-80/IBM/Apple   |
|                                                                                                                               | Business Education           | 10-12             | TRS-80/IBM/Apple   |

**Description of Computer Use**

Math/Reading: 4-8—Apple IIe—all state comp/rem students  
 Math/Science: 4-12 —Apple IIe—all 9-12 grade math/science students and Gallman Elm. students  
 Math: 4-12—Apple IIe—state remedial students.  
 Programming: 11-12—TRS-80—11th-12th grade C.P. students  
 Toci: 10-12—TRS-80—10th-12th grade vocational students

**School and District Office Computers: Future Plans**

- Continue to add/update computer hardware in all schools as funds are available.
- Network D.O. stations and appropriate schools.
- Emphasis in primary grades will be in computer literacy.
- Other grades will use CAI in math, science and other subjects as appropriate.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 234              | 189                | 34                    | 7                                       | 72              |
| <u>District Office</u> | <u>16</u>        | <u>0</u>           | <u>16</u>             | <u>0</u>                                | <u>16</u>       |

**District/Contact****School Computers****Instructional Uses    Grade Span    Brand/Model**

|                                                                                                         |                              |      |                     |
|---------------------------------------------------------------------------------------------------------|------------------------------|------|---------------------|
| <b>Oconee</b><br>Joe Rukat<br>Math Coordinator<br>P.O. Box 220<br>Walhalla, SC 29691<br>Phone: 638-4059 | Computer Literacy            | K-12 | Commodore/Apple/IBM |
|                                                                                                         | Computer Programming         | 9-12 | Commodore/Apple/IBM |
|                                                                                                         | Reading /Language Arts       | K-12 | Commodore/Apple     |
|                                                                                                         | Science                      | K-12 | Commodore/Apple     |
|                                                                                                         | Mathematics                  | K-12 | Commodore/Apple     |
|                                                                                                         | Tool (word processing, etc.) | 9-12 | IBM                 |
|                                                                                                         | Business Education           | 8-12 | 149 IBM Computers   |
| Vocational Education                                                                                    | 9-12                         | IBM  |                     |

**Description of Computer Use**

**Elementary:** Over the past few years, Oconee School District has steadily increased their computer quantities to where 42 percent of our elementary schools have laboratories. Our primary concern in the elementary area is literacy. Our goal is to have every elementary student computer literate before they reach the middle school grades.

**Middle/Junior:** In the middle school area, we continue to emphasize literacy, but begin to address programming. All of our middle schools have IBM laboratories. Oconee County is participating in the State Vocational Education Consortium Program. Through this program, Oconee has been able to order a total of 130 IBM model 25 computers for student use and 5 IBM model 30 computers for teacher use this year which will be used in all five middle school laboratories. The goal is for every eight-grade student to have mastered keyboarding skills by the end of eighth grade. We will also use "PC VIEWERS" interfaced to the IBM model 30 units as our primary means of instruction, with Touch Typing Tutor as our support software.

**High School:** In the secondary schools, every school has a laboratory. We have increased each of their laboratories by 5 IBM model 25. In addition, 75 percent of the high schools are networked for administrative purposes.

**School and District Office Computers: Future Plans**

- **Elementary:** In the past, almost every school would purchase one or two computer systems with the use of Chapter 2 Block Grant Funds. Since this decision is made by the principal, and the demand for computerization has not diminished, we feel confident that computers will to be purchased at that normal rate.
- **Middle/Junior:** The South Carolina Education Consortium will continue for five more years and possibly provide additional equipment.
- **Secondary:** We will continue to expand our present computer laboratories by one or two computer systems.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 753              | 670                | 74                    | 11                                      | 180             |
| <u>District Office</u> | <u>31</u>        | <u>0</u>           | <u>31</u>             | <u>0</u>                                | <u>16</u>       |

School Computers

| <u>District/Contact</u>                                                                                    | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Orangeburg 1<br>Patsy B. Williams<br>Secretary<br>P.O. Box 337<br>Springfield, SC 29146<br>Phone: 258-3418 | Computer Literacy            |                   |                    |
|                                                                                                            | Computer Programming         | 11-12             | TRS-80/NCR/IBM     |
|                                                                                                            | Reading /Language Arts       | 1-12              | Apple IIc          |
|                                                                                                            | Science                      | 1-12              | Apple IIc          |
|                                                                                                            | Tool (word processing, etc.) | 11-12             | TRS-80/NCR/IBM     |
|                                                                                                            | Business Education           | 11-12             | TRS-80/NCR/IBM     |
|                                                                                                            | Vocational Education         | 9-12              | Apple IIc          |

**Description of Computer Use**

Apple computers are used for instruction in reading/language arts, math (computer lab for remedial students) and in the vocational classes. Although the TRS-80, IBM and NCR computers are housed in the Business Department and used primarily by students in that department to learn word processing skills, the computers are available to any student who has time in their schedules to work them. Data processing is taught to 11th and 12th graders.

**School and District Office Computers: Future Plans**

- There are plans for the 1989-90 school year to have for teachers an on-site computer class.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 108              | 105                | 3                     | 0                                       | 32              |
| District Office | 2                | 0                  | 2                     | 0                                       | 2               |

School Computers

| <u>District/Contact</u>                                                                                         | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>                        |
|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|-------------------------------------------|
| Orangeburg 2<br>Bryant Reeves<br>Assistant Superintendent<br>P.O. Box 36<br>Bowman, SC 29018<br>Phone: 829-2981 | Computer Literacy         | K-12              | Apple IIc/Commodore 64/<br>Commodore 8032 |
|                                                                                                                 | Reading /Language Arts    | 1-12              | Apple IIc/IIc                             |
|                                                                                                                 | Mathematics               | 1-12              | Apple IIc/IIc                             |
|                                                                                                                 | Business Education        | 9-12              | IBM PS2 Model 30                          |
|                                                                                                                 | Vocational Education      |                   | Apple IIc/IIc                             |

**Description of Computer Use**

The new IBM PS2 Model 30 computers are used to teach typewriting in grades 9-12 and to teach adult vocational education courses. Apple computers are used for remediation in the Chapter 1 reading and mathematics activities in a computer lab for remedial students in grades 7-12 and in vocational courses for remedial students. The Commodore computers are used to teach computer literacy.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 59               | 57                 | 2                     | 0                                       | 19              |
| District Office | 7                | 5                  | 2                     | 0                                       | 7               |

| <u>District/Contact</u>                                                                                            | <u>School Computers</u>   |                   |                                                                             |
|--------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|-----------------------------------------------------------------------------|
|                                                                                                                    | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>                                                          |
| Orangeburg 3<br>Mulesh M. Swami<br>Director, Mathematics<br>P.O. Box 98<br>Holly Hill, SC 29059<br>Phone: 496-3288 | Computer Programming      | 10-12             | TRS-80 Model III                                                            |
|                                                                                                                    | Reading /Language Arts    | K-12              | Apple IIe/TRS-80 Color/<br>IBM PC/IBM PCjr/<br>IBM PS2(25)/Lanier/Commodore |
|                                                                                                                    | Science                   | 1-8               | Apple IIe/IBM PC                                                            |
|                                                                                                                    | Mathematics               | 1-12              | Apple IIe/TRS-80 Color/IBM PC/<br>Rainbow                                   |
|                                                                                                                    | Business Education        | 10-12             | Lanier/IBM PC                                                               |

#### **Description of Computer Use**

Computers are used in all kindergarten classes. Chapter I students have been using computers for reading and mathematics classes in Grades 2-6. Students in middle and secondary schools have limited access to computers; however, business students have an opportunity to work with computers in grades 10-12.

#### **School and District Office Computers: Future Plans**

- The district plans to purchase several computers for instruction in grades 8-12 this year. Each year, new computers will be acquired as funds become available. A well-organized plan is underway to train teachers for use at computers in classroom. Many teachers in the district have taken the course, "An Introduction to Computers for Educators."
- Writing-to-Read program will be used in all kindergarten classes during 1989-90. Chapter I students will continue to use the ICLS (Integrated Curriculum Learning System) from Ideal Learning in middle school reading and mathematics classes. A special effort is made to ensure that each teacher receives needed training for use of computers in his/her classes.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 199              | 189                | 8                     | 2                                       | 47              |
| District Office | 5                | 1                  | 3                     | 1                                       | 5               |

| <u>District/Contact</u>                                                                               | <u>School Computers</u>   |                   |                    |
|-------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
|                                                                                                       | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
| Orangeburg 4<br>John Herring<br>Superintendent<br>P.O. Box 69<br>Cordova, SC 29039<br>Phone: 534-8081 | Computer Literacy         | K-12              | Apple IIe          |
|                                                                                                       | Mathematics               | 2-12              | Apple IIe          |
|                                                                                                       | Business Education        | 10-12             | Lanier             |

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 69               | 31                 | 3                     | 35                                      | 26              |
| District Office | 2                | 0                  | 2                     | 0                                       | 2               |

**School Computers**

| <u>District/Contact</u>                                                                                                               | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                     |
|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|----------------------------------------|
| <b>Orangeburg 5</b><br>Louise H. Amos<br>Coordinator, CAI/CMI/Pathways<br>578 Ellis Avenue<br>Orangeburg, SC 29115<br>Phone: 534-5454 | Computer Literacy            | K-12              | IBM—JR, AT, XT and PC                  |
|                                                                                                                                       | Computer Programming         | 9-12              | IBM PS/2 - Model 25, 30, 50, 60 and 80 |
|                                                                                                                                       | Reading /Language Arts       | K-12              |                                        |
|                                                                                                                                       | Science                      | 2-12              |                                        |
|                                                                                                                                       | Mathematics                  | K-12              |                                        |
|                                                                                                                                       | Social Studies               | 1-4               |                                        |
|                                                                                                                                       | Tool (word processing, etc.) | K-12              |                                        |
|                                                                                                                                       | Business Education           | 9-12              | COVEC                                  |
|                                                                                                                                       | Vocational Education         | 9-12              | COVEC                                  |

**Description of Computer Use**

Courseware/software programs are provided in each content area at each grade level to supplement/enhance the regular curriculum for the same—Writing to Read, Teaching and Learning with Computers and PALS.

Second and fifth grade—Teaching and Learning with Computers—Language Arts/Math at second grade using Models 25's and various software packages: Language Arts in fifth grade.

**School and District Office Computers: Future Plans**

- Third-fourth grades: Relocate PCjr computers from Computer Literacy labs in middle schools to place three in each classroom for beginning "TLC" programs in these grades -- Language Arts.
- Complete renovation for Bennett and Belleville Middle Schools: School-wide network with 5-8 work stations per academic classroom; 1-2 in other areas such as music, health, PE, etc.
- Increased teacher inservice: Managing networked computers in individual classroom; integrating courseware fully.
- Relocate Apples in Computer AP-Programming Classes; purchase or move IBM-type machines into this lab.
- Continue project development in Library/Media Centers for computerized system.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 800              | 717                | 28                    | 55                                      | 176             |
| <b>District Office</b> | 36               | 2                  | 22                    | 12                                      | 37              |

**District/Contact****School Computers****Instructional Uses    Grade Span    Brand/Model**

Orangeburg 6  
 Pam Williams  
 Coordinator, Pathways/  
 Payroll Clerk  
 P.O. Box 640  
 North, SC 29112  
 Phone: 247-2162

|                              |                     |                 |
|------------------------------|---------------------|-----------------|
| Computer Literacy            | 10-12               | Apple IIe       |
| Reading /Language Arts       | Elem./9-12/<br>Rem. | Apple IIe/Tandy |
| Science                      | Elem.               | Apple IIe/Tandy |
| Mathematics                  | Elem./9-12/Rem.     | Apple IIe/Tandy |
| Social Studies               | Elem                | Apple IIe/Tandy |
| Tool (word processing, etc.) | 10-12               | Apple IIe       |
| Vocational Education         | 9-12                | Apple IIe       |
| Other (SCOIS)                | 9-12                | Apple IIe       |

**School and District Office Computers: Future Plans**

- We would eventually like computers in every classroom and hope that all students will have hands-on experience.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 25               | 19                 | 4                     | 2                                       | 12              |
| District Office | 1                | 0                  | 1                     | 0                                       | 1               |

**District/Contact****School Computers****Instructional Uses    Grade Span    Brand/Model**

Orangeburg 7  
 Myrtle R. Hardwick  
 Coordinator, Pathways  
 P.O. Drawer L  
 Elloree, SC 29047  
 Phone: 897-2211

|                              |      |                   |
|------------------------------|------|-------------------|
| Computer Literacy            | K-12 | Apple II/IBM PCjr |
| Computer Programming         | 9-12 | Apple II/IBM PCjr |
| Reading /Language Arts       | K-12 | Apple II/IBM PCjr |
| Science                      | K-12 | Apple II/IBM PCjr |
| Mathematics                  | K-12 | Apple II/IBM PCjr |
| Tool (word processing, etc.) | 9-12 | Apple II/IBM PCjr |
| Business Education           | 9-12 | Apple II/IBM PCjr |
| Vocational Education         | 9-12 | Apple II/IBM PCjr |

**Description of Computer Use**

The above instructional uses are supplemental methods -- (CAI and Management)

**School and District Office Computers: Future Plans**

- All—Computer in every classroom.
- All students will have hands-on experience utilizing computers and software.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 50               | 44                 | 6                     | 0                                       | 12              |
| District Office | 5                | 0                  | 5                     | 0                                       | 5               |



**School Computers**

| <u>District/Contact</u>                                                                                                  | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>        |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|---------------------------|
| Orangeburg 8<br>Starr Bright<br>Computer Coordinator/Teacher<br>P.O. Box 248<br>Branchville, SC 29432<br>Phone: 274-8875 | Computer Literacy            | 8-12              | Lanier/Apple IIe/IIc/IIgs |
|                                                                                                                          | Computer Programming         | 12                | Lanier                    |
|                                                                                                                          | Reading /Language Arts       | 5-12              | Apple IIe/IIgs            |
|                                                                                                                          | Science                      | 8-12              | Apple IIe/IIgs            |
|                                                                                                                          | Mathematics                  | 1-12              | Apple IIe                 |
|                                                                                                                          | Foreign Language             | 10-12             | Apple IIe                 |
|                                                                                                                          | Tool (word processing, etc.) | 1-12              | Lanier/Apple              |
|                                                                                                                          | Business Education           | 10-12             | Lanier                    |

**School and District Office Computers: Future Plans**

- Purchase data display system for each school within the district.
- Network -- (OSIRIS) for administration in each school.
- Purchase additional computer for Pathways Coordinator.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 58               | 52                 | 6                     | 0                                       | 33              |
| <u>District Office</u> | <u>2</u>         | <u>0</u>           | <u>2</u>              | <u>0</u>                                | <u>2</u>        |

**School Computers**

| <u>District/Contact</u>                                                                                                              | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>             |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------------------|
| Pickens<br>Richard Gettys<br>Director, Management<br>Information Services<br>Route 8, Box 375<br>Easley, SC 29640<br>Phone: 859-1405 | Computer Literacy            | 7-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Computer Programming         | 8-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Reading /Language Arts       | K-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Science                      | K-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Mathematics                  | K-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Social Studies               | K-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Foreign Language             | 8-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Tool (word processing, etc.) | 7-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Business Education           | 9-12              | Commodore 64/Apple IIe/IBM/NCR |
|                                                                                                                                      | Vocational Education         | 7-12              | Commodore 64/Apple IIe/IBM/NCR |

**Description of Computer Use**

The primary use is as a supplement to instruction (enhancement of instruction) at as many levels as possible. Some programming (LOGO) is done at the elementary level; however, most programming is at the secondary level with emphasis on computer science through BASIC or PASCAL using mathematics.

**School and District Office Computers: Future Plans**

- A future goal is to have each school with a computer lab and sufficient mobile computers for classroom use. A long term goal includes a computer with large screen monitor in every classroom starting with grades 7-12. Workshops will be increased to provide for more extensive teacher use.
- Each student should learn how to use the computer as an appropriate tool. As more sophisticated programs are available, more CAI may be used.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 620              | 481                | 107                   | 33                                      | 303             |
| <u>District Office</u> | <u>23</u>        | <u>0</u>           | <u>23</u>             | <u>0</u>                                | <u>19</u>       |

| <u>District/Contact</u>                                                                                                                                   | <u>School Computers</u>      |                   |                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|----------------------------|
|                                                                                                                                                           | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>         |
| <b>Richland 1</b><br>Jim Hockman<br>Coordinator, Instructional<br>Computing & Technology<br>1616 Richland Street<br>Columbia, SC 29204<br>Phone: 733-5304 | Computer Literacy            | K-12              | Apple IIe/IIgs/IBM PCjr    |
|                                                                                                                                                           | Computer Programming         | 2-12              | Apple IIe/IIgs/IBM PCjr    |
|                                                                                                                                                           | Reading /Language Arts       | K-12              | Apple IIe/IIgs/IBM PCjr    |
|                                                                                                                                                           | Science                      | 4-12              | Apple IIe/IIgs/IBM PCjr    |
|                                                                                                                                                           | Mathematics                  | K-12              | Apple IIe/IIgs/IBM PCjr    |
|                                                                                                                                                           | Social Studies               | 4-12              | Apple IIe/IIgs             |
|                                                                                                                                                           | Foreign Language             | 9-12              | Apple IIe/IIgs             |
|                                                                                                                                                           | Tool (word processing, etc.) | K-12              | IBM PC/PCjr/05/2, Model 25 |
|                                                                                                                                                           | Business Education           | 9-12              | Apple IIe/IIgs             |
|                                                                                                                                                           | Vocational Education         | 9-12              | IBM PC                     |

**Description of Computer Use**

Computers are available to students in 75 labs, and in classroom and media centers throughout the district. The thrust for computer use is to integrate the technology into the regular instructional program. Courses are offered to middle and high school students. Students in business education, Chapter I, EIA, special education and gifted programs use computers on a regular basis. Eighteen networked Apple and IBM labs have been recently added to the district program.

**School and District Office Computers: Future Plans**

- Based on past trends it is anticipated that approximately 100 computers will be added to the instructional program. Training is provided through several offices in the district, including the #1 Teacher Center. Courses for graduate and certificate renewal credit are offered on a regular basis. Software is available for teachers to review and use on a checkout basis in their classrooms. Six new comprehensive, integrated labs providing instruction in reading and math will be added in 1989.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 2,018            | 1,805              | 107                   | 106                                     | 771             |
| District Office | 140              | 35                 | 79                    | 26                                      | 79              |

| <u>District/Contact</u>                                                                                                                 | <u>School Computers</u>   |                   |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------------|
|                                                                                                                                         | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u>       |
| <b>Richland 2</b><br>Deborah G. Randolph<br>Manager, Computer Services<br>6831 Brookfield Road<br>Columbia, SC 29026<br>Phone: 787-1910 | Computer Literacy         | All               | Varies-mostly Apple IIgs |
|                                                                                                                                         | Computer Programming      | 10-12             | IBM                      |
|                                                                                                                                         | Reading /Language Arts    | 1-2               | IBM                      |
|                                                                                                                                         | Mathematics               | 2                 | IBM                      |
|                                                                                                                                         | Business Education        | 9-12              | Mostly IBM               |
| Vocational Education                                                                                                                    | 9-12                      | Mostly IBM        |                          |

**Description of Computer Use**

IBM Writing to Read Labs at grade 1—Computers in Classroom at grade 2—Take Home Computer Program

**School and District Office Computers: Future Plans**

- Expanding Computers in Classroom (All).
- Pilot district for Classroom Management System (SDOE).

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 580              | 452                | 73                    | 87                                      | 209             |
| District Office | 27               | 0                  | 27                    | 0                                       | 22              |

**School Computers**

| <u>District/Contact</u>                                                                                                       | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Saluda<br>Kay Rankin<br>Coordinator, Basic Skills &<br>Chapter One<br>404 N. Wise Road<br>Saluda, SC 29138<br>Phone: 445-8064 | Computer Literacy            | 1-12              | Apple IIe          |
|                                                                                                                               | Computer Programming         | 7-12              | Apple IIe          |
|                                                                                                                               | Reading /Language Arts       | K-12              | Apple IIe          |
|                                                                                                                               | Science                      | K-12              | Apple I/e          |
|                                                                                                                               | Mathematics                  | K-12              | Apple IIe          |
|                                                                                                                               | Social Studies               | K-12              | Apple IIe          |
|                                                                                                                               | Foreign Language             | 9-12              | Apple IIe          |
|                                                                                                                               | Tool (word processing, etc.) | 9-12              | Apple IIe          |
|                                                                                                                               | Business Education           | 9-12              | Apple IIe          |
|                                                                                                                               | Vocational Education         | 9-12              | Apple IIe          |
|                                                                                                                               | Other (Gifted)               | 3-10              | Apple IIe/IIgs     |
| Other (Resource)                                                                                                              | 1-12                         | Apple IIe         |                    |

**Description of Computer Use**

All elementary students are given limited access to computers. In compensatory, remedial and Chapter I classes, computers are used for drill and practice. For the first time this year, grades 1-12 also received a computer literacy course in the Chapter I classes and a selected compensatory class. Kindergarten and first grade students have CAI in math and reading. Computer instruction provides enrichment in G/T classrooms. The middle school has a computer lab available to all teachers and students. At the high school, computers are used to teach word and data processing, computer literacy, computer science, and CAI in math & consumer homemaking. A computer lab is available to all teachers and students.

**School and District Office Computers: Future Plans**

- In FY90, we will install a CCC lab for reading and math remedial classes. We anticipate buying 17 computers for the lab.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 133              | 119                | 4                     | 10                                      | 59              |
| <u>District Office</u> | <u>5</u>         | <u>0</u>           | <u>5</u>              | <u>0</u>                                | <u>5</u>        |

**School Computers**

| <u>District/Contact</u>                                                                                           | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|-------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Spartanburg 1<br>Don Denton<br>Coordinator of Business<br>P.O. Box 218<br>Campobello, SC 29232<br>Phone: 472-2846 | Computer Literacy            | 7-12              | Apple IIe/IBM PC   |
|                                                                                                                   | Computer Programming         | 11-12             | Apple IIe          |
|                                                                                                                   | Reading/Language Arts        | 1-6               | Apple IIe          |
|                                                                                                                   | Tool (word processing, etc.) | 10-12             | IBM PC             |
|                                                                                                                   | Business Education           | 10-12             | IBM PC             |

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 215              | 188                | 17                    | 10                                      | 55              |
| <u>District Office</u> | <u>4</u>         | <u>0</u>           | <u>3</u>              | <u>1</u>                                | <u>2</u>        |

**District/Contact****School Computers****Instructional Uses    Grade Span    Brand/Model**

|                                                                                                                                                      |                                                                                                               |                                              |                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|
| Spartanburg 2<br>Joan E. Narron<br>Supervisor, Teacher<br>Incentive Program<br>3655 Boiling Springs Road<br>Spartanburg, SC 29303<br>Phone: 578-0128 | Computer Literacy<br>Reading /Language Arts<br>Science<br>Mathematics<br>Social Studies<br>Business Education | 10-12<br>1-8<br>4-12<br>K-12<br>K-8<br>10-12 | Apple IIe<br>Apple IIe<br>Apple IIe<br>Apple IIe<br>Apple IIe<br>IBM |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------|

**Description of Computer Use**

Elementary - There are computer labs in four of our six elementary schools. The labs are used for instruction in reading/language arts, science, social studies and mathematics.

Middle - Computers are used for drill and practice.

Secondary - Computers are used for word processing in business education and for application of spreadsheets and databases in computer literacy courses.

Pathways Project is being used at all schools in the district.

**School and District Office Computers: Future Plans**

- Computer usage will increase at all levels with the addition of more computers and the establishment of more computer labs (as funds permit).

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 314              | 261                | 24                    | 29                                      | 105             |
| District Office | 21               | 0                  | 21                    | 0                                       | 16              |

**District/Contact****School Computers****Instructional Uses    Grade Span    Brand/Model**

|                                                                                                                                                 |                                                                                                               |                                              |                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------|
| Spartanburg 3<br>Ann White<br>Director, Federal Programs &<br>Administrative Assistant<br>P.O. Box 267<br>Glendale, SC 29346<br>Phone: 579-3330 | Computer Literacy<br>Reading /Language Arts<br>Science<br>Mathematics<br>Social Studies<br>Business Education | 10-12<br>K-6<br>4-12<br>K-12<br>K-8<br>10-12 | Apple IIe/IIgs<br>Apple IIe/IIgs<br>Apple IIe/IIgs<br>Apple IIe/IIgs<br>Apple IIe/IIgs<br>IBM |
|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------|

**Description of Computer Use**

Elementary students have access to computers in the classroom and in school library media centers. Computers are used for computer assisted instruction. Math and English labs are available at the secondary level and make extensive use of computers. Computer literacy is taught in all of these programs.

**School and District Office Computers: Future Plans**

- The district is evaluating software and equipment for the installation of remedial labs at the elementary level. School library media centers are being automated at all levels.
- At the high school, computers are used to teach word processing, computer literacy and computer science. Compensatory, remedial and Chapter I classes use computers for drill and practice. All special education classes have computers to assist with instruction.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 178              | 129                | 19                    | 30                                      | 114             |
| District Office | 10               | 0                  | 9                     | 1                                       | 12              |

School Computers

| <u>District/Contact</u>                                                                                                 | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Spartanburg 4<br>Connie R. McClain<br>Instructional Supervisor<br>P.O. Box 669<br>Woodruff, SC 29388<br>Phone: 476-3186 | Computer Literacy            | 1-12              | Apple              |
|                                                                                                                         | Computer Programming         | 7-12              | Apple              |
|                                                                                                                         | Reading /Language Arts       | K-12              | Apple              |
|                                                                                                                         | Mathematics                  | K-12              | Apple              |
|                                                                                                                         | Tool (word processing, etc.) | 7-12              | Apple              |
|                                                                                                                         | Business Education           | 11-12             | Apple              |

**Description of Computer Use**

Computer literacy is provided for students. Computers are used to remediate students in mathematics and reading. Computer literacy and word processing skills are taught in computer labs (4-6), (7-9) and (10-12).

**School and District Office Computers: Future Plans**

- Expand computer program to include a lab at Woodruff Primary School.
- Expand OSIRIS Program.
- Upgrade hardware and software as technology changes.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 124              | 73                 | 8                     | 43                                      | 43              |
| <u>District Office</u> | <u>5</u>         | <u>0</u>           | <u>5</u>              | <u>0</u>                                | <u>4</u>        |

School Computers

| <u>District/Contact</u>                                                                                          | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| Spartanburg 5<br>Sid Crumpton<br>Assistant Superintendent<br>P.O. Box 307<br>Duncan, SC 29334<br>Phone: 439-6326 | Computer Literacy            | 1-12              | Apple Ie           |
|                                                                                                                  | Computer Programming         | 11-12             | Apple IIe          |
|                                                                                                                  | Reading /Language Arts       | 9-12              | Apple IIe          |
|                                                                                                                  | Science                      | 9-12              | Apple IIe          |
|                                                                                                                  | Mathematics                  | 9-12              | Apple IIe          |
|                                                                                                                  | Social Studies               | 9-12              | Apple IIe          |
|                                                                                                                  | Foreign Language             | 9-12              | Apple IIe          |
|                                                                                                                  | Tool (word processing, etc.) | 11-12             | IBM                |
|                                                                                                                  | Business Education           | 11-12             | IBM                |
|                                                                                                                  | Vocational Education         | 9-12              | IBM/IBM PCjr       |

**School and District Office Computers: Future Plans**

- We plan to place modems in all schools in the 89-90 school year. In addition, we hope to establish an electronic bulletin board district-wide. The modems will also allow us to use more of the services currently available through the State Department (TRIMS, CUFAN, etc.). — All Levels.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 212              | 168                | 6                     | 38                                      | 56              |
| <u>District Office</u> | <u>9</u>         | <u>0</u>           | <u>9</u>              | <u>0</u>                                | <u>8</u>        |

| <u>District/Contact</u>                                                                                                                                 | <u>School Computers</u>      |                   |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
|                                                                                                                                                         | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
| Spartanburg 6<br>Judith A. Antley<br>Mathematics/Testing/<br>Pathways Coordinator<br>1493 W. O. Ezell Blvd.<br>Spartanburg, SC 29301<br>Phone: 576-4212 | Computer Literacy            | 9-12              | IBM or Compatible  |
|                                                                                                                                                         | Computer Programming         | 9-12              | IBM or Compatible  |
|                                                                                                                                                         | Reading /Language Arts       | 1-12              | CCC                |
|                                                                                                                                                         | Mathematics                  | 1-12              | CCC                |
|                                                                                                                                                         | Tool (word processing, etc.) | 9-12              | IBM or Compatible  |
|                                                                                                                                                         | Business Education           | 9-12              | IBM                |
|                                                                                                                                                         | Vocational Education         | 9-12              | Tandy/IBM          |
|                                                                                                                                                         | Special Education            |                   | Apple              |

**Description of Computer Use**

Apples are also used throughout the district in teachers' rooms or grouped together in the media center. Also, some IBM compatible PCs are used.

**School and District Office Computers: Future Plans**

- Expand classroom use with Pathways project.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 431              | 370                | 34                    | 27                                      | 130             |
| <u>District Office</u> | <u>9</u>         | <u>0</u>           | <u>9</u>              | <u>0</u>                                | <u>12</u>       |

| <u>District/Contact</u>                                                                                          | <u>School Computers</u>      |                   |                    |
|------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
|                                                                                                                  | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
| Spartanburg 7<br>Carol Ellis<br>Computer Coordinator<br>P.O. Box 970<br>Spartanburg, SC 29304<br>Phone: 594-4400 | Computer Literacy            | 3-12              | Apple IIe          |
|                                                                                                                  | Computer Programming         | 3-12              | Apple IIe          |
|                                                                                                                  | Reading /Language Arts       | 1-6               | Apple IIe          |
|                                                                                                                  | Science                      | 10-12             | Apple IIe          |
|                                                                                                                  | Mathematics                  | 1-12              | Tandy/Apple IIe    |
|                                                                                                                  | Social Studies               | 1-6               | Apple IIe          |
|                                                                                                                  | Tool (word processing, etc.) | 10-12             | Apple IIe/Lanier   |
|                                                                                                                  | Business Education           | 10-12             | Apple IIe/Lanier   |

**School and District Office Computers: Future Plans**

- Future plans include applications included in the State's Pathways Project and the Cons Project.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 749              | 602                | 71                    | 77                                      | 160             |
| <u>District Office</u> | <u>75</u>        | <u>41</u>          | <u>31</u>             | <u>5</u>                                | <u>21</u>       |

School Computers

| <u>District/Contact</u>                                                                                                   | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u> |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|--------------------|
| <b>Sumter 2</b><br>J. Frank Baker<br>Pathways Coordinator<br>1345 Wilson Hall Road<br>Sumter, SC 29151<br>Phone: 469-6900 | Computer Literacy            | K-12              | Apple IIe          |
|                                                                                                                           | Computer Programming         | 10-12             | IBM PC/XT          |
|                                                                                                                           | Reading /Language Arts       | 2-12              | Apple IIe          |
|                                                                                                                           | Science                      | 6-12              | Apple IIe          |
|                                                                                                                           | Mathematics                  | K-12              | Apple IIe          |
|                                                                                                                           | Social Studies               | 8-12              | Apple IIe          |
|                                                                                                                           | Tool (word processing, etc.) | 9-12              | IBM PC/Xt          |
|                                                                                                                           | Business Education           | 9-12              | IBM PC/XT          |
|                                                                                                                           | Vocational Education         | 9-12              | IBM PC/XT          |

**Description of Computer Use**

Ten WICAT mainframe systems at 10 elementary schools with 30 workstations each—serve 3,600 students per day. The lab is also used for summer enrichment in writing and mathematics. Chapter I reading and math using EDL and Prescription Learning curriculum program.

**School and District Office Computers: Future Plans**

- Expand WICAT
- Fully implement Pathways
- Continue with on-going OSIRIS training and staff development
- Implement TRIMS for textbook management.
- The handicap program will expand the use of microcomputers.
- 

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 369              | 318                | 39                    | 12                                      | 111             |
| <b>District Office</b> | 19               | 0                  | 0                     | 19                                      | 12              |

**District/Contact**

Sumter 17  
 Lawrence Williams  
 Coordinator of Media and  
 Technology  
 P.O. Box 1180  
 Sumter, SC 29151  
 Phone: 469-8536

**School Computers**

| <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>        |
|------------------------------|-------------------|---------------------------|
| Computer Literacy            | K-12              | Apple IIe/IIs/IBM PCjr/PC |
| Computer Programming         | K-12              | Apple IIe/IIs/IBM PCjr    |
| Reading /Language Arts       | K-12              | Apple IIe                 |
| Science                      | K-12              | Apple IIe                 |
| Mathematics                  | K-12              | Apple IIe                 |
| Social Studies               | K-12              | Apple IIe                 |
| Foreign Language             | K-12              | Apple IIe                 |
| Tool (word processing, etc.) | K-12              | Apple IIe/IIs/IBM PCjr/PC |
| Business Education           | 9-12              | IBM PC                    |
| Vocational Education         | 9-12              | IBM PC                    |

**Description of Computer Use**

The schools' MS-DOS computers are networked to each administrator's office. All district schools use the OSIRIS software for their administrative activities. The schools and the District Media Center provide training for software products for administrative and instructional use. A complete IBM Write to Read lab is at Alice Drive Elementary and 5 schools use Prescription Learning resources. The schools have access to computer labs and computers on carts in each school. These are used on all levels of instruction. The high school has a semester course in computer math and a two-semester course in data processing. A district computer catalog is published containing all the software titles.

**School and District Office Computers: Future Plans**

- Continue to implement the Pathways project with additional modems and training. Expand our instructional software resources and available hardware.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 305              | 214                | 58                    | 33                                      | 135             |
| District Office | 23               | 11                 | 1                     | 11                                      | 16              |



**School Computers**

| <u>District/Contact</u>                                                                                            | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                  |
|--------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-------------------------------------|
| <b>Union</b><br>William (Billy) Shaw<br>Pathways Coordinator<br>P.O. Box 907<br>Union, SC 29379<br>Phone: 429-1757 | Computer Literacy            | K-12              | Apple IIe/IIs/IBM PC/IBM Compatible |
|                                                                                                                    | Computer Programming         | 9-12              | Tandy/IBM PC                        |
|                                                                                                                    | Reading /Language Arts       | K-12              | Apple IIe/IIs/ IBM PC               |
|                                                                                                                    | Science                      | K-12              | Apple IIe/IIs                       |
|                                                                                                                    | Mathematics                  | K-12              | Apple IIe/IIs                       |
|                                                                                                                    | Social Studies               | K-12              | Apple IIe/IIs                       |
|                                                                                                                    | Tool (word processing, etc.) | 9-12              | IBM PC/Tandy/IBM Compatible         |
|                                                                                                                    | Business Education           | 9-12              | IBM PC/Tandy/IBM Compatible         |
|                                                                                                                    | Vocational Education         | 9-12              | IBM PC/Tandy/IBM Compatible         |

**Description of Computer Use**

The high schools and junior high school are networked within their school. All schools in district use OSIRIS software. All schools in the district have access to computer labs and the high schools teach keyboarding classes and other business computer courses taught are with MS-DOS computers. At Union High School, classes are taught in Lotus, Dbase, Wordstar and Pagemaker. Modems are used for administrative purposes.

**School and District Office Computers: Future Plans**

The district office will be networked using MS-DOS and Macintosh computers. Also, the middle school will be networked before the beginning of next school year for the purpose of providing work stations for classes and teachers for attendance and grade reporting using OSIRIS software. Modems will also be installed in every school in the district. The modems will be used the MS-DOS computers.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 307              | 0274               | 028                   | 5                                       | 94              |
| District Office | 13               | 1                  | 12                    | 0                                       | 9               |

**School Computers**

| <u>District/Contact</u>                                                                                                             | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>              |
|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|---------------------------------|
| <b>Williamsburg</b><br>Judy Fennell<br>Coordinator of Media Services<br>423 School Street<br>Kingstree, SC 29556<br>Phone: 354-5571 | Computer Literacy            | K-12              | Apple IIe/IIs/TRS-80/IBM        |
|                                                                                                                                     | Computer Programming         | 9-12              | IBM/TRS-80                      |
|                                                                                                                                     | Reading /Language Arts       | K-12              | Apple IIe/IIs/Atari             |
|                                                                                                                                     | Science                      | K-12              | Apple IIe/IIs                   |
|                                                                                                                                     | Mathematics                  | K-12              | Apple IIe/IIs                   |
|                                                                                                                                     | Social Studies               | K-12              | Apple IIe/IIs                   |
|                                                                                                                                     | Foreign Language             | 9-12              | Apple IIe/IIs                   |
|                                                                                                                                     | Tool (word processing, etc.) | 4-12              | TRS-80/IBM/Apple IIe            |
|                                                                                                                                     | Business Education           | 9-12              | Apple IIe/IBM/KayPro            |
|                                                                                                                                     | Vocational Education         | 9-12              | Apple IIe/IIs/IBM/Tandy/ TRS-80 |

**Description of Computer Use**

Additional CCC labs have been added. We are doing attendance, discipline and report cards by computers. Schools have been networked to district office.

**School and District Office Computers: Future Plans**

- We are expanding our CCC labs so that a whole class can work at one time.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 573              | 529                | 18                    | 28                                      | 125             |
| District Office | 16               | 9                  | 7                     | 0                                       | 18              |

**District/Contact****School Computers****Instructional Uses    Grade Span    Brand/Model**

|                      |                              |       |                          |
|----------------------|------------------------------|-------|--------------------------|
| York 1               | Computer Literacy            | 1-12  | Apple IIe/Atari/CCC SLS- |
| Jan James            | Computer Programming         | 9-12  | Apple/Tandy              |
| Computer Coordinator | Reading /Language Arts       | 1-12  | CCC SLS-1                |
| P.O. Drawer 770      | Science                      | 9-12  | Apple IIe/Tandy          |
| York, SC 29745       | Mathematics                  | 1-12  | CCC SLS-1                |
| Phone: 684-9916      | Social Studies               | 7-8   | Apple IIe                |
|                      | Foreign Language             | 9-12  | Apple IIe                |
|                      | Tool (word processing, etc.) | 10-12 | Tandy/Mac                |
|                      | Business Education           | 10-12 | Tandy/Mac                |
|                      | Vocational Education         | 10-12 | Tandy/Mac                |

**Description of Computer Use**

We have labs in Harold C. Johnson Elementary (3-6 grades) and York Junior High School (7-8 grade) when teachers sign up for students in their class to use when needed. Jefferson Primary School (K-2) and Hickory Grove-Sharon (1-6) have computers available for teachers to either check out or come in and use.

**School and District Office Computers: Future Plans**

- We hope to expand our CAI labs in all schools and add graphic servers to Hickory Grove - Sharon Elementary and York Comprehensive High School.
- This year we added graphic services to our three Chapter 1 schools and audio at the primary and elementary Chapter I schools. Chapter I schools are: Jefferson Primary School K-2; Harold C. Johnson, 3-6; and York Junior High, School 7-8.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 234              | 215                | 17                    | 2                                       | 89              |
| District Office | 10               | 0                  | 9                     | 1                                       | 10              |

**School Computers****District/Contact****Instructional Uses    Grade Span    Brand/Model**

|                             |                              |      |                    |
|-----------------------------|------------------------------|------|--------------------|
| York 2                      | Computer Literacy            | 5-12 | Apple IIe          |
| William Lowe, Jr            | Computer Programming         | 9-12 | Apple IIe/NCR      |
| Director, Computer Services | Reading /Language Arts       | 1-12 | Atari/CC           |
| P.O. Box 99                 | Mathematics                  | 1-12 | Atari/CCC          |
| Clover, SC 29710            | Tool (word processing, etc.) | 7-12 | Apple IIe/NCR      |
| Phone: 222-7191             | Business Education           | 9-12 | Apple IIe/NCR      |
|                             | Vocational Education         | 9-12 | Apple IIe/Acer/NCR |

**Description of Computer Use**

Computer literacy taught to all 5th and 6th graders. Computer programming, word processing, AP, and others in 9-12 grades. CCC program in 1-12 for remediation.

**School and District Office Computers: Future Plans**

- Plan to get Pilot Classroom Management Program for state and from this we plan to put a computer and printer in each teacher's classroom. Network each to a source in each school will all student information on it.
- Plan to start teaching keyboarding skills in grade 5th and 6th next year (1989-90) and word processing grades 7 and 8.

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 305              | 223                | 71                    | 11                                      | 116             |
| District Office | 15               | 0                  | 15                    | 0                                       | 10              |

School Computers

| <u>District/Contact</u>                                                                                             | <u>Instructional Uses</u>    | <u>Grade Span</u> | <u>Brand/Model</u>                                                    |
|---------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------|-----------------------------------------------------------------------|
| York 3<br>Julia Robbins<br>Supervisor of Instruction<br>P.O. Drawer 10072<br>Rock Hill, SC 29730<br>Phone: 324-5360 | Computer Literacy            | K-12              | Apple IIe/Iigs                                                        |
|                                                                                                                     | Computer Programming         | K-12              | Apple IIe/Iigs                                                        |
|                                                                                                                     | Reading /Language Arts       | K-12              | Apple IIe/Iigs                                                        |
|                                                                                                                     | Science                      | 1-12              | Apple IIe/Iigs                                                        |
|                                                                                                                     | Mathematics                  | K-12              | Apple IIe/Iigs                                                        |
|                                                                                                                     | Social Studies               | 1-12              | Apple IIe/Iigs                                                        |
|                                                                                                                     | Foreign Language             | 9-12              | Apple IIe/Iigs                                                        |
|                                                                                                                     | Tool (word processing, etc.) | 1-12              | Apple IIe/Iigs/Macintosh                                              |
|                                                                                                                     | Business Education           | 10-12             | Epson/Apple IIe/Systel Word/<br>SCS-XT10 Compatible                   |
|                                                                                                                     | Vocational Education         | 10-12             | Franklin/Tandy 1200HD/<br>Zenith 100/Apple IIe/<br>Compugraphic MCS-5 |

**Description of Computer Use**

Teachers use computer-assisted instruction across subject and grade levels to assist students in mastering course content. A K-6 computer curriculum has been implemented district-wide. Students receive instruction in computer literacy, keyboarding and programming Logo. Students in grades 7-8 have an opportunity to take a Computer Applications and BASIC Programming course. High school electives include an introductory applications and programming course in BASIC, a computer math course, and an advanced placement computer science course.

**School and District Office Computers: Future Plans**

- The district plans to purchase computer equipment and software to implement a remedial language arts and mathematics computer labs at the elementary and secondary levels. The district will continue to offer computer courses for teachers to assist teachers in using the computer as a tool and in incorporating the computer in their classroom instruction.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 647              | 531                | 69                    | 49                                      | 229             |
| <u>District Office</u> | <u>24</u>        | <u>0</u>           | <u>24</u>             | <u>0</u>                                | <u>20</u>       |

School Computers

| <u>District/Contact</u>                                                                                          | <u>Instructional Uses</u> | <u>Grade Span</u> | <u>Brand/Model</u> |
|------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|--------------------|
| York 4<br>Dan H. Jones<br>Director of Special Services<br>P.O. Box 369<br>Fort Mill, SC 29715<br>Phone: 548-2527 | Computer Literacy         | 3-12              | Apple IIe/Iic      |
|                                                                                                                  | Computer Programming      | 1-12              | Apple IIe/Iic      |
|                                                                                                                  | Reading /Language Arts    | 1-12              | Apple IIe/Iic      |
|                                                                                                                  | Science                   | 6-8               | Apple IIe/Iic      |
|                                                                                                                  | Mathematics               | 1-12              | Apple IIe/Iic      |
|                                                                                                                  | Vocational Education      | 9-12              | Apple IIe/Iic      |

**Description of Computer Use**

Computer literacy is covered in grades 3-12. Elementary and secondary programs meet criteria for remedial and compensatory education and are served by both Computer Assisted Instruction and Computer Managed Instruction.

**School and District Office Computers: Future Plans**

- York 4 (Fort Mill Scho. District) is participating in the pilot of the CMS program.

|                        | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools                | 195              | 151                | 0/1                   | 3                                       | 54              |
| <u>District Office</u> | <u>1</u>         | <u>0</u>           | <u>1</u>              | <u>0</u>                                | <u>9</u>        |

**District/Contact**  
**School Computers**

**School Computers**  
**Instructional Uses**   **Grade Span**   **Brand/Model**

S.C. For Deaf & Blind  
Howard Chapman  
Director of Information Technology  
Cedar Springs  
Spartanburg, SC 29302  
Phone: 585-7711

|                 | <u>Computers</u> | <u>Instruction</u> | <u>Administration</u> | <u>Instruction &amp; Administration</u> | <u>Printers</u> |
|-----------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| Schools         | 45               | 39                 | 4                     | 2                                       | 17              |
| District Office | 13               | 0                  | 13                    | 0                                       | 17              |

**School Computers**

| <b>District/Contact</b>                                                                                                                                 | <b>Instructional Uses</b> | <b>Grade Span</b> | <b>Brand/Model</b>                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------|----------------------------------------|
| <b>S.C. Youth Services</b><br>Wallace N. Meggs, Jr.<br>Administrative Program Analyst<br>4900 Broad River Road<br>Columbia, SC 29210<br>Phone: 737-8913 | Reading /Language Arts    | 6-12              | Apple IIe/IIgs/<br>IBM PC 25 and PC 30 |
|                                                                                                                                                         | Science                   | 6-12              | Apple IIe/IIgs                         |
|                                                                                                                                                         | Mathematics               | 6-12              | Apple IIe/IIgs                         |
|                                                                                                                                                         | Social Studies            | 6-12              | Apple IIe/IIgs                         |
|                                                                                                                                                         | Business Education        | 9-12              | IBM PS/2 Model 25                      |
|                                                                                                                                                         | Vocational Education      | 9-12              | Apple IIe/Macintosh                    |

**Description of Computer Use**

1. All: All grades are served by computer-assisted instruction and some classes utilize limited computer managed instruction.
2. All: A computerized system is in place which scores the California Achievement Test, correlated the results to BSAP, and prints out a mastery-non-mastery report for use in remedial and regular classrooms immediately after a new student enters a district school.
3. All: Implemented a six workstation Novell network at Birchwood High School and a four workstation at Willow Lane Jr. High School.
4. All: A custom IEP generator program is in use by all Districts Special Services staff.
5. All: Implemented a Sun TOPS network at the District Office which presently networks one NCR 916, three Apple Macintosh computers, a laser printer, and a color dot matrix printer.
6. Sec.: Implemented electronic (desktop) publishing in the Graphic Arts vocational program utilizing Apple Macintosh, laser printer, and optical scanner. The program also has access to video camera digitizer.
7. Mid./Sec.: Implemented small IBM PALS Labs at Birchwood High and Willow Lane Jr. High Schools for Chapter I/remedial reading students.

**School and District Office Computers: Future Plans**

- All: The remedial management program (#2 above) is being written to run on the Novell Networks utilizing the NCS optical sheet readers. (Scheduled for Summer 89)
- All: Install a two-station Novell network at the Willow Lane Annex (Agency's R&E Center) by Fall of 1989 and upgrade District Office network to include two additional workstations and add Novell network software/hardware.
- All: Tie all four of the District's networks into the Agencies Client Folder System, a statewide network which is a pilot project for state agencies and is under development. This system will utilize optical scanners to FAX records and will maintain all records on a networked mini computer. (Fall/Spring 1989)
- All: Increase the number of students which can be served by the PALS Labs. (Fall 1989)

|                        | <b>Computers</b> | <b>Instruction</b> | <b>Administration</b> | <b>Instruction &amp; Administration</b> | <b>Printers</b> |
|------------------------|------------------|--------------------|-----------------------|-----------------------------------------|-----------------|
| <b>Schools</b>         | 149              | 125                | 15                    | 9                                       | 63              |
| <b>District Office</b> | 6                | 0                  | 6                     | 0                                       | 3               |

## SPECIAL SURVEY ADDENDUM TO 1988-89 STATEWIDE COMPUTER SURVEY

This section of the report provides a brief review of several special computer projects, their activities and firms and their locations in the state. Sufficient information is provided so that educators may visit, write or call a computer firm or the site of a project.

Information provided for each includes the following:

- Name of firm, brand, or project
- Contact person's name, address, and telephone number
- Project description
- Placement and use of computers and software
- Future plans
- Student gains/results of project
- Other comments

The projects and firms described in this section include:

- Computer Curriculum Corporation
- Education Systems Corporation
- Governor's Remediation Initiative
- IBM (Clemson University, Writing to Read Projects, and Distance Interactive Learning: Spanish)
- Prescription Learning
- South Carolina Occupational Information System (SCOIS)
- WICAT

**COMPUTER FIRM  
BRAND/PROJECT:**

Computer Curriculum Corporation (CCC)

**CONTACT PERSON:**

Nancy Taylor  
Communications Administrator

**ADDRESS:**

One Parkway Center  
1850 Parkway Place  
Suite 215  
Marietta, GA 30067

**TELEPHONE:**

404/421-0755 or 800/334-6343

**PERSON SUPPLYING  
INFORMATION:**

Thomas F. Foley  
Regional Vice President-Marketing

**A. PRODUCT DESCRIPTION**

CCC, the most successful company providing integrated hardware/software learning systems.

- Computer Curriculum Corporation's computer-based math, reading, and language arts courses have produced achievement gains. Low achievers often double their achievement rates.
- About 2,500 schools according to CCC now use CCC's learning systems — more than the total number of schools using other integrated systems. (Integrated systems provide hardware and software combined into one product.)
- The U.S. Department of Education has granted "Exemplary Project" awards for outstanding achievement growth to six schools using CCC systems.
- Students get individualized instruction not possible in the classroom. A powerful computer continually adjusts instruction to each student's performance. Detailed reports help teachers keep track of student's progress.
- The courses span the curriculum, including reading, math, language arts, computer science — even literacy skills for adults. CCC courses offer thousands of exercises and cover a wide range of grade levels. For example, a student could take CCC's new Math Concepts and Skills course every school day from kindergarten through the eighth grade.
- New courses emphasize higher level thinking skills. Three recent CCC courses use the color graphics and interactive tutorial instruction to encourage thinking skills while developing math, reading, and writing proficiencies.

## B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

### Equipment Placed by School, Subject and Grade

| <u>School District</u> | <u>School</u> | <u>Subject Area(s)<br/>Emphasized</u> | <u>Equipment</u> |                 |
|------------------------|---------------|---------------------------------------|------------------|-----------------|
|                        |               |                                       | <u>Model</u>     | <u>Quantity</u> |
| Edgefield              |               | Reading and Math                      | CCC LS           | 40              |
| Darlington             |               | Reading, Math, and Language Arts      | CCC LS           | 28              |
| Elloree                |               | Reading and Math                      | CCC LS           | 6               |
| Spartanburg            |               | Chapter 1                             | CCC LS           | 43              |
| Georgetown             |               | Chapter 1                             | CCC LS           | 100             |
| Aiken                  |               | EIA                                   | CCC LS           | 276             |
| Kingstree              |               | EIA                                   | CCC LS           | 32              |
| Charleston             | Burke         | EIA                                   | CCC LS           | 4               |
| Clinton                |               | EIA                                   | CCC LS           | 6               |
| Timmonsville           |               | EIA                                   | CCC LS           | 6               |
| Lake City              |               | EIA                                   | CCC LS           | 5               |

## C. FUTURE PLANS

Computer Curriculum Corporation is releasing Reading Readiness, Initial Reading, ESL, a middle science program called Science Discovery, an Elementary Science Applications, and an adult reading program called The Reading Network. All new courses emphasize higher level thinking skills.

## D. STUDENTS GAINS/RESULTS OF PROJECT

- A JTPA project in Pensacola, Florida, rescues potential dropouts with a program focused on CCC basic skill instruction. Operated by the School District of Escambia County, the project reduced the dropout rate from 39% to 2% in the first year. Truancy and discipline incidents were also sharply reduced.
- In Maryland, Calvert County Schools use CCC systems to serve 5,000 students every day. A recent study conducted by the University of Maryland shows that students gained 20% in math achievement and 11% in reading during a three-year period. The district's state achievement ranking rose from 8th to 3rd during this same period.
- In South Carolina, Spartanburg School District is one of 15 school districts using CCC systems to meet landmark state school reform legislation requirements. Students who had performed below the 50th percentile averaged a month of achievement for every hour of CCC instruction.
- In Texas, a CCC project serving nonpublic and public school Chapter I students in Forth Worth received an "Exemplary Project" award from the U.S. Department of Education. Five other CCC projects have received similar awards.
- In Kentucky, Jefferson County Schools use the CCC system in 13 open-entry adult learning centers. A high percentage of these adults average two months of achievement for every hour spent on the computer.
- The Federal Bureau of Prisons has expanded its use of CCC systems from two to 21 of its correctional institutions. The Bureau cites the system's ability to motivate learners and to produce rapid gains.
- In Chicago, Williams Elementary School gives students CAI by telephone using CCC's DIAL-A-DRILL courses. A CCC computer calls students at home and presents exercises by computer voice. The students use the telephone keypad to respond and gets immediate verbal feedback from the computer. Former low achievers progressed a full grade level after using the program for eight months.



## E. OTHER COMMENTS

CCC is headquartered in Palo Alto, California, with offices in Texas, Illinois, Georgia, and Tennessee. The company also has distributors in New Jersey and Mississippi.

For interviews, contact  
Nancy Taylor, Communications Administrator  
Computer curriculum Corporation  
700 Hansen Way  
P.O. Box 10080  
Palo Alto, CA 94304  
800/227-8324 ex. 218  
800/982-5851 ex. 218 (in California)

**COMPUTER FIRM  
BRAND/PROJECT:**

Education Systems Corporation (ESC)

**CONTACT PERSON:**

Miriam Simmons\*

**ADDRESS:**

Jostens Learning Corporation  
6150 N. 16th Street  
Phoenix, AZ 85016

**TELEPHONE:**

1/800/221/7927 Exchange 4413

**A. PROJECT DESCRIPTION**

Spartanburg District 7 was concerned about the performance of students on the CTBS and BSAP tests. In the math and reading areas, higher-order thinking skills were not being developed as fully as concrete- and computation-level skills.

The district researched Integrated Learning Systems to find a CAI/CMI curriculum which would deliver basic skills instruction as well as higher-order thinking activities. ESC was chosen for the quality of lesson development, the management system, and the on-going support and services.

The six schools qualifying for Chapter I funding are delivering their Chapter I students supplemental math and reading instruction through the ESC System. Three schools are supplementing math and reading instruction to compensatory student populations funded with state compensatory funds. All District 7 elementary schools have the ESC System.

The ESC System includes over 1,800 lessons in math, reading, and language arts, including the writing process. Each lesson uses color graphics, sound, and human speech. Lessons correlate with major basals, standardized tests, state tests, and district objectives. The students are placed into the Learning System at their instruction level, as determined by the Basic Skills Inventory. Their progress is monitored and managed by the host system. A variety of progress and mastery reports are generated by the management system.

ESC offers on going service through the Client Support Division. This team includes a lab manager and account manager to ensure smooth day-to-day operations.

The ESC Learning System is available on industry standard microcomputers, including Apple IIgs, Tandy 100, IBM PS/30, and ATT. The software storage is on an economical CD-ROM. The stations are networked together from a host unit which includes the CD-ROM and printer.

All lessons have been correlated with the BSAP objectives. Of the 126 reading objectives itemized by the S.C. Department of Education, the ESC reading curriculum provides instruction for 96.8 percent (122/126). Of the 120 math objectives, ESC provides instruction for 87.5 percent (105/120).

Charleston County -- ESC Reading and Writing Curricula to serve middle school students needing supplemental instruction to maintain or reach expedited performance levels as determined by various state and district guidelines. Individualized delivery of lessons through a micro-computer network. All placement and continuous management functions are provided along with extensive staff training and support on a continuous basis, correlated with BSAP objectives.

\* Until June, 1990.

## B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

### EQUIPMENT PLACED BY SCHOOL, SUBJECT AND GRADE

| <u>SCHOOL DISTRICT</u> | <u>SCHOOL</u>    | <u>GRADES</u> | <u>SUBJECT AREAS EMPHASIZED</u> | <u>EQUIPMENT MODEL/QUANTITY</u> |
|------------------------|------------------|---------------|---------------------------------|---------------------------------|
| Spartanburg 7          | Cleveland El.    | 2-6           | Reading & Math                  | Tandy 1000 NW/54station         |
|                        | Chapman El.      | 2-6           | Reading & Math                  | Tandy 1000 NW/24station         |
|                        | Park Hills El.   | 2-6           | Reading & Math                  | Tandy 1000 NW/24station         |
|                        | Houston El.      | 2-6           | Reading & Math                  | Tandy 1000 NW/25station         |
|                        | Madden El        | 2-6           | Reading & Math                  | Tandy 1000 NW/33station         |
|                        | M H Wright El    | 2-6           | Reading & Math                  | Tandy 1000 NW/36station         |
|                        | Pine Street El   | 2-6           | Reading & Math                  | Tandy 1000 NW/16station         |
|                        | J Boyd El        | 2-6           | Reading & Math                  | Tandy 1000 NW/24station         |
|                        | Todd El          | 2-6           | Reading & Math                  | Tandy 1000 NW/28station         |
| Charleston County      | Schroder Middle  | 6-8           | Reading & Writing               | IBM-Network-15                  |
|                        | Courtenay Middle | 6-8           | Reading & Writing               | IBM-Network-15                  |

## C. FUTURE PLANS

Contact Spartanburg #7 - Carol Ellis 803/594/4400

Contact Charleston County - Claire Eadon 803/722/8461

## D. STUDENT GAINS/RESULTS OF PROJECT

Contact Spartanburg #7 - Carol Ellis

Contact Charleston County - Claire Eadon

## E. OTHER COMMENTS

Training - initial and ongoing provided for lab operation and to teachers and staff as part of commitment of support and enhance existing curricula.

Future Products - AT-RISK LEARNING SYSTEM - middle - serving high and adult students in danger of dropping out our basic skills in reading and mathematics. Available June 89.

DISCOVERY LEARNING SYSTEM - Research and Writing Project using Encyclopedia Britannica's Compton's - grades 4-12. Available June 89.

**COMPUTER FIRM  
BRAND/PROJECT:**

Governor's Remediation Initiative (GRI)

**CONTACT PERSON:**

Stokes J. Smith, Jr. Systems Manager

**ADDRESS:**

119 Withers, Winthrop College  
Rock Hill, SC 29733

**TELEPHONE:**

803/323-2120

**A. PROJECT DESCRIPTION**

The Governor's Remediation Initiative was founded initially by the Office of the Governor, Division of Employment and Training, in 1983. The overall objective of the project was to develop and implement a remediation system to be used by high schools in the state of South Carolina. The system is based upon reading and mathematics curricula that have been correlated with the BSAP objectives for the state. The instructional setting is competency-based, diagnostic and prescriptive, individualized, and measurable.

Each lab contains at least four computers, with one of the four computers set up to communicate electronically with a VAX at Winthrop College. Teachers work with individuals and small groups while managing all learners' progress.

**B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE**

Currently, there are 112 GRI remedial math labs and 88 remedial reading labs in 112 high schools. All labs are intended to serve students in grades 9-12. Participating South Carolina high schools include the following.

|                        |                             |                           |                              |
|------------------------|-----------------------------|---------------------------|------------------------------|
| A.C. Flora High        | Clover High                 | Lamar High                | Ruffin High                  |
| Aiken High             | Columbia High               | Lancaster High            | Scott's Branch High          |
| Airport High           | Conway High                 | Lewisville High           | Silver Bluff High            |
| Allendale-Fairfax High | Crescent High               | Lexington High            | Socastee High                |
| Andrews High           | Cross High                  | Loris High                | South Aiken High             |
| Barnwell High          | Dillon High                 | Lower Richland High       | South Florence High          |
| Battery Creek High     | Dreher High                 | Manning High              | Southside High               |
| Beaufort High          | Easley High                 | Marion High               | Spartanburg High             |
| Berea High             | Eau Claire High             | Mayewood High             | Spring Valley High           |
| Berkeley High          | Elloree High                | Mayo High                 | St. George High              |
| Bishopville High       | Estill High                 | McBee High                | St. John's High (Charleston) |
| Blackville-Hilda High  | Fairfield Co. Voc. Center   | Middleton High            | St. John's High (Darlington) |
| Boiling Springs High   | Furman High                 | Midland Valley High       | Strom Thurmond High          |
| Britton's Neck High    | Gaffney High                | Mount Pleasant High       | Summerville High             |
| Broome High            | Georgetown                  | Mullins High              | Sumter High                  |
| C.A. Johnson High      | Gilbert High                | Newberry High             | Sumter High Annex            |
| C.E. Murray High       | Great Falls High            | Ninety Six High           | Terrell's Bay High           |
| Cainhoy High           | Greenville High             | North Augusta High        | Traveler's Rest High         |
| Calhoun County High    | Greenwood High              | North Central High        | W.J. Keenan High             |
| Camden High            | Harleyville-Kidgeville High | North Myrtle Beach High   | Wade Hampton High            |
| Carolina High          | Hartsville High             | Northwestern High         | Wagener-Salley High          |
| Chapin High            | Hemingway High              | Oconee Voc. Center        | Walterboro High              |
| Cheraw High            | Hillcrest High (Dalzell)    | Orangeburg-Wilkinson High | West Florence High           |
| Cherokee High          | Holly Hill-Roberts High     | Pelion High               | Williamsburg-Blakeley High   |
| Chester High           | Irmo High                   | Pendleton High            | Williston-Elko High          |
| Chesterfield High      | James F. Byrnes High        | Pleasant Hill High        | Wilson High                  |
| Choppee High           | Kingstree High              | Ridge Spring-Monetta High | Winnboro High                |
| Clinton High           | Lake View High              | Rock Hill High            | Woodmont High                |

### **C. FUTURE PLANS**

Objectives of this project include placing math and reading labs in school districts where academic and economic need is shown, as well as addressing the adult illiteracy problem.

### **D. STUDENT GAINS/RESULTS OF PROJECT**

The 1986-87 program year results indicated overall NCE gains of 2.65 in math labs. Reading labs indicated inconsistent gains last year, but are operating under expanded curriculum this year.

### **E. OTHER COMMENTS**

- Teacher training is a major component of the Governor's Remediation Initiative. Approximately 360 teachers have been trained in the use of microcomputers for instructional management, instructional delivery, and mainframe communications.
- A major emphasis currently underway in 15 high schools is the use of a classroom management system and test banks for remedial mathematics.
- Approximately 800 pieces of software were evaluated in 1986-87. These evaluations have been published in six volumes--two math, two English, one reading, and one critical thinking and reasoning.

**COMPUTER FIRM  
BRAND/PROJECT:**

IBM Distance Interactive Learning: Spanish (DIL:S)

**CONTACT PERSON:**

Al Woodham

**ADDRESS:**

IBM Corporation  
1333 Main Street  
Columbia, SC 29201

**TELEPHONE:**

803/748-5248

## **A. PROJECT DESCRIPTION**

**Distance Interactive Learning: Spanish** is an integrated package of video lessons, computers with speech capabilities, and cooperative learning techniques designed to deliver a beginning Spanish course. This systematic approach to learning Spanish meets two of education's critical needs: equity and access.

The DIL:S system provides quality instruction to all students in spite of a shortage of certified Spanish teachers. The system requires a classroom teacher to direct the lesson plans and manage the activities. The program provides video instruction to the teacher as well as the student. Both the teacher and the student acquire proficiency in the language by the end of the course.

The video lessons called "Se Habla Espanol" emphasize teaching the student a basic speaking proficiency level in Spanish. Listening, writing, and reading skills are included in the program. The course also gives an awareness of the Spanish people, their culture, and their contributions to world civilization. Its effective use of technology increases intercultural relationships between students and other cultures. This well-coordinated program enriches Spanish language instruction.

The DIL:S system includes content delivery through 09 video tapes containing lessons presented by television teachers who are native Spanish speakers. Student interaction with a computer network is a vital part of the DIL:S system. The computer activities support the video lessons with oral practice in pronunciation as well as written exercises. An array of printed learning materials also are a part of the DIL:S program.

Utah initially developed the Distance Interactive Learning: Spanish program for students in remote areas. Now, however, students in urban, suburban, and rural areas are learning Spanish through this program.

## **B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE**

| <b>School District</b> | <b>School</b>             |
|------------------------|---------------------------|
| Richland 1             | Sanders Middle            |
| Orangeburg 5           | Orangeburg-Wilkinson High |
| Barnwell 19            | Blackville Middle         |

## **C. FUTURE PLANS**

Expansion plans call for installations of new DIL:S labs in all South Carolina middle schools and high schools as a credit or non-credit course.

#### **D. STUDENT GAINS/RESULTS OF PROJECT**

This is the first year for DIL:S in South Carolina; therefore, results are not available at this time. The Atlanta, Georgia Public School System is a user of this program and offers these findings:

Atlanta Public Schools successfully uses the DIL:S program with 4500 sixth and seventh graders. Before initiating this instructional program, Atlanta had only 285 middle school students enrolled in Spanish. In September 1988, eighth graders enter the program, increasing the number to 7000 students. Science, social studies, and English teachers in Atlanta manage this integrated system.

The course design meets the requirements for the Carnegie units required for college credit. During the first year, tests were given to compare those students in traditional Spanish courses and those in the DIL:S courses. The results show the DIL:S and traditional Spanish students are equally prepared in reading and writing. The DIL:S students, however, are ahead in conversational Spanish.

Testing continues in the 1988-89 school year. Test results from the total DIL:S system, including the new writing component, will be available at the end of this instructional year.

Observations by educators and parents in Atlanta document the improvement of self confidence shown by the DIL:S students. Teachers noted that as the Spanish conversation level increased, students showed a marked improvement in English. On field trips to Mexico and Spain, students communicated well with the native population.

Teachers, who were initially concerned about teaching the language they didn't speak, enjoyed the process when the video and computer instruction began. Students and teachers in the DIL:S system developed proficiency in Spanish at a similar rate. Several teachers in the program are in the process of doing additional study to become certified Spanish teachers.

The high school districts using the DIL:S program are able to add more advanced courses to their curriculum. Administrators in three districts describe their foreign language programs as being revitalized.

#### **E. OTHER COMMENTS**

IBM and DOE (Department of Education) have entered into a partnership which will greatly enhance the opportunity for the South Carolina Public Schools to participate in this program. Call Al Woodham at 748-5248 for details.

**COMPUTER FIRM  
BRAND/PROJECT:**

IBM "Writing to Read"

**CONTACT PERSON:**

Rick Young

**ADDRESS:**

1333 Main Street  
Columbia, SC 29201

**TELEPHONE:**

803/748-5370

**B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE**

| <b>School District</b> | <b>School</b>                                                                                                                                                       | <b>School District</b> | <b>School</b>                              |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|
| Aiken                  | Busbee Elementary                                                                                                                                                   | Horry                  | All Elementary Schools                     |
| Anderson 1             | All Elementary Schools                                                                                                                                              | Kershaw                | Camden Primary                             |
| Anderson 3             | Iva Elementary                                                                                                                                                      | Orangeburg 3           | All Elementary                             |
| Anderson 5             | Whitehall Elementary                                                                                                                                                | Marion 2               | Nichols Elementary                         |
| Calhoun                | Bethlehem Elementary<br>Guinyard Elementary<br>St. John Elementary                                                                                                  | Orangeburg 5           | All Elementary School                      |
| Charleston             | James B. Edwards Elementary                                                                                                                                         | Orangeburg 7           | Ellore Elementary                          |
| Darlington             | All Elementary Schools                                                                                                                                              | Richland 1             | Arden Elementary<br>Crane Creek Elementary |
| Dillon                 | Lake View Elementary                                                                                                                                                | Richland 2             | All Elementary Schools                     |
| Dorchester 4           | St. George Elementary                                                                                                                                               | Spartanburg            | S.C. School for Deaf<br>and Blind          |
| Greenville             | Bakers Chapel Elementary<br>Blythe Elementary<br>Brushy Creek Elementary<br>East Greer Elementary<br>Mauldin Elementary<br>Westcliff Elementary<br>Wrenn Elementary | Union                  | Monarch Elementary                         |

**C. FUTURE PLANS**

Expansion plans call for installation and support of new labs, as well development of a "Writing to Read" follow-up Curriculum. Using technology to extend the writing process into all curriculum areas and grade levels is currently being implemented in a number of school districts, including Orangeburg 5, Anderson 3, Richland 2 and others.

**D. STUDENT GAINS/RESULTS OF PROJECT**

Substantial student gains have been documented by several South Carolina districts including Richland 1, Richland 2, Orangeburg 5, and Aiken, as well as other districts across the country.

**E. OTHER COMMENTS**

IBM "Writing to Read" works! Quality training and on-going support are provided by IBM.



**COMPUTER FIRM  
BRAND/PROJECT:**

IBM Classroom Based "Teaching and Learning with Computer"

**CONTACT PERSON:**

Rick Young

**ADDRESS:**

1333 Main Street  
Columbia, SC 29201

**TELEPHONE:**

803/748-5370

**A. PROJECT DESCRIPTION**

IBM "Teaching and Learning with Computers" (TLC) combines the integration of networked computers into the classroom with quality training on IBM basic skills courseware, word processing software and classroom management strategies. TLC complements the existing instructional program. Writing across the curriculum is highlighted in this approach.

**B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE**

Computers are distributed in the classroom using a ratio of 1:5. Installed sites include:

| <u>School District</u> | <u>School</u>                             |
|------------------------|-------------------------------------------|
| Orangeburg 5           | Elementary and Middle Schools             |
| Richland 2             | Keels Elementary                          |
| Greenville             | Crestview Elementary<br>Morton Elementary |

**C. FUTURE PLANS**

Development of additional offerings for TLC include expanding grade levels to include 1-8, additional content areas (math and science) and instructional management tailored to individual teaching styles.

**D. STUDENT GAINS/RESULTS OF PROJECT**

Districts reporting gains in BSAP performance attribute them not only to technology, but to the restructuring of the classroom.

**E. OTHER COMMENTS**

To ensure success of the program, districts should commit to teacher in-service days. Training and support is provided by IBM Education Consultants.

**COMPUTER FIRM  
BRAND/PROJECT:**

Prescription Learning

**CONTACT PERSON:**

Jane Croxton

Ms. Miriam Simmons

**ADDRESS:**

125 Fox Hill Place  
Lexington, SC 29072

1822 Townes Court  
Rock Hill, SC 29730

**TELEPHONE:**

803/356-0771

803/366-8250

**PERSON SUPPLYING  
INFORMATION:**

Ms. Martha Eisele, Marketing Director

**ADDRESS:**

6150 North 16th Street  
Phoenix, AZ 85012

**TELEPHONE:**

602/422-4339

**A. PROJECT DESCRIPTION**

Prescription Learning, a Jostens Company, has been working with school districts across the United States for over 20 years. The company's products are designed to provide educators with instructional programs for use with students ranging in age from preschool through adult and having diverse educational needs.

Prescription Learning's language arts and mathematics laboratories and Take-Home Computer Programs utilize Apple IIe computers along with Jostens Ufonic Voice Devices focusing on providing basic skills instruction to students in grades K-12, and featuring a computer based-curriculum that is driven by a networked management system. The management system maintains individualized learning plans for each laboratory student, and instructional courseware lessons are downloaded from a fileserver to provide students with daily computer assignments. Detailed student prescriptions guide students to complete off-computer reinforcement lessons and work with the teacher and/or small groups of students for skill and concept introduction and problem-solving sessions. All necessary software, courseware, consumable and nonconsumable and teacher materials complete each program's configuration.

The computer lessons utilize digitized speech, high resolution graphics and present skills in sequential format. Students are consistently assessed as they work, so monitoring of progress is continually updated. Young students are tested using laserdisk assessment since most primary skills require accompanying, branched verbal directions.

Prescription Learning has also developed a parental involvement program that provides families with opportunities to use computers to learn at home. Various modules available in the Take-Home Computer Program have been expanded to include home-based activities for early childhood, primary, intermediate and junior high school students, and adults requiring literacy, basic education or GED preparation.

## B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

Prescription Learning currently (as of May, 1989) provides programs and services to 24 school districts in South Carolina, and operates 147 learning laboratories or parental involvement programs at local sites. During the past year, the Take-Home Computer Program has become increasingly more popular, and it is anticipated that a number of sites will expect to install "Prescription Learning's new IBM-Novell networked laboratory product.

The following districts and schools are presently using Prescription Learning's programs and accompanying services.

| <u>School District</u> | <u>Schools</u>                                                                                                                                                                                                                                                         | <u>School District</u> | <u>Schools</u>                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colleton (10)          | Colleton Elementary<br>Ivenia Elementary<br>Colleton Middle School, Campus A<br>Colleton Middle School, Campus B<br>Smoaks Middle School<br>Hampton Street Elementary<br>Jonesville Elementary<br>Cottageville Elementary<br>Belles Elementary<br>Belles Elementary II | Rock Hill (5)          | Rock Hill High School<br>N. Western High School<br>Castle Heights Junior School<br>Rawlinson Road Junior High<br>Sullivan Junior High                                                                                                                                                                     |
| Sumter #2 (3)          | Mayewood High School (2)<br>Hillcrest High School                                                                                                                                                                                                                      | Jasper (1)             | Ridgeland Middle School                                                                                                                                                                                                                                                                                   |
| Beaufort (4)           | Davis Elementary<br>St. Helena Elementary<br>Beaufort Elementary<br>Lady's Island Elementary                                                                                                                                                                           | Berkeley (12)          | St. Stephen Middle School (2)<br>R. A. Ready Intermediate<br>Cross Elementary<br>Cainhoy Elementary<br>J.K. Gourdin Elementary<br>Boulder Bluff Elementary<br>Bonner Elementary<br>College Park Elementary<br>Sandridge Elementary<br>Whitesville Elementary<br>Berkeley Elementary                       |
| Bamberg (3)            | Denmark--Olar Middle School (2)<br>Denmark--Olar High School                                                                                                                                                                                                           | Edgefield(5)           | Johnston Primary<br>W.E. Parker Elementary<br>Merriwether Elementary<br>Douglas Elementary<br>Johnston Elementary                                                                                                                                                                                         |
| Calhoun (25)           | John Ford Middle School<br>Guinyard Elementary School (18)<br>St. John Elementary (5)<br>Bethlehem Elementary                                                                                                                                                          | Dillon (9)             | Gordon Elementary (9)                                                                                                                                                                                                                                                                                     |
| Clarendon (1)          | Gamble Elementary                                                                                                                                                                                                                                                      | Kershaw (11)           | Lugoff Elementary<br>Antioch Elementary<br>Baron-Dekalb Elementary<br>Bethune Elementary<br>Mt. Pisgah Elementary<br>Camden Elementary<br>Camden Primary<br>Midway Elementary<br>Blaney Elementary<br>Pine Tree Elementary<br>Lugoff Middle School                                                        |
| Lee                    | Bishopville Middle School<br>Lower Lee Primary<br>West Lee Primary<br>Bishopville Elementary<br>Fleming Middle School<br>Mt. Pleasant High School                                                                                                                      | Darlington (12)        | Cain Elementary<br>Hartsville Junior High<br>B.A. Gary Middle School<br>Mayo High School<br>Hartsville Senior High<br>Lamar Elementary<br>N. Hartsville Elementary<br>Spaulding Junior High<br>Washington Street Elementary<br>St. Johns High School<br>Brunson Dargan Junior High<br>St. David's Academy |
| Sumter #17 (5)         | Millwood Elementary<br>Lemira Elementary<br>Willow Drive Elementary<br>Crosswell Drive Elementary<br>Sumter High School                                                                                                                                                |                        |                                                                                                                                                                                                                                                                                                           |
| Lexington #1 (8)       | Lexington Elementary<br>Lexington Intermediate<br>Pelion Elementary<br>Oak Grove Elementary<br>Red Bank Elementary<br>Gilbert Elementary<br>Lexington Middle School<br>Chapin High School                                                                              |                        |                                                                                                                                                                                                                                                                                                           |

| <u>School District</u> | <u>Schools</u>                                                                                                                                                                                                           | <u>School District</u> | <u>Schools</u>                             |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|
| Greenville             | Greenville High<br>Beck Middle<br>Lakeview Middle<br>Parker Middle<br>Monaview Elementary<br>Alexander Elementary                                                                                                        | Richland #2 (1)        | Richland                                   |
|                        |                                                                                                                                                                                                                          | Lexington #5           | Dutch Fork Elementary                      |
|                        |                                                                                                                                                                                                                          | Mullins (3)            | Palmetto School<br>Palmetto Elementary (2) |
| Oconee (11)            | West Oak High School<br>Gignilliat Park<br>South Pine Elementary (2)<br>Westminster School<br>Ravenal Elementary<br>Northside Elementary<br>Utica Elementary (2)<br>Walhalla Middle and Senior High<br>Oakway Elementary | Marion (2)             | Marion Elementary                          |
|                        |                                                                                                                                                                                                                          | Hampton #2 (2)         | Estill Middle School (2)                   |
|                        |                                                                                                                                                                                                                          | York #3 (1)            | Rock Hill                                  |

Prescription Learning programs are also operating in more than 95 Governor's Remediation Sites (for reading instruction).

### C. FUTURE PLANS

In the fall of 1989, Prescription Learning plans to introduce an all-compatible IBM product to parallel its already established series of Apple applications. The IBM technology will extend throughout the laboratory configurations and Take-home Computer programs as well. Fall of 1989 will also incorporate Novell networking in IBM configurations, allowing Prescription Learning's products to expand its products by using additional technology.

Prescription Learning is also involved in the ongoing development of a "process writing" emphasis within the overall language arts area. Extensive research has contributed to the belief that reading and writing is best approached in a "whole language" environment, encouraging students to see and experience the relationship among listening, thinking, reading, writing and communicating in spoken language.

Fall of 1989 will result in the delivery of Prescription Learning's new Early Childhood program, which is based upon the Lincoln (Nebraska) preschool Project and provides a curriculum for 3-5 year old children. The program incorporates a wide range of developmentally appropriate activities centered on speech and language, social/emotional, cognitive, motor and self-help skills. A parental involvement component assures that early learning activities are easily reinforced in the home setting.

Parental involvement has always been a developmental focal point for Prescription Learning. For over ten years, school districts using Prescription Learning's parent involvement programs have documented significant and positive results. Today, all Chapter and special programs (such as "Even Start") mandate parental involvement as a criterion for evaluation. Parent programs which extend into the local community (agencies as well as private businesses) are recognized as especially successful. Prescription Learning is in the process of expanding and enhancing its current parental involvement programs so that it can be specifically tailored to meet unique district, local school and community needs.

## D. STUDENT GAINS/RESULTS OF PROJECT

Specific achievement gains accomplished per Prescription Learning laboratory in South Carolina may be obtained by request and may be provided based upon requested criteria.

Prescription Learning has established documentation based upon evaluations conducted nationwide. The following information illustrates statistics collected during the 1987-88 school year:

### ELEMENTARY SCHOOL APPLICATIONS:

- Reading mastery increased 25%
- Writing mastery increased 29%
- Mathematics mastery increased 15%

### JUNIOR HIGH SCHOOL APPLICATIONS:

- Reading mastery increased 10.1 points
- Mathematics mastery increased 20.3 points

### HIGH SCHOOL APPLICATIONS:

- Reading mastery increased 2 or more grade levels

### TAKE-HOME COMPUTER PROGRAM APPLICATIONS:

- Reading mastery increased 1.5 years per 6 months involvement
- Mathematics mastery increased 1.8 years per 6 months involvement

The above-referenced gains reflect average growth among programs meeting similar criteria for evaluation. Prescription Learning's programs are uniquely tailored to meet a specific school's particular parameters. Therefore, programs vary in terms of attendance frequency, evaluation criteria, degree of parental involvement and so on. The most meaningful assessment information is obtained once a program is established according to its own design and evaluated over short- and long-range time periods against expectations and district-directed objectives.

## E. OTHER COMMENTS

Prescription Learning provides a full range of consulting services as well as technical maintenance of all hardware and equipment. When a program is in its beginning stages, Prescription Learning's support staff works with the school in determining student selection and scheduling criteria.

Before the programs begins, assigned staff are fully inserviced in the use of all laboratory or program components. During the school year, Prescription Learning's educational consultant visits each laboratory twice each month to continue training or assist with management, operation and instructional techniques.

Prescription Learning is also responsible for making sure that all hardware, equipment and other materials are in consistent working order. A technical specialist visits every laboratory twice each month to repair, replace or replenish equipment or supplies to assure that the program continues at full capacity.

Prescription Learning is a Jostens company, and in the spring of 1989, both Prescription Learning and Education Systems Corporation will merge to provide educators with more products and more services aligned with the common goal of ensuring that every child--no matter his or her circumstances or abilities--can have the opportunity to succeed. Together, Prescription Learning and Education Systems Corporation will maintain a joint commitment to quality education ... exemplified by reliable customer support.

**COMPUTER FIRM  
BRAND/PROJECT:**

South Carolina Occupational Information System (SCOIS)

**CONTACT PERSON:**

Carol J. Kososki  
SCOICC Director

**ADDRESS:**

Post Office Box 995  
Columbia, SC 29202

**TELEPHONE:**

803/737-2733

**PERSON SUPPLYING  
INFORMATION:**

Angeleen Hunter

**A. PROJECT DESCRIPTION**

SCOIS is a computer information system delivering up-to-date career, education and occupational information. SCOIS provides students, adults, teachers, and counselors with the information necessary to explore and plan for careers and to choose jobs in a logical and systematic way.

SCOIS is a telephone dial-up system accessing a Prime mini-computer through computer terminal teleprinters or microcomputers with modems.

SCOIS is operational throughout the State, with 367 sites having access to the system.

**B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE**

SCOIS locations:

|           |                                   |
|-----------|-----------------------------------|
| 189       | High Schools                      |
| 54        | Vocational Education Centers      |
| 41        | Middle Schools                    |
| 16        | Technical Schools                 |
| 12        | Colleges/Universities             |
| 11        | Community-Based Organizations     |
| 6         | Job Service Offices               |
| 7         | Public Libraries                  |
| 15        | Vocational Rehabilitation Centers |
| <u>16</u> | Others                            |
| 367       | Total Sites                       |

SCOIS uses Digital Decwriter and Texas Instruments computer terminals. Approximately 100 SCOIS users access the system through their own personal computers, primarily Apple, IBM, and Radio Shack. SCOIS is generally located in the guidance department, counseling center or media center.

### **C. FUTURE PLANS**

Military File will be expanded to include ASUAB scores. Exploring possibility of occupational search on basis of Holland SDS scores.

Emphasis on recapturing, high schools who terminated SCOIS because of funding problems.

### **D. STUDENT GAINS/RESULTS OF PROJECT**

An average of 4,000 accesses to SCOIS are recorded each month. Students have a better understanding of careers, job opportunities, and educational training options as a result of using SCOIS.

### **E. OTHER COMMENTS**

SCOIS User Services staff maintain SCOIS-owned computer terminals and provide training to counselors, teachers, librarians, students, etc. The annual user fee for a SCOIS-owned computer terminal is \$795. Users who provide their own equipment pay \$495 a year. SCOIS now offers a microcomputer software package: Resume Writer and Application Maker. SCOIS computer information is supplemented by the use of printed materials and videos. For demonstrations or conference presentations, contact Carol J. Kososki, SCOICC Director, at 803/737-2733.

**COMPUTER  
BRAND/PROJECT:**

WICAT Systems  
Represented in South Carolina by  
Educational Solutions

**CONTACT PERSON:**

Judy Ethridge

**ADDRESS:**

P.O. Box 3000  
Suite 290  
Taylors, SC 29687

**TELEPHONE:**

803/292-5515

**PERSON SUPPLYING  
INFORMATION:**

Judy Ethridge

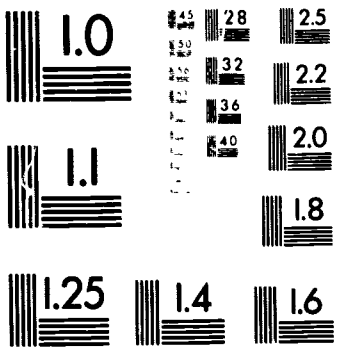
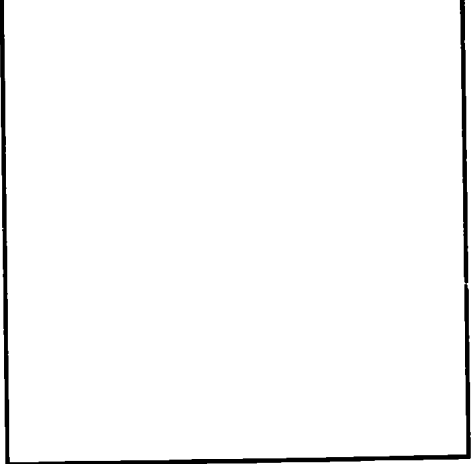
**A. PROJECT DESCRIPTION**

Over the past two decades, WICAT has been involved with developing computer-assisted teaching programs that consistently produce outstanding results. As professional educators, WICAT designers know educating students does not mean simply arming them with facts. Students must be able to determine whether something really is a fact. They must know how facts can be used. And they must be able to operate in those realms where there are no facts at all. In short, students must learn how to think. For this reason, this courseware includes various exercises designed to develop critical thinking skills. As a result, students acquire more than facts they may forget. They develop a skill they'll have for life: the ability to think.

With over 2,000 hours of instruction, WICAT courseware spans virtually every subject in kindergarten through 12 and includes a GED component. From student placement to providing extensive reports on performance, WICAT offers a totally managed system. Before students begin a curriculum, our computer adaptive testing can help determine their skills in the subject and place them at an appropriate level of difficulty. As each student progresses, the WICAT system issues regular reports that include measurements of the lesson's difficulty, the student's time on the task, the number of times the student needed to master the activity, the number of activities attempted and/or mastered compared to the class, even the student's class standing.

WICAT's courseware has been correlated to both BSAP and CTBS and a trained professional will help your district coordinate its objectives to the WICAT courseware. A Learning Improvement Plan specific to the school and district will be designed that will provide goals and objectives using the WICAT curriculum. WICAT is committed to goals of 30 - 50% learner improvement and 200% customer satisfaction. The Vero Beach, Florida At-risk program using WICAT courseware is attracting nationwide attention for its success rate. Chapter I, At-risk, Dropout prevention, GED and Mainstream are all programs that are successfully using WICAT courseware.





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## B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

| School District       | School                                                                                                                                                                                                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Greenville County     | Blythe Elementary<br>East Grøer Elementary<br>Hughes Middle                                                                                                                                                                                         |
| Greenwood District 50 | Southside Junior High                                                                                                                                                                                                                               |
| Lexington District 1  | Gilbert High School<br>Lexington High<br>Pelion High                                                                                                                                                                                                |
| Lexington District 2  | Cyril R. Busbee Middle<br>R. H. Fulmer Middle<br>Northside Middle<br>Pine Ridge Middle                                                                                                                                                              |
| Pickens               | McKissick Elementary                                                                                                                                                                                                                                |
| Sumter District 2     | Cherryvale Elementary<br>R. E. Davis Elementary<br>Delaine Elementary<br>High Hills Elementary<br>Manchester Elementary<br>Mayesville Elementary<br>Oakland Elementary<br>Rafting Creek Elementary<br>St. John Elementary<br>shaw Heighs Elementary |

## C. FUTURE PLANS

WICAT is continually updating courseware and these updates are provided to the school district at no additional cost. There are several new courses in development, one of which is a remedial reading program for adult non-readers.

## D. STUDENT GAINS/RESULT OF PROJECT

WICAT is committed to a company goal of 30-50% learner improvement and is achieving this in almost all of its installations. Test results from Sumter County District 2 indicate gains in NCE's and copies of this report are available from the office of Educational Solutions. McKissick Elementary in Pickens County has experienced large gains in the number of students meeting standard on BSAP after just one year on the WICAT system. Again, these results are available through Educational Solutions.

## E. OTHER COMMENTS

- **TRAINING COMPONENT** — WICAT/Educational Solutions provide training for lab managers, teachers and district personnel who will be involved with the WICAT program.
- **MAINTENANCE** — WICAT provides a 1-800 customer service hotline for any information. A service technician is also available to provide full, on-site service with a 24-hour response time.
- **\$ VALUE OF PLACEMENT** — Available upon request from Educational Solutions.
- **NAME OF PERSON TO CONTACT FOR DEMONSTRATION, CONFERENCE, PRESENTATION:** Judy Ethridge, 803-271-3808.
- **EVALUATION OF SOFTWARE COMPONENT** — WICAT is correlated to both BSAP and CTBS as well as many leading textbooks.