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ABSTRACT

This fifth annual survey of computers and their use in South Carolina schools covers the 1978-88 school years. A questionnaire inventoried computer equipment and software, and dealt with such issues as instructional and administrative uses of computers, and availability of funding. The forms were distributed to all South Carolina public school (grades K-12) principals and district superintendents. Completed forms were received from 1,075 schools (97%) and 92 districts (100%). Highlights of the findings for schools include: (1) 97% of the public schools had computers for either instructional or administrative use; (2) 51% of the faculty members were rated as computer literate; and (3) the rate of change in the number of computers has slowed in the past two years. Major findings for districts indicate that all district offices have computers; Apple microcomputers are the most commonly used (39%); the total rate of change was 180% in 1985, 83% in 1986, and 61% in 1987; and 3.8% of all printers were laser printers. Detailed survey findings are presented in tables, charts, and graphs, together with brief descriptions of computer applications in individual schools and school districts. Brief reviews of eight special large scale computer projects conclude the report. (SD)

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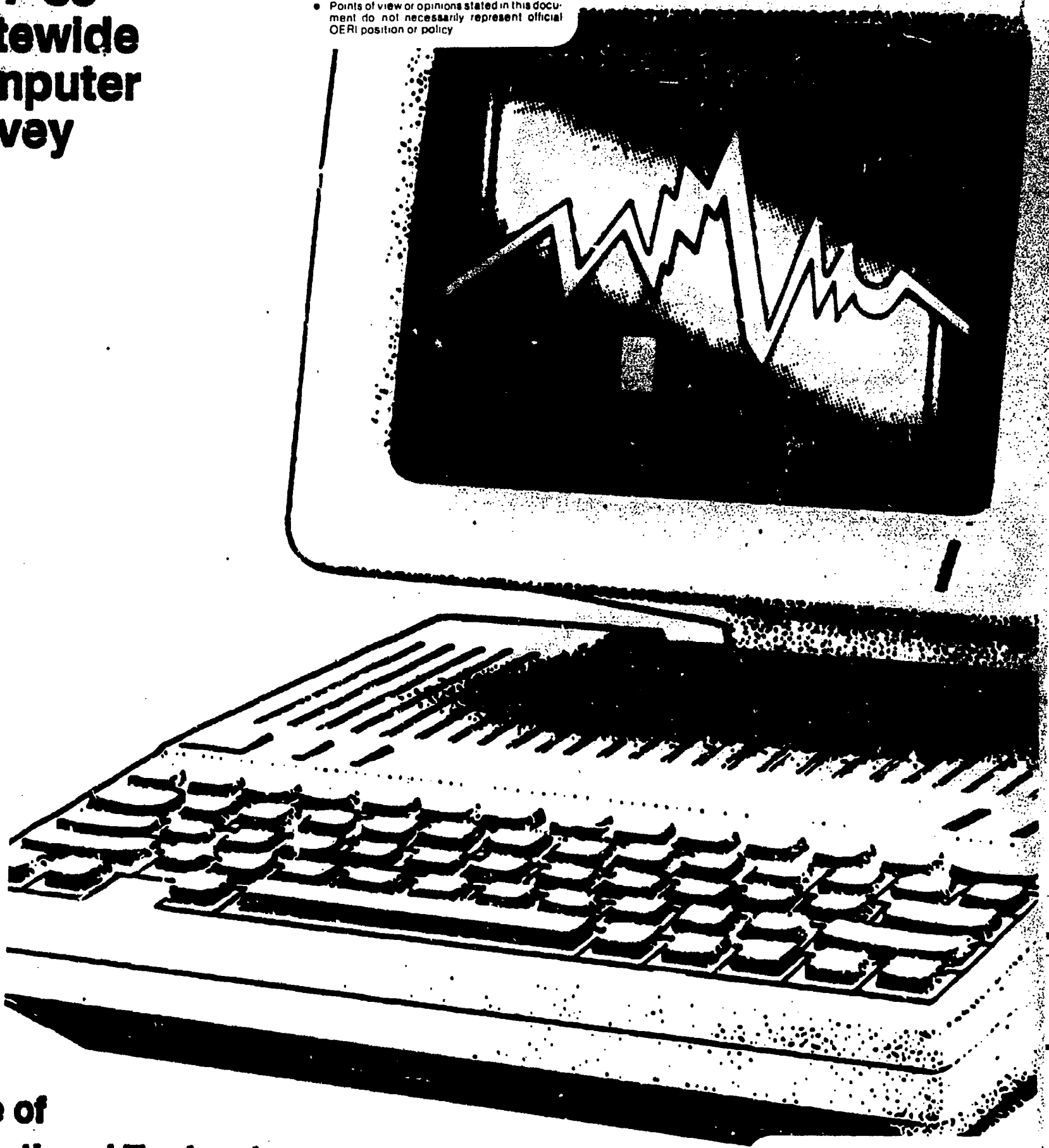
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Report on 1987-88 Statewide Computer Survey

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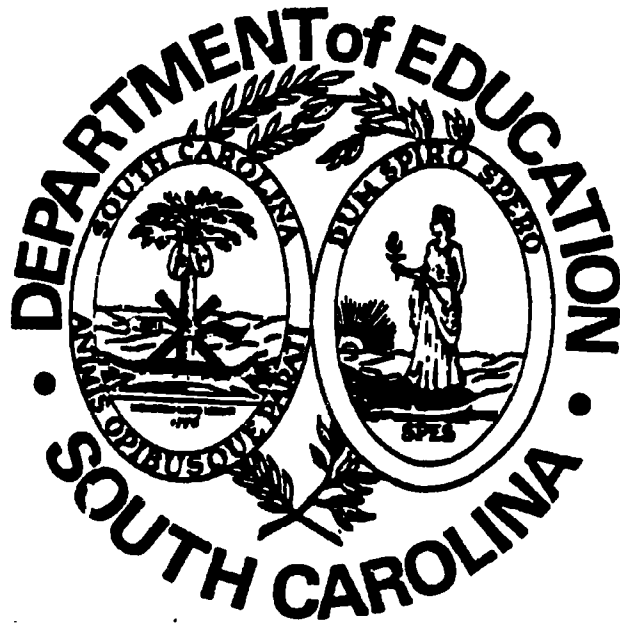


Office of
Instructional Technology
South Carolina Department of Education

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1987-88 STATEWIDE COMPUTER SURVEY REPORT



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January 1989

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Introduction

The 1987-88 Computer Survey is the fifth statewide survey conducted by the Office of Instructional Technology, State Department of Education. This survey was conducted in April, 1988.

Tables, charts and graphs are provided to illustrate results of the 1987-88 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. An eight-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 1,075 school and 92 district forms were received for response rates of 97 percent and 100 percent, respectively.

Survey Highlights

Major findings of the survey include the following:

District

- All school district offices had computers.
- 39 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, and 61 percent in 1987.
- The largest percentage (73% percent) change in the number of computers used belonged to NCR.
- 3.8 percent of all printers were the laser printers.

School

- Over 97 percent of public schools had computers for either instructional or administrative use.
- Over 95 percent of the schools having at least one computer (1,074) had at least one printer (1,029).
- 51 percent of school faculty members were rated as being computer literate by their principals.
- The computer-student-for all computers ratio dropped by 24 percent, from 1:25 to 1:19, from 1986 and 1987.
- The rate of change in the total number of computers has slowed down over the past two years (from 61 percent in 1986 to 24 percent in 1987).
- 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 Atari (99 percent over last year).
- The percent of responding schools (706) using BSAP software correlation books was 72 percent in 1987.
- The percent of responding school district offices (78) using BSAP software correlation books was 71 percent.
- Schools indicated that the rate of computer literate certified faculty increased 37 percent, 45 percent and 51 percent during 1985, 1986 and 1987, respectively.
- Inventory of software indicate that schools have a total of 158,230 titles from both the BSAP-software listing and the SEED reviews.
- The top three titles from the BSAP-software listing are the The Print Shop (5,679) Addition Logician (2,718), and Adventures with Fractions (2,709).
- The top three SEED-listed titles are The Oregon Trail (1,650), The Market Place (1,449), and Dragon Mix (1,413).

SURVEY RESULTS

I. Computer Equipment Inventory

A. District Office Survey of Computers and Printers

I. Computers

A total of 1,931 computers, comprising over 34 brands, and 1,160 printers were located in school district offices. The number of computers reported by the districts is illustrated in the table below.

<u>Year</u>	<u>Number of Computers</u>	<u>Number of Districts</u>
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 computers in school district offices, their quantities and percentage change over last year are listed below.

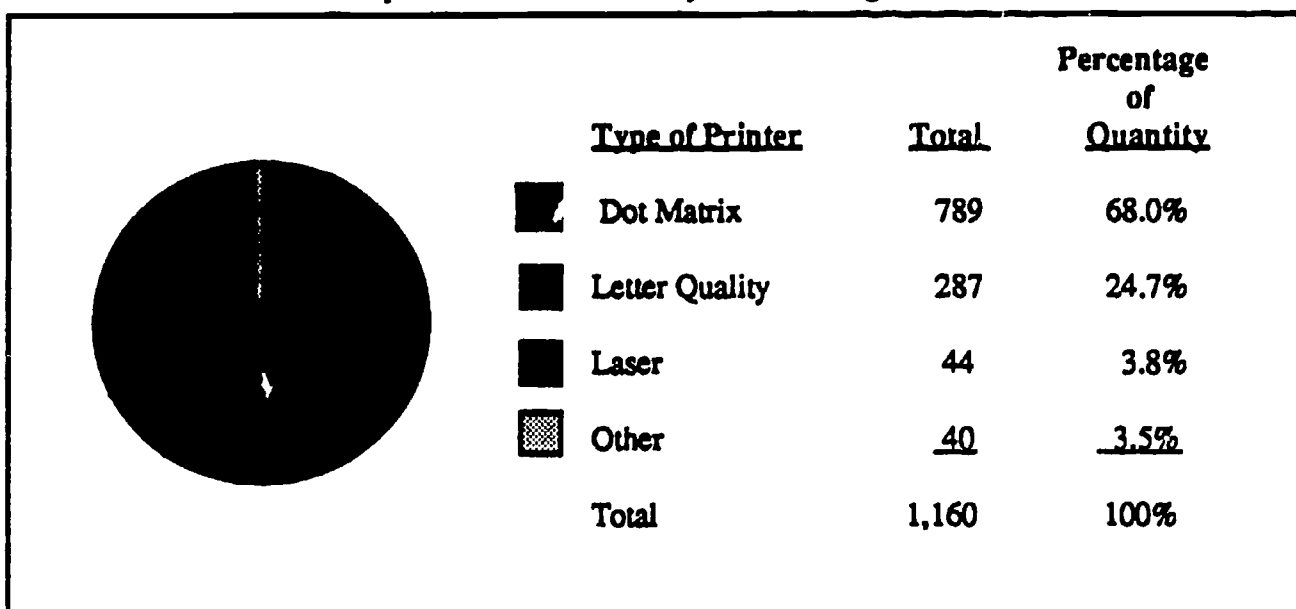
1987 Computer Survey of School District Offices

<u>Brand of Computer</u>				<u>Percent of All Computers</u>			<u>Percent Change</u>		
	<u>1987</u>	<u>1986</u>	<u>1985</u>	<u>1987</u>	<u>1986</u>	<u>1985</u>	<u>1987</u>	<u>1986</u>	<u>1985</u>
Apple	743	526	290	38.5%	43.8%	44.2%	41%	81%	219%
IBM	559	343	232	29.0%	28.6%	35.4%	63%	49%	293%
Radio Shack	77	79	51	4.0%	6.6%	7.8%	-3%	55%	31%
NCR	170	98	10	8.8%	8.2%	1.5%	73%	880%	233%
Other	<u>382</u>	<u>153</u>	<u>73</u>	<u>19.7%</u>	<u>6.3%</u>	<u>12.8%</u>	150%	109%	97%
Total	1,931	1,199	656	100%	100%	100%	61%	83%	180%

The Apple brand of PCs captured 38.5 percent of school district offices' computer equipment inventory, the largest share.

2. Printers

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



Sixty-eight percent of the printers are dot matrix. Table 1 on page 12 illustrates, over 12 percent of the districts had one printer, and only 21 had 10 or more printers to use.

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 24,041 to 29,766, a 23.81 percent increase. The number of computers and the student ratio reported by schools are illustrated in the following table.

Number of Schools with Computers and Total Computers

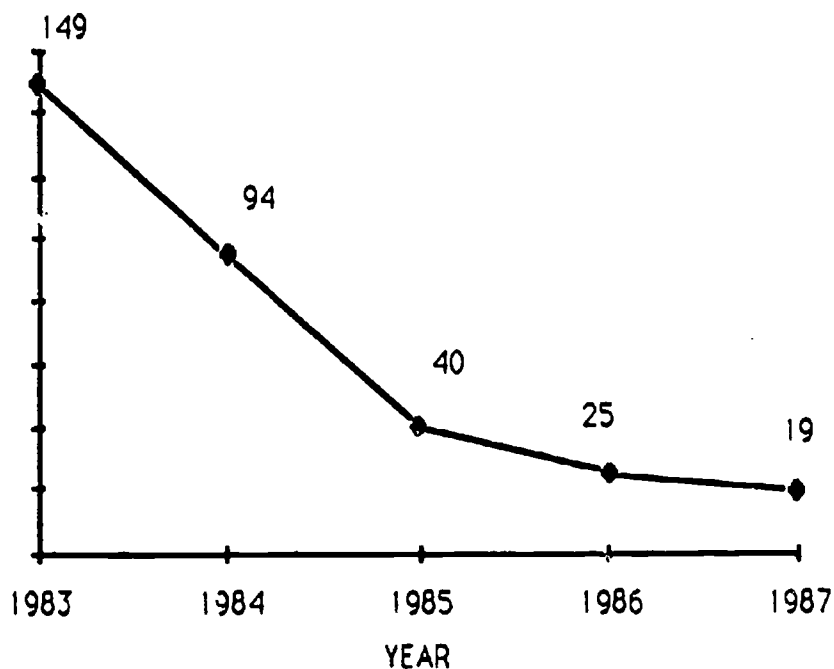
<u>Years</u>	<u>Total Number of Computers</u>	<u>Number of Schools with Computers</u>	<u>Percent Change in Computers</u>
1987-88	29,766	1,074	23.81%
1986-87	24,041	1,061	60.71%
1985-86	14,959	1,028	133.73%
1984-85	6,400	907	57.87%
1983-84	4,054	749	--

The computer-to-student ratio for computers used for instruction improved to 1:19, 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

	1987-88	1986-87	1985-86
<u>Total Computers*</u>			
Grades K-12	1:19	1:25	1:40
Grades K-7	1:23	1:40	1:49
Grades 8-12	1:16	1:16	1:31
<u>Instructionally Used Computers</u>			
Grades K-12	1:23	1:29	1:42
Grades K-7	1:27	1:47	1:52
Grades 8-12	1:18	1:18	1:33
<u>180-Day Student Enrollment</u>			
Grades K-12	632,044	626,521	620,830
Grades K-7	398,489	390,287	385,257
Grades 8-12	233,555	236,234	235,573

1983-1987 COMPUTER RATIO TO STUDENTS



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.

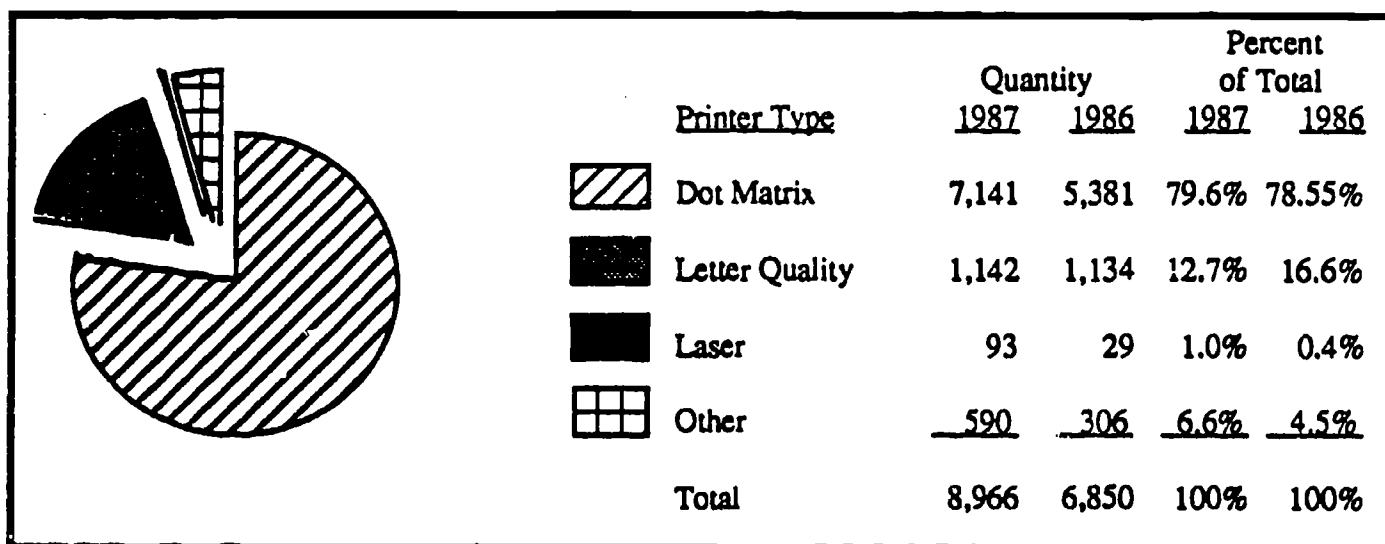
Top Five Computer Brands Used in Schools

Brands of Computers				Percent of All Computers		Percent Change			
	1987	1986	1985	1987	1986	1985	1987	1986	1985
Apple	17,386	14,686	8,681	58.4%	61.1%	58.0%	18%	69%	163%
IBM	4,933	3,574	1,367	16.5%	14.9%	9.1%	38%	161%	453%
Radio Shack	2,381	2,071	1,817	8.0%	8.6%	12.2%	15%	14%	49%
Atari	984	494	273	3.3%	2.1%	1.8%	99%	81%	5%
Commodore	837	854	561	2.8%	3.5%	5.7%	-2%	2%	52%
Other	<u>3,245</u>	<u>2,363</u>	<u>1,969</u>	<u>11.0%</u>	<u>9.8%</u>	<u>13.2%</u>	37%	20%	134%
Total	29,766	24,041	14,959	100%	100%	100%	24%	61%	134%

The Apple brand of PCs persisted in having the largest share of schools' computer equipment (58 percent). Atari had the largest jump from last year (it increased by 99 percent). The overall rate of increase in computers of 24 percent has slowed down somewhat in comparison to last year (61 percent). Table 2 on page 13 shows the number of computers, brand/model and their designated use in the schools. Table 3 on page 14 shows that only 9 percent of the schools had one computer. Furthermore, 58 percent of the schools with computers had 10 or more computers.

2. Printers

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



Eighty percent of all printers were dot matrix. Table 4 on page 14 shows the distribution and use of printers in the schools. Table 5 on page 15 illustrates the frequency distribution of the schools' printers. Over 13 percent of the schools had one printer, and 82 percent of the schools had 10 or more.

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

A. District Office Computer Survey

All districts reported having at least one computer. Other technologies, such as videodiscs and data communications were in use in 7 percent and 27 percent of the districts, respectively. Over 58 percent of all computers and over 73 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>1987</u>	<u>1986</u>
Microcomputers	92 (100%)	92 (100%)
Videodiscs	6 (7%)	9 (10%)
Data Communications	25 (27%)	23 (25%)

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

Computer consultants and other school district administrative office staff purchased software using as references the BSAP-correlated software listings and SEED Reviews distributed by ITEC (Office of Instructional Technology). A majority of school districts (65) now use the BSAP software reference source and 42 use the SEED Review 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
(78 Districts Responded)

<u>Subject</u>	<u>Total Percent (A & B)</u>	<u>A To A Large Extent</u>	<u>B To Some Extent</u>	<u>C Not At All</u>
Language Arts	71%	12	53	13
Mathematics	71%	12	53	13
Science	63%	9	49	20
Other Reference	47%	8	35	23

Table I-2

Use of SEED Software Reviews by School Districts

Questions	Total Yes	Total No	Percent Yes
Did your district receive copies of the SEED Project Software Reviews?	79	13	86%
Do you have access to a copy of the SEED Reviews for you to use?	76	16	83%
Has anyone used the SEED Software Reviews in selecting software ...?	42	50	46%

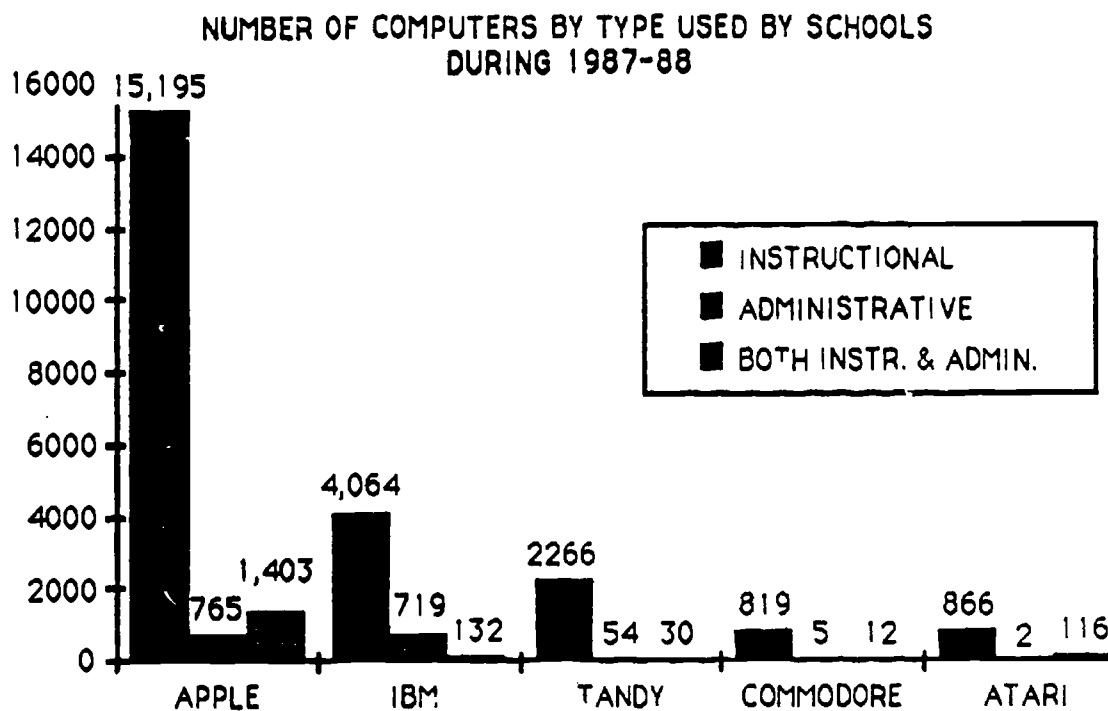
B. School Computer Survey

Almost all schools (97 percent) had at least one microcomputer. The vast majority are used for instructional purposes (86 percent of all computers). Other technologies such as data communications were used in nine percent of schools, videodiscs in seven percent, and robotics in three percent.

1. Technologies Used in Education

School Computer Survey
(Total Schools Responding: 1,075)

Technology Use	Number of Schools Responding Yes			
	1987-88	Percent Yes	1986-87	Percent Yes
Microcomputers	1,041	(97%)	1,072	(98%)
Robotics	29	(3%)	33	(3%)
Videodiscs	72	(7%)	77	(7%)
Data Communications	98	(9%)	105	(10%)



2. Staff Development

The number of school faculty considered to be computer literacy has risen substantially, from percent 37 two years ago to 51 percent last year.

	<u>1987</u>	<u>1986</u>	<u>1985</u>	<u>1984</u>
1. Number of computer literate certified faculty. (from total of 37,906)	19,369 (51%)	17,742 (45%)	13,497 (37%)	9,044 (25%)
2. Use computers for instruction. (from total of 37,906 in Fall 1987) Reference: Selected Facts by MIS S.C.D.E.	13,104 (35%)	11,278 (29%)	—	—

Instruction Software Used by Schools

1. References for Acquiring Software.

Microcomputer software/BSAP correlation books have been published by the Office of Instructional Technology (OIT) since May 1984. They serve as an advisory reference to available software programs that address specific objectives for students in grades 1-8 in all 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 OIT, State Department of Education, Columbia, South Carolina 29201

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	977 (100%)	182 (18.6%)	518 (53.0%)	277 (28.0%)
Mathematics	977 (100%)	183 (18.7%)	523 (53.5%)	271 (27.7%)
Science	907 (100%)	89 (9.8%)	416 (45.9%)	402 (44.3%)

Note that only a maximum of 696 (63.3%) schools answered this item in the questionnaire.

The data on Table i-4 reveals the following facts. The largest use of the software/BSAP correlation books was in acquiring mathematics software (72.3 percent of the respondents). The response rate for science revealed an increase from 47.3 percent in 1986-87 to 55.7 percent in the 1987-88 survey. The absolute number of schools using BSAP correlation books in science increased from 283 to 505.

Table i-4

Use of BSAP Book in Acquiring Software

<u>Subject</u>	<u>From Some to a Large Extent</u>		
	<u>1987-88</u>	<u>1986-87</u>	<u>1985-86</u>
Language Arts	700 (71.7%)	467 (67.3%)	_____
Mathematics	706 (72.3%)	483 (69.4%)	589 (57%)
Science	505 (55.7%)	283 (47.3%)	_____

2. BSAP-Correlated and SEED Software Used in Schools

The Office of Instructional Technology's BSAP-correlated software listing and its SEED Reviews are key sources of information about quality software. Schools indicated having 158,230 software titles from these publications. This information plus the data given in previous editions of this report indicate that they save teachers time in previewing software, in locating reviews, and provide a valued source of quality reviews.

The top twenty programs from the publications in terms of quantities in our schools are as follows:

A. BSAP Software Inventory

<u>Title</u>	<u>Quantity</u>	<u>Rank</u>
Print Shop, The	5,679	1
Addition Logician	2,718	2
Adventures with Fractions	2,709	3
Math Blaster	2,412	4
Logo	2,358	5
Growgin's Fractions	2,310	6
Master Spell	1,976	7
Word Munchers	1,944	8
Speedway Math	1,746	9
Substraction Puzzles	1,659	10
MECC Editor	1,592	11
Elementary Volume 7	1,533	12
Paint with Words	1,520	13
Quotient Quest	1,515	14
Word Herd-Sound Alike	1,452	15
Crossword Magic	1,449	16
Comp. Gen. Math. Mats. Vol. 1	1,413	17
Fun From A-Z	1,358	18
MECC Writer	1,348	19
Newsroom, The	1,340	20
Others	40,031	
Total	126,644	

B. SEED Software Inventory

<u>Title</u>	<u>Quantity</u>	<u>Rank</u>
Oregon Trail, The (No. 157)	1,650	1
Market Pace, The	1,449	2
Dragon Mix	1,413	3
Clock Works	1,344	4
Crossword Magic	1,336	5
Newsroom	936	6
Who, What, When, Where, Why	704	7
Kittens, Kids, and a Frog	602	8
Wizard of Words	552	9
Word Masters	520	10
Gertrude's Puzzles	452	11
Magic Castle/Vocabulary Building	450	12
Decimals	448	13
Reading Comprehension	424	14
Hangman	405	15
Pond, The	378	16
Verb Viper	378	16
Capitalization	370	17
Stickybear Reading	366	18
Stickybear ABC	357	19
Alligator Mix	316	20
Others	<u>14,850</u>	
Total	<u>31,586</u>	

3. 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 and the state departments of education in Alabama, Florida, Georgia, Louisiana, Mississippi, 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 394 SEED Software Annotations have been provided to superintendents, computer coordinators, principals, and media specialists.

From a total 1,075 schools responding to the current survey, 872 indicated that they received the SEED Project Software Reviews (PSR) and 881 schools revealed that they had access to a copy. Another 583 (54 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 Yes</u>	<u>Total No</u>	<u>Percent Yes</u>
Did your school receive copies of the SEED Project Software Reviews?	872	203	81%
Do you have access to a copy of the SEED Reviews for you to use?	881	194	82%
Has anyone used the SEED Software Reviews in selecting software ...?	583	492	54%

Table 1

Frequency of Computer and Printer Units in Districts in 1987-88

<u>Number of Computers</u>	<u>Number of Districts with Computers</u>	<u>Number of Districts with Printers</u>
1	30	11
2	26	6
3	13	21
4	3	10
5	2	6
6	2	7
7	1	4
8	1	5
9	1	1
10	2	2
11	0	2
12	0	1
13	0	1
14	0	0
15	1	1
16	0	0
17	0	2
18	2	1
19	1	0
20	0	1
<u>21 +</u>	<u>7</u>	<u>10</u>
Total Districts	92	92
Districts with 10 or more computers and printers:	13 (14%)	21 (23%)

Table 2

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

COMPUTER BRAND MODEL	TOTAL QTY.	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.
APPLE(II, II+, IIC)	16,196	14,239	101	939	680	74	362	1,256	65	282
APPLE (III)	151	81	27	26	30	15	19	40	7	17
APPLE(IIgs)	1,039	875	49	192	55	22	39	107	24	56
AT & T	10	0	0	0	10	3	3	0	0	0
ATARI(400)	342	322	21	57	2	2	2	18	4	4
ATARI ST	642	544	10	42	0	0	0	98	5	8
BELL & HOWELL	5	5	1	1	0	0	0	0	0	0
BURROUGHS	4	4	3	3	0	0	0	0	0	0
CCC (SLS-1)	699	604	16	56	25	7	10	70	3	6
COMMODORE	837	819	41	130	5	4	4	12	4	7
COMPAQ DATA	3	3	1	1	0	0	0	0	0	0
DIGITAL	111	70	48	38	27	18	21	14	11	13
EPSON	26	26	2	2	0	0	0	0	0	0
FRANKLIN	106	90	13	19	16	4	7	0	0	0
HAYES	2	2	1	1	0	0	0	0	0	0
IBM (34)	122	76	21	5	36	15	20	10	5	6
IBM DISPLAY	6	1	3	1	2	2	2	3	1	1
IBM PC	2,931	2,403	76	140	464	53	277	63	22	33
IBM PC JR	981	886	40	103	47	17	27	48	9	13
IBM PS/2	893	698	41	49	170	34	106	8	7	7
KAYPRO	32	24	7	4	7	3	3	1	1	1
LANIER	140	135	11	12	1	1	1	4	1	1
LASER EX	56	48	13	16	3	1	1	5	2	3
LEADING EDGE	95	59	17	11	35	10	17	1	1	1
LISA	12	12	2	2	0	0	0	0	0	0
MONROE	33	29	6	3	2	2	2	2	1	1
MORROW	1	1	1	1	0	0	0	0	0	0
NCR	563	28	76	24	518	75	457	17	14	17
NEC	4	2	3	1	2	2	2	0	0	0
NIDORF	4	0	0	0	4	4	4	0	0	0
OTHERS	10	2	6	2	7	3	3	1	1	1
SANYO	1	0	0	0	0	0	0	1	1	1
SCOIS	2	1	2	1	1	1	1	0	0	0
SOFTEK	72	14	11	2	21	10	14	37	1	1
SONY	35	34	3	5	1	1	1	0	0	0
SPERRY	25	2	13	2	23	13	22	0	0	0
TANDY	757	704	34	62	24	15	18	29	7	9
TELEVIDEO	4	0	0	0	4	1	2	0	0	0
TI	370	349	28	65	11	3	3	10	1	1
TIMEX	1	1	1	1	0	0	0	0	0	0
TRS-80 (I-IV)	1,210	1,168	53	152	24	13	17	17	9	14
TRS-80 COLOR	414	394	35	67	7	3	4	13	5	6
VARITYPER	2	0	0	0	2	1	2	0	0	0
VICTOR	1	1	1	1	0	0	0	0	0	0
VIEWPOINT	254	217	8	19	36	5	17	25	2	2
WANG	36	30	2	1	5	1	1	1	1	1
WICAT	402	390	2	13	11	1	11	1	1	1
XEROX	59	8	4	1	1	1	1	50	3	3
ZENITH	65	57	14	14	8	2	3	0	0	0
	29,766*	25,458*			2,327*			1,962*		

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

Table 3

FREQUENCY OF COMPUTER UNITS IN K-12 SCHOOLS

Number of Computers in Schools	Number of Schools with Computers				Percent of Schools with Computers			
	1987	1986	1985	1984	1987	1986	1985	1984
1	101	69	177	333	9.4%	6.5%	17%	36.5%
2	53	49	104	154	5.2%	4.5%	10%	16.9%
3	50	62	90	75	4.6%	5.8%	8%	8.2%
4	42	53	76	70	3.9%	5.0%	7%	6.7%
5	38	48	61	44	3.5%	4.5%	6%	4.8%
6	47	51	61	31	4.4%	4.8%	6%	3.4%
7	40	47	52	36	3.7%	4.4%	5%	3.9%
8	47	51	47	20	4.4%	4.8%	4%	2.2%
9	37	49	39	17	3.4%	4.6%	4%	1.9%
10	35	36	44	23	3.2%	3.4%	4%	2.5%
11	34	26	40	18	3.1%	2.5%	4%	2.0%
12	48	39	29	18	4.5%	3.6%	3%	2.0%
13	33	37	20	8	3.1%	3.5%	2%	.9%
14	33	38	20	11	3.1%	3.6%	2%	1.2%
15	31	30	26	9	2.9%	2.8%	2%	1.0%
16	27	31	24	5	2.5%	2.9%	2%	.5%
17	23	34	22	9	2.1%	3.2%	2%	1.0%
18	23	28	17	6	2.1%	2.6%	2%	.7%
19	25	21	9	7	2.3%	1.9%	0%	.8%
20	20	15	21	4	1.9%	1.4%	2%	.4%
21 +	<u>287</u>	<u>247</u>	<u>83</u>	<u>13</u>	<u>26.7%</u>	<u>23.2%</u>	<u>8%</u>	<u>1.4%</u>
Total Schools	<u>1,074</u>	<u>1,061</u>	<u>1,062</u>	<u>911</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>	<u>100%</u>
Schools with 10 or more computers:	619	582	355	131				

Table 4

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

COMPUTER BRAND MODEL	TOTAL QTY.	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	7,141	4,868	102	775	1,291	96	648	973	73	307
LASER	93	56	22	19	19	13	17	18	7	11
LETTER QUALITY	1,142	643	91	164	347	77	253	146	38	58
OTHER	590	310	69	102	164	52	129	119	21	34
TOTALS	<u>8,966 *</u>	<u>5,877 *</u>			<u>1,821 *</u>		<u>1,256 *</u>			

*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 in Schools	Number of Schools with Printers	Percent of Schools with Printers
1	138	13.4%
2	117	11.4%
3	129	12.5%
4	122	11.9%
5	92	8.9%
6	83	8.1%
7	70	6.8%
8	30	2.9%
9	30	2.9%
10	32	3.1%
11	25	2.4%
12	24	2.3%
13	9	.9%
14	10	1.0%
15	7	.7%
16	14	1.4%
17	14	1.4%
18	12	1.2%
19	8	.8%
20	6	.6%
21+	57	5.5%
Total Schools	1,029	100%
Schools with 10 or more printers: (out of those schools reporting)	1987 843 (81.9%)	1986 163 (14.8%)

Table 6

NUMBER OF ALL SCHOOLS WITH PRINTERS BY SCHOOL LEVEL

School Level	Number of Schools with Printers
Elementary	733
Secondary	247
Vocational	<u>49</u>
All Schools	1,029

**REPORT ON THE USE OF PRINTERS
LISTED BY USE AND BRAND-MODEL**

ELEMENTARY SCHOOLS										
COMPUTER BRAND MODEL	TOTAL QUANTITY	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	3,103	1,841	89	514	739	82	442	514	64	209
LASER	16	3	10	3	8	6	7	5	3	4
LETTER QUALITY	360	136	60	58	188	54	149	32	19	22
OTHER	360	151	50	57	130	44	107	82	16	26
TOTALS	3,839	2,131			1,065			633		

MIDDLE, SECONDARY, AND VOCATIONAL SCHOOLS										
COMPUTER BRAND MODEL	TOTAL QUANTITY	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
DOT MATRIX	4,038	3,027	99	261	552	83	206	459	48	98
LASER	77	53	18	16	11	8	10	13	6	7
LETTER QUALITY	782	507	80	106	159	57	104	114	30	36
OTHER	230	159	43	45	34	20	22	37	7	8
TOTALS	5,127	3,746			756			623		

**REPORT ON THE USE OF COMPUTERS
LISTED BY USE AND BRAND-MODEL
ELEMENTARY SCHOOLS**

COMPUTER BRAND MODEL	TOTAL QUANTITY	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.	QTY.	DISTS.	SCHS.
APPLE (II,II+, IIc,IIe)	5,587	8,428	90	669	393	63	246	48	59	189
APPLE (III, MAC)	31	15	12	8	10	6	9	6	3	5
APPLE IIGS	755	656	34	134	31	12	24	66	16	33
ATARI (400, 600XL ...)	297	278	16	46	2	2	2	17	3	3
ATARI ST	300	297	9	28	0	0	0	3	2	2
CCC (SLS01)	530	438	16	46	22	5	7	70	3	6
COMMODORE	647	634	33	92	3	2		10	4	5
DIGITAL	13	9	4	2	3	2	2	1	1	1
FRANKLIN	16	16	5	6	0	0	0	0	0	0
HAYES	2	2	1	1	0	0	0	0	0	0
IBM (34, 36, 38)	16	0	9	0	14	8	11	2	2	2
IBM (DISPLAYWRTR.)	3	0	0	0	0	0	0	3	1	1
IBM PC	280	52	45	35	213	40	174	15	6	10
IBM PC JR	735	678	26	73	22	11	16	35	3	5
IBM PS/2 (25,30,50,80)	394	296	28	28	75	21	67	6	6	6
KAYPRO	14	12	2	1	2	1	1	0	0	0
LASER EX	18	10	6	4	3	1	1	5	2	3
LEADING EDGE	14	5	6	1	9	5	6	0	0	0
LISA	6	6	1	1	0	0	0	0	0	0
MONROE	3	0	2	0	1	1	1	2	1	1
NCR	369	19	68	15	337	66	321	13	12	13
NEC	1	0	0	0	1	1	1	0	0	0
NIDORF	3	0	0	0	3	3	3	0	0	0
OTHERS	1	0	0	0	1	1	1	0	0	0
SOFTEK	4	0	0	0	4	3	4	0	0	0
SONY	35	34	3	5	1	1	1	0	0	0
SPERRY	16	0	0	0	16	8	15	0	0	0
TANDY	361	334	12	26	4	2	3	23	3	4
TI	324	304	24	53	10	2	2	10	1	1
TRS-80 (I-IV)	276	261	20	60	7	5	7	8	4	7
TRS-80 COLOR	195	185	21	37	5	2	2	5	3	4
VICTOR	1	1	1	1	0	0	0	0	0	0
VIEWPOINT	199	174	5	8	24	3	10	25	2	2
WANG	31	30	1	1	0	0	0	1	1	1
WICAT	402	390	2	13	11	1	11	1	1	1
XEROX	1	0	0	0	0	0	0	1	1	1
ZENITH	9	8	4	3	1	1	1	0	0	0
TOTALS	15,889	13,572			1,228			1,076		

**REPORT ON THE USE OF COMPUTERS
LISTED BY USE AND BRAND-MODEL
MIDDLE, SECONDARY, AND VOCATIONAL SCHOOLS**

COMPUTER BRAND MODEL	TOTAL QUANTITY	INSTRUCTIONAL			ADMINISTRATIVE			INSTR. & ADMIN.		
		QTY	DISTS	SCHS.	QTY	DISTS	SCHS.	QTY.	DISTS.	SCHS.
APPLE (II,II+,IIC,IIe)	6,609	5,811	97	270	287	54	116	508	46	93
APPLE (III, MAC)	120	66	22	18	20	10	10	34	6	12
APPLE IIGs	284	219	36	58	24	14	15	41	15	23
AT & T	10	0	3	0	10	3	3	0	0	0
ATARI (400,600XL,...)	45	44	8	11	0	0	0	1	1	1
ATARI ST	342	247	7	14	0	0	0	95	4	6
BELL & HOWELL	5	5	1	1	0	0	0	0	0	0
BURROUGHS	4	4	3	3	0	0	0	0	0	0
CCC (SLS01)	169	166	5	9	3	2	3	0	0	0
COMMODORE	190	185	20	38	2	2	2	2	2	2
COMPAQ DATA	3	3	1	1	0	0	0	0	0	0
DIGITAL	98	61	48	36	24	18	19	13	10	12
EPSON	26	26	2	2	0	0	0	0	0	0
FRANKLIN	90	74	11	13	16	4	7	0	0	0
IBM (34,36,38)	106	76	15	5	22	8	9	8	3	4
IBM PC (DISPLAYWRT)	3	1	2	1	2	2	2	0	0	0
IBM PC	2,651	2,351	69	105	251	42	103	48	18	23
IBM PC JR	246	208	27	30	25	10	11	13	7	8
IBM PS/2 (25,30,50,80)	499	402	31	21	95	25	39	2	1	1
KAYPRO	18	12	5	3	5	2	2	1	1	1
LANIER	140	135	11	12	1	1	1	4	1	1
LASER EX	38	38	9	12	0	0	0	0	0	0
LEADING EDGE	81	54	15	10	26	9	11	1	1	1
LISA	6	6	1	1	0	0	0	0	0	0
MONROE	30	29	4	3	1	1	1	0	0	0
MORROW	1	1	1	1	0	0	0	0	0	0
NCR	194	9	69	9	181	66	136	4	4	4
NEC	3	2	2	1	1	1	1	0	0	0
NIDORF	1	0	1	0	1	1	1	0	0	0
OTHER COMPUTERS	9	2	5	2	6	2	2	1	1	1
SANYO	1	0	1	0	0	0	0	1	1	1
SCOIS	2	1	2	1	1	1	1	0	0	0
SOFETK	68	14	9	2	17	8	10	37	1	1
SPERRY	9	2	8	2	7	7	7	0	0	0
TANDY (1,00)	396	370	28	36	20	14	15	6	4	5
TELEVIDEO	4	0	1	0	4	1	2	0	0	0
TI	46	45	12	12	1	1	1	0	0	0
TIMEX	1	1	1	1	0	0	0	0	0	0
TRS-80 (I-IV)	934	907	50	92	17	10	10	9	6	7
TRS-80 COLOR	219	209	24	30	2	1	2	8	2	2
VARITYPER	2	0	1	0	2	1	2	0	0	0
VIEWPOINT	55	43	8	11	12	4	7	0	0	0
WANG	5	0	1	0	5	1	1	0	0	0
XEROX	58	8	3	1	1	1	1	49	2	2
ZENITH	56	49	10	11	7	1	2	0	2	2
TOTALS	13,877	11,886			1,099			886		

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1987-88

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS	
			DISTRICT	SCHOOLS	DISTRICT	SCHOOLS
ABBEVILLE	60	11	5	112	5	60
AIKEN	01	37	29	1,393	22	305
ALLENDALE	00	1	-	22	-	11
	01	4	9	134	7	24
ANDERSON	00	1	-	35	-	17
	01	12	271	225	41	43
	02	7	1	140	4	44
	03	4	1	166	3	24
	04	6	1	67	1	20
	05	17	13	443	13	145
BAMBERG	01	5	2	94	2	51
	02	3	4	96	5	35
BARNWELL	00	1	-	10	-	8
	19	3	4	95	4	21
	29	3	4	69	4	22
	45	4	2	123	2	31
BEAUFORT	00	1	-	33	-	22
	01	18	24	379	22	154
BERKELEY	01	36	41	1,335	25	334
CALHOUN	01	4	5	69	5	37
CHARLESTON	01	70	129	2,351	103	901
CHEROKEE	01	19	6	400	6	99
CHESTER	01	14	14	333	13	112
CHESTERFIELD	01	16	8	492	6	101

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1987-88

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS	
			DISTRICT	SCHOOLS	DISTRICT	SCHOOLS
CLARENDON	00	1	-	42	-	17
	01	4	4	35	4	5
	02	4	5	155	7	32
	03	3	5	58	4	17
COLLETON	01	14	3	254	3	79
DARLINGTON	01	26	33	540	24	225
DILLON	00	1	-	-	-	-
	01	3	1	38	1	1
	02	7	6	188	4	81
	03	3	3	80	3	9
DORCHESTER	00	1	-	42	-	26
	02	13	14	505	8	156
	04	6	3	118	3	38
EDGEFIELD	01	6	5	240	7	57
FAIRFIELD	01	9	14	213	12	48
FLORENCE	01	20	15	620	13	139
	02	3	4	72	3	26
	03	8	60	260	52	27
	04	4	71	104	25	34
	05	3	-	75	-	22
GEORGETOWN	01	18	69	362	29	129
GREENVILLE	01	92	120	2,224	35	740
GREENWOOD	00	1	-	-	-	6
	50	13	18	308	17	84

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1987-88

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTER ;		NO. OF PRINTERS	
			DISTRICT	SCHOOLS	DISTRICT	SCHOOLS
GREENWOOD	51	4	2	31	2	5
	52	3	2	55	3	24
HAMPTON	01	6	1	148	1	11
	02	3	5	138	5	64
HORRY	01	35	75	950	52	257
JASPER	01	3	10	49	7	7
KERSHAW	01	18	21	380	19	103
LANCASTER	01	22	7	485	10	192
LAURENS	55	9	7	204	8	48
	56	7	7	172	6	53
LEE	01	8	4	285	4	58
LEXINGTON	01	11	16	341	10	129
	02	16	29	428	23	187
	03	4	2	104	1	33
	04	5	17	78	5	15
	05	12	32	584	27	151
MCCORMICK	01	3	2	164	2	29
MARION	00	1	-	38	-	6
	01	5	8	136	8	31
	02	6	13	226	9	39
	03	3	2	51	2	21
	04	2	1	9	1	8
MARLBORO	01	16	5	296	3	51
NEWBERRY	01	18	6	229	6	71

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1987-88

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS	
			DISTRICT	SCHOOLS	DISTRICT	SCHOOLS
OCONEE	01	24	62	514	12	160
ORANGEBURG	00	2	-	85	-	23
	01	4	2	75	3	24
	02	2	47	17	13	7
	03	8	3	110	3	37
	04	3	3	66	2	22
	05	10	27	655	28	69
	06	2	22	23	11	10
	07	2	5	47	5	13
	08	2	50	19	30	29
PICKENS	01	28	16	467	16	199
RICHLAND	01	50	92	1,470	74	630
	02	14	27	427	22	131
SALUDA	01	4	5	128	5	41
SPARTANBURG	00	3	-	10	-	8
	01	9	4	170	2	50
	02	10	14	244	10	67
	03	7	6	134	12	70
	04	4	4	120	4	45
	05	7	4	218	4	70
	06	14	11	367	11	77
	07	15	75	667	22	111
SUMTER	00	1	-	22	-	11
	02	14	14	578	11	116

STATEWIDE COMPUTER EQUIPMENT REPORT BY DISTRICT FOR 1987-88

COUNTY	AREA OR DIST	NO. OF SCHOOLS	NO. OF COMPUTERS		NO. OF PRINTERS	
			DISTRICT	SCHOOLS	DISTRICT	SCHOOLS
SUMTER	17	9	21	295	21	120
UNION	01	12	11	244	6	70
WILLIAMSBURG	01	15	11	491	10	110
YORK	01	7	8	212	6	79
	02	7	4	275	4	62
	03	21	13	567	11	183
	04	4	9	129	5	18
FELTON LAB	04	1	-	7	-	2
JOHN DE HOWE	05	2	-	7	-	4
WIL LOU GRAY	06	1	50	50	32	32
SC SCHOOLS FOR BLIND/DEAF	07	5	-	-	-	-
YOUTH SERVICES	08	3	5	126	4	54
TOTAL S		1,106	1,931	29,766	1,160	8,966

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:

A. 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 use.

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.

B. 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>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ABBEVILLE Mrs. Lee R. Murphy Math Coordinator 500 Chestnut Street Abbeville, SC 29620 Phone: 459-5427	COMP. LIT.	K-12	Apple IIe/Gs	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 computers for instruction. Grades 1-8 EIA C/R students use CCC for CAI for supplementary work.
	COMP. PROG.	11-12	Apple IIe	
	READ/LANG.	K-12	Apple IIe/Gs/CCC	
	SCIENCE	K-12	Apple IIe/Gs	
	MATHEMATICS	K-12	Apple IIe/Gs/CCC	
	SOC. STUDIES	K-12	Apple IIe/Gs	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	K-12	Apple IIe/Gs	
	BUS. EDUC.	9-12	Apple IIe	
VOC. EDUC.	9-12	Apple IIe		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS More computers and printers. Possible expansion of CCC for compensatory/remedial students.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	112	90	8	14	60
DISTRICT OFFICE:	5	0	5	0	5

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>	
SCHOOL COMPUTERS					
AIKEN Dal Stanley Dir., Instr. Technology P. O. Box 1137 Aiken, SC 29801 Phone: 648-1311					
TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	1,393	1,273	98	22	305
DISTRICT OFFICE:	29	0	0	29	22

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ALLENDALE Gary West Fed. Proj. Coord./ Dir., Technology P.O. Box 458 Allendale, SC 29810 Phone: 584-4603	COMP. LIT.	1-12	IBM PC/PCjr/ Apple IIe/NCR	IBM PC's 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, Chapter 1, and Chapter 2 funds. IBM PCjr's and Compaq computers are used for district administration; NCR for Pathways.
	COMP. PROG.	9-12	IBM PC	
	READ./LANG.	1-12	IBM PC/PCjr/NCR/ Apple IIe/DEC/ Rainbow 100	
	SCIENCE	1-12	IBM PCjr/Apple IIe	
	MATHEMATICS	1-12	IBM PCjr/Apple IIe/ Standard 286	
	SOC. STUDIES	1-12	IBM PCjr/Apple IIe/ Standard 286	
	TOOL	1-12/ Adult Ed.	IBM PV/PCjr/NCR	
BUS. EDUC.	9-12	IBM PC/PCjr/NCR		
OTHER	Sp. Ed.	IBM PC/PCjr/NCR/ Standard 286		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>
	NCR PC/810's with color adapters are being added to Chapter 1 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 Systems as that system is implemented at classroom level

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	156	120	8	28	24
DISTRICT OFFICE:	9	0	9	0	7

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ANDERSON 1 Steve Uldrick Business Manager P. O. Box 99 Williamston, SC 29697 Phone: 847-7344				

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	225	207	18	0	43
DISTRICT OFFICE:	271	253	18	0	41

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ANDERSON 2 Bill Eaves District Computer & Test Cordinator Route 2 Honea Path, SC 29654 Phone: 369-7364	COMP. LIT.	1-12	Apple IIe	- Chapter 1 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.
	COMP. PROG.	1-12	Apple IIe	
	READ./LANG.	1-12	Apple IIe/IIGs	
	SCIENCE	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	SOC. STUDIES	1-12	Apple IIe	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	1-12	Apple IIe	
BUS. EDUC.	9-12	Apple IIe		
VOC. EDUC.	9-12	Apple IIe		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS Continuation of the same and expand.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	140	130	10	0	44
DISTRICT OFFICE:	4	0	4	0	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ANDERSON 3 Don Beck Computer/CMS Coord. P.O. Box 118 Iva, SC 29655 Phone: 352-6175	COMP. LIT.	2-12	Apple IIe/IBM	Computer literacy is taught starting 2nd grade. Students and teachers use MECC software in all grades.
	COMP. PROG.	11-12	Apple IIe/IBM	
	READ./LANG.	K-12	MS-DOS/Apple IIe	
	SCIENCE	K-12		
	MATHEMATICS	K-12		
	SOC. STUDIES	K-12		
	FOREIGN LANG.	K-12		
TOOL	11-12	IBM		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS Plan on purchasing five (5) 386 machines and twenty (20) 286 machines with additional printers and accessories under CMS Pilot.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	166	128	18	44	24
DISTRICT OFFICE:	4	0	4	0	3



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>	
SCHOOL COMPUTERS					
ANDERSON 4					
Sarah Powell Computer Coord. P.O. Box 545 Pendleton, SC 29670 Phone: 646-7597					
TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	67	62	5	0	20
DISTRICT OFFICE:	1	0	1	0	1

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ANDERSON 5	COMP. LIT.	9-12	Apple IIe/IIc	Students at all levels 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 offer courses in keyboarding, word processing, and computer science.
Patricia Spaid	COMP. PROG.	11-12	Apple IIe/IIc	
Math/Sci./Comp. Coord.	READ./LANG.	1-12	Apple IIe/IIgs/ IBM PCjr	
P.O. Box 439	SCIENCE	1-12	Apple IIe/IIgs/ IBM PCjr	
Anderson, SC 29622	MATHEMATICS	1-12	Apple IIe/IIgs/ IBM PCjr	
Phone: 224-2173	SOC. STUDIES	1-12	Apple IIe/IIgs	
	FOREIGN LANG.	1-12	IBM PC/ Apple IIe/IIgs	
	TOOL	1-12	IBM PC/ Apple IIe/IIgs	
	BUS. EDUC.	10-12	IBM PC	
	VOC. EDUC.	11-12	TRS-80	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Two Writing to Read labs will be piloted during 1988-89. Graduated courses in computer applications.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	443	359	42	25	145
DISTRICT OFFICE:	13	0	10	3	13

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

BAMBERG 1
 Mrs. B. L. Nicholson
 Bookkeeper/
 OSIRIS Coordinator
 P.O. Box 526
 Bamberg, SC 29003
 Phone: 245-2658

No new activities.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	94	78	15	1	51
DISTRICT OFFICE:	2	0	2	0	2

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

BAMBERG 2
 Robert L. Jefferson
 Director of Curriculum
 P.O. Box 345
 Denmark, SC 29042
 Phone: 793-3346

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	96	96	0	0	35
DISTRICT OFFICE:	4	0	3	1	5



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
BARNWELL 19 Maria Jameson Pathways Coordinator P.O. Box 185 Blackville, SC 29817 Phone: 284-2234	COMP. LIT.	K-12	Apple IIe/II/TI/Comm	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.
	COMP. PROG.	9-12	Apple IIe	
	READ./LANG.	K-12	Apple IIe	
	SCIENCE	4-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe	
	SOC. STUDIES	4-12	Apple IIe	
	TOOL	10-12	IBM	
	BUS. EDUC.	9-12	IBM	
	EXCEPT ED.	K-12	TI/Apple IIe	

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	95	90	1	4	22
DISTRICT OFFICE:	4	0	2	2	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
BARNWELL 29 Brenda Aldrich Instructional Supervisor Drawer 508 Williston, SC 29853 Phone: 266-3701	COMP. LIT.	9-12	IBM PC	Elementary students receive instruction for thirty minutes every other week on math software. Middle school students use computers in language arts and math classes teachers' discretion. High school students receive computer literacy, word processing, data and spreadsheet instruction
	COMP. PROG.			
	READ./LANG.	3-8	Apple IIe	
	SCIENCE			
	MATHEMATICS	1-12	Apple IIe	
	SOC. STUDIES			
	FOREIGN LANG.			
	TOOL	9-12	IBM PC	
	BUS. EDUC.	9-12	IBM PC	
VOC. EDUC.				
OTHER				

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	We plan to purchase the WICAT program and receive training in the fall of 1988. Middle and high school remedial students will begin to receive reading and math instruction using the WICAT computer program in the fall of 1988.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	69	60	6	3	21
DISTRICT OFFICE:	4	0	4	0	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
BARNWELL 45 Chris Fallaw Computer Coordinator 2008 Hagood Avenue Barnwell, SC 29812 Phone: 259-3446	COMP. LIT.	3-12	Apple/Comm/ IBM	Apple IIe and Commodore. Used in Compensatory Reading & Math (EIA & Chapter I); IBM Jr's & Apple IIe's are used in classrooms 3-8; IBM, Laser, Apple & Softex used in classrooms 9-12. Administration uses IBM XT, NCR and Sperry. Handicapped students use Apple IIe and Epson Speech Pac. OSIRIS is used in all schools.
	COMP. PROG.	11-12	IBM/Laser	
	READ./LANG.	1-8	Apple	
	SCIENCE	6-8	Apple	
	MATHEMATICS	1-8		
	SOC. STUDIES	6-8		
	TOOL	10-12	Laser/IBM/ Apple	
BUS. EDUC.	9-12	Laser/IBM/ Apple		
VOC. EDUC.	11-12	Softex		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>	
	Literacy	All grades
	Train additional personnel in Osiris.	All schools

Expand Osiris programs at all schools. Use Incentive Award money for purchase of additional computers. Consider network between schools.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	123	108	13	2	31
DISTRICT OFFICE:	2	0	2	0	2

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
BEAUFORT Anne S. Barton Reading/Language Arts Supervisor P.O. Box 309 Beaufort, SC 29902 Phone: 524-2660	COMP. LIT.	K-3, 7-8	Apple IIe/IIc/Gs	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.
	COMP. PROG.	9-12	TRS-80/Apple IIe	
	READ./LANG.	1-6	Apple IIe/IIc	
	SCIENCE	10-12	Apple IIe	
	MATHEMATICS	1-6	Apple IIe	
	SOC. STUDIES	1-6	Apple IIe	
	FOREIGN LANG.	10-12	Apple IIe	
	TOOL	7-8	Apple IIe	
	BUS. EDUC.	10-12	Apple IIe	
VOC. EDUC.	10-12	Apple IIe		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>	
	Curricula definition and solidification	7-12

Computer literacy program to be standardized in grades 7-8. Secondary school will offer programming and application. Elementary school will continue implementing program and activities developed during school year 87-88.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	379	318	45	16	154
DISTRICT OFFICE:	24	0	24	0	22



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
BERKELEY Anna B. Godbee Computer Coordinator P.O. Box 608 Moncks Corner, SC 29461 Phone: 761-8600	COMP. LIT.	7-12	Apple IIe	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 for CAI and drill.
	COMP. PROG.	7-12	Apple IIe	
	READ./LANG.	K-12	Apple IIe	
	SCIENCE	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	SOC. STUDIES	1-12	Apple IIe	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	9-12	Apple IIe	
	BUS. EDUC.	9-12	Apple IIe	
VOC. EDUC.	9-12	Apple IIe/ Terac		
OTHER	1-12	Apple IIe		

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	Expand Prescription Learning Labs into other schools. Expand CCC labs as needed. Install computer curculation and catalog into selected school libraries. Implement CMS Project in six selected schools.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	1,335	1,065	77	193	334
DISTRICT OFFICE:	41	18	22	1	25

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
CALHOUN Cindy Burt Admin. Asst. P.O. Box 215 St Matthews, SC 29135 Phone: 655-7310				

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	69	43	24	1	37
DISTRICT OFFICE:	5	0	5	0	5

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
CHARLESTON Beverly A. Johnson Computer Ed. Coordinator 3 Chisolm Street Charleston, SC 29401 Phone: 722-8461, Ext. 306	COMP. LIT.	6-9	Apple IIe/IIgs	MECC software is supplied to all schools for the purpose of integrating computers into the curriculum. CAI math provides the CCC Minicomputer SYstem for drill and practice. Computer managed instruction hardware and software is provided for all elementary school math and language arts and for middle school math. Remedial and compensatory computer programs have been implemented in grades K-12. Logo, Basic, and Pascal programming is taught. Special education teachers use computerized IEP's. Business education programs include word processing, data processing, accounting, keyboarding and office procedures. Keyboarding instruction is encouraged at all grade levels.
	COMP. PROG.	11-12	Apple IIe/ Macintosh	
	READ./LANG.	1-5	Apple IIe/IIgs	
	MATHEMATICS	1-5	CCC/Apple IIe	
	BUS. EDUC.	9-12	IBM/Tandy	
	VOC. EDUC. OTHER	9-12	IBM/Tandy	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Elementary - develop a curriculum guide for K-5 featuring Logo (LogoWriter), Computer Applications, and computer assisted instruction (Summer 89)

Middle - continue to upgrade labs to two drives and 128K and promote integration of computers into the curriculum-particularly in the area of writing.

Secondary - Revise curriculum guide for "Introduction to Computers" at all high schools. Continue to encourage utilization of "Introduction to Structured Programming (Pascal)" and develop guide for "AP Computer Science A" (summer 89).

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	2,351	1,915	192	238	901
DISTRICT OFFICE:	129	0	116	13	103

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

CHEROKEE
Dr. Elizabeth Pitts
Asst. Supt., Instruction
Box 460
Gaffney, SC 29342
Phone: 489-0261

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	400	343	40	17	99
DISTRICT OFFICE:	6	0	6	0	6

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
CHESTER James F. Poarch Dir., Computer Services 121 Columbia Street Chester, SC 29706 Phone: 385-6122	COMP. LIT.	9-12	Apple IIe	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 0-12. 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. Training for teachers has been conducted in one course from USC.
	COMP. PROG.	9-12	Apple IIe	
	READ./LANG.	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	TOOL	9-12	Apple IIe	
VOC. EDUC.	9-12	IBM PC-AT		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Replacement of outdated computer systems will be emphasized in grade 8. Expansion of grade 9-12 programming laboratory by four computers and two printers each will allow more flexibility in the curriculum. Additionally, projection screens will be used for instructional purposes within all laboratories utilizing the Apple IIs computer. 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. (Training for teachers will continue with one course from USC.)

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	333	296	31	6	112
DISTRICT OFFICE:	14	0	14	0	13

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
CHESTERFIELD John W. Wagnon Dir. of Teacher Evaluation 401 West Blvd. Chesterfield, SC 29709 Phone: 623-2175	COMP. LIT.	5-12	TRS-80 III/ Apple IIe	Elementary schools are actively seeking outside sources of funding to acquire Apple units for instructional uses.
	COMP. PROG.	7-12	TRS-80 III/ Apple IIe	
	READ./LANG.	2-12	Apple IIe/ CCC-SLS/II	
	SCIENCE	5-12	Apple IIe	
	MATHEMATICS	2-12	Apple IIe/ CCC-SLS/II	
	TOOL	9-12	TRS-80/Apple IIe/ Tandy 1000	
	BUS. EDUC.	9-12	TRS-80/Apple IIe/ Tandy 1000	
VOC. EDUC.		TRS-80/Apple IIe Tandy 1000		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

IBM-compatible labs with 15 networked workstations are planned for each high school to enhance a planned, structured curricular offering.

The district has installed networked PC's in the high school for administrative (OSIRIS) use. A district electronic mail/bulletin board system connects all 16 schools in the district with the district office.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	492	443	28	21	101
DISTRICT OFFICE:	8	0	6	2	6

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
CLARENDON 1 Omega D. Hilton Director of Instruction Box 38 Summerton, SC 29148 Phone: 485-2600	COMP. LIT.	8	Apple IIe	There have been no changes in this year's computer programs.
	READ./LANG.	6-11	Apple II/Ile	
	MATHEMATICS	6-11	Apple II/Ic	
SCHOOL & DISTRICT OFFICE COMPUTERS	<u>FUTURE PLANS</u>			Additional computers, will be purchased at the high school to assist students with basic skills remediation.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	35	33	2	0	5
DISTRICT OFFICE:	4	0	4	0	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
CLARENDON 2 Dr. Sylvia H. Weinberg Assist. Supt., Instr. P.O. Box 1252 Manning, SC 29102 Phone: 435-4434	COMP. LIT.	10	TRS-80	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 in classes for gifted students. Review software for total curriculum through Material Center.
	COMP. PROG.	10	TRS-80	
	READ./LANG.	1-12	Apple IIe	
	SCIENCE	9-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	FOREIGN LANG.	9-12	Atari	
	BUS. EDUC.	9-12	TRS-80	
	VOC. EDUC.	9-12	TRS-80	
MATERIAL CTR.	K-12	Apple IIe		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>	
	Keyboarding	1-8
	Computer Labs	1-6
	Grants has been written to replace TRS-80 with IBMs in business education.	

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	155	147	6	2	32
DISTRICT OFFICE:	5	0	5	0	7

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
CLARENDON 3 Betty Coker Computer Coordinator Drawer 270 Turbeville, SC 29162 Phone: 659-2188	COMP. LIT.	9-12	Apple IIe	Students who have been identified as meeting the criteria for placement in compensatory programs receive remedial help in mathematics and reading through the use of selected computer programs.
	COMP. PROG.	6-8/ Gifted	Kaypro	
	READ./LANG.	2-5	Apple IIe	
	MATHEMATICS	2-5	Apple IIe	
	TOOL	6-8/ Gifted	Kaypro	
	VOC. EDUC.	9-12	Apple IIGs	

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	58	56	2	0	17
DISTRICT OFFICE:	5	0	4	1	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
COLLETON Charles Gale Computer/Testing Coord. P.O. Box 290 Walterboro, SC 29488 Phone: 538-5538	COMP. LIT.	9-12	Apple IIe	Secondary computer programs are in operation at the vocational center, Ruffin High School, and Walterboro High School. Middle school programs are in operation at both middle schools A and B - eight computers have been added in 1987-88. Three elementary schools received eight computers each during 1987-88.
	COMP. PROG.	9-12	Apple IIe/Softtek/Laser EX/NCR/TRS-80 (I-IV)	
	READ./LANG.	1-12	Apple IIe/TRS-80/II	
	SCIENCE	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe/TRS-80	
	SOC. STUDIES	1-12	Apple IIe	
	FOREIGN LANG. TOOL	9-12	Apple IIe	
BUS. EDUC.	11-12	Softtek/AT&T		
VOC. EDUC.	11-12	Softtek/AT&T		

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	Elementary schools have some computers, but are inadequately supplied. An effort will be made in 1988-89 to complete grades 4-5 (three additional schools). The needs of K-3 will be addressed in 1989-90.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	254	176	22	56	79
DISTRICT OFFICE:	3	0	2	1	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
DARLINGTON Diane Sigmon Computer Coordinator 102 Parks Street Darlington, SC 29352 Phone: 393-0404	COMP. LIT.	7-12	Apple IIe/Radio Shack	
	COMP. PROG.	9-12	Apple IIe/Radio Shack	
	READ./LANG.	K-12	IBM PC jr/Apple IIe	
	SCIENCE	5-6	IBM PC jr/Apple IIe	
	MATHEMATICS	1-12	IBM PC jr/Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	Writing to Read labs in all elementary schools. Additional Prescription Learning labs for compensatory and remedial. District-wide bulletin board system for administrative use.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	540	468	39	33	225
DISTRICT OFFICE:	33	0	24	9	24

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
DILLON 1	READ./LANG.	5-7	Apple IIe	
Stephen Laird	SCIENCE	9-12	Apple IIe	
Asst. Supt.	MATHEMATICS	5-12	Apple IIe	
Box 644	SOC. STUDIES	9-12	Apple IIe	
Lake View, SC 29563	BUS. EDUC.	10-12	TRS-80	
Phone: 759-2882	GIFT/TALENTED	3-10	Apple IIe	

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	38	36	1	1	1
DISTRICT OFFICE:	1	0	1	0	1

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
DILLON 2	COMP. LIT.	K-12	Apple IIe	Used for remediation and for gifted and talented students. Computer programming is available for business students.
R. J. Roquemore, Jr.	COMP. PROG.	11-12	Apple IIe	
Superintendent	READ./LANG.	1-12	Apple IIe	
401 Washington St. West	SCIENCE	1-12	Apple IIe	
Dillon, SC 29536				
Phone: 774-1200				

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS Possible use of a district wide CAI curriculum.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	188	161	16	11	81
DISTRICT OFFICE:	6	0	3	3	4

<u>DISTRICT/CONTACT</u>	<u>INSTR USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

DILLON 3
 Robert L. McBryde, Jr.
 Asst. Supt.
 Box 458
 Latta, SC 29565
 Phone: 752-7101

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	80	77	3	0	9
DISTRICT OFFICE:	3	0	3	1	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

DORCHESTER 2
 Richard D. Seastrunk
 102 Greenwave Blvd.
 Summerville, SC 29483
 Phone: 873-6104

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	505	444	45	15	156
DISTRICT OFFICE:	14	0	14	0	8

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>	
SCHOOL COMPUTERS					
DORCHESTER 4 Maxcy Gregg Computer Coordinator 500 Ridge St. St. George, SC 29477 Phone: 563-4535	READ./LANG. MATHEMATICS	Elem. Sec.	Apple IIe Apple IIe		
TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	118	88	13	17	38
DISTRICT OFFICE:	3	1	0	2	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
EDGEFIELD Charles L. Wilkes DP Manager P.O. Box 608 Edgefield, SC 29824 Phone: 275-4601	COMP. LIT. COMP. PROG. TOOL BUS. EDUC. VOC. EDUC.	K-12 7-12 9-12 9-12 9-12	IBM S/36/ IBM PC/Apple IBM S/36/ IBM PC/Apple IBM PC IBM PC IBM PC/Apple	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 Dept. of Education for the Teacher Certification project and for both high school and vocational SCOIS program via a PC/AT and modem. Adult Ed. night classes are learning word processing, computer concepts, and BASIC programming skills on S/36 and PC's.

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>				
	Currently installing classrooms (3) with computers from Computer Curriculum Corp. (CCC) for remediation of basic skills.				
TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	240	212	14	14	57
DISTRICT OFFICE:	5	0	5	0	7

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

FAIRFIELD
 Harold Scarbro
 Chapter 1 Coord./Test. Dir.
 Drawer 622
 Winnsboro, SC 29180
 Phone: 635-4607

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	213	195	17	1	48
DISTRICT OFFICE:	14	6	8	0	12

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

FLORENCE 1	COMP. LIT.	K-12	Apple IIe/ MS-DOS	All students have access to computers.
Thomas G. Fritchard Director, Testing, and Information Management	COMP. PROG.	9-12	Apple IIe/ MS-DOS	
319 S. Dargan Street	READ./LANG.	1-6	Apple IIe	
Florence, SC 29501	SCIENCE	1-6	Apple IIe	
Phone: 664-8151	MATHEMATICS	1-12	Apple IIe	
	TOOL	9-12	Apple IIe/ MS-DOS	
	VOC. EDUC.	9-12	MS-DOS	

SCHOOL & DISTRICT OFFICE COMPUTERS	<u>FUTURE PLANS</u>	Additional training of teachers and administrators.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	620	552	36	32	139
DISTRICT OFFICE:	15	0	11	4	13

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
FLORENCE 2 E. Lanie Hyman Director, Instruction Route 1, Box 36B Pamplico, SC 29583 Phone: 493-2502	COMP. LIT.	5-12	Apple IIe/ Franklin	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.
	COMP. PROG.	9-12	Apple IIe	
	READ./LANG.	K-12	Apple IIe/ Franklin/CCC	
	SCIENCE	1-12	Apple IIe/ Franklin	
	MATHEMATICS	1-12	Apple IIe/ Franklin	
BUS. EDUC.	9-12	Apple IIe		

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	72	63	5	4	26
DISTRICT OFFICE:	4	0	4	0	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
FLORENCE 3 Christopher A. Guerrieri Assistant Superintendent Drawer 128 Lake City, SC 29560 Phone: 394-8652	COMP. LIT.	El/Sec	IBM/Apple	
	COMP. PROG.	El/Sec	IBM/Apple	
	READ./LANG.	2-8	CCC/Apple	
	SCIENCE	2-12	Apple	
	MATHEMATICS	2-12	Apple	
	SOC. STUDIES	2-12	Apple	
	BUS. EDUC.	10-12	IBM	
VOC. EDUC.	10-12	IBM		

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	260	181	29	50	27
DISTRICT OFFICE:	60	50	10	0	52



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
FLORENCE 4 Dr. James Archie Director 112 S. Kershaw Street Timmonsville, SC 29161 Phone: 346-7213	COMP. LIT.	10	TRS-80	1. Reinforcement of basic skills in reading and mathematics (K-12)
	COMP. PROG.	10-12	IBM PCjr	
	READ./LANG.	K-12	Apple/CCC/ Digital	2. Business applications, programming (BASIC) literacy and CAD (computer-aided design) in 10-12 vocational classes.
	MATHEMATICS	K-12	Apple/CCC/ Digital	
	TOOL	10-12	IBM PCjr	
BUS. EDUC.	10-12	IBM PCjr		
VOC. EDUC.	10-12	IBM PCjr		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Additional training in computer literacy will offered for all teachers in the district as an on-going program.

Perhaps the CCC/Microhost computers can be used for additional evening courses for instruction in math, reading, etc. to adults, etc.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	104	95	9	0	34
DISTRICT OFFICE:	71	64	7	0	25

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
FLORENCE 5 Richard Silvermail Teacher/Computer Coord. Drawer 98 Johnsonville, SC 29555 Phone: 386-2358				

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	75	68	6	1	22
DISTRICT OFFICE:	2	0	2	0	1

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS.				
GEORGETOWN Richard E. Toemmes Director, M.I.S. 624 Front Street Georgetown, SC 29440 Phone: 527-1338	COMP. LIT.	K-12	AppleIIe/IBM/ Laser/Atari/ Commodore	Students in grades K-12 all experience some computer usage. All middle schools are equipped with learning labs. Elementary student computer experience are integrated into existing instructional program. Secondary students experience computer use from word processing to computer repair.
	READ./LANG.	K-12	Apple IIe/ IBM PC/ Atari	
	SCIENCE	K-12	Apple IIe/ IBM PC/ Atari	
	MATHEMATICS	K-12	Apple IIe/ IBM PC/ Atari	
	SOC. STUDIES	K-12	Apple IIe/ IBM PC/ Atari	
	TOOL	6-12	Apple IIe/ IBM PC	
	BUS. EDUC. VOC. EDUC.	10-12 10-12	IBM PC IBM PC	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

During 1988-89 school year, all high schools and elementary schools will have CCC learning labs.

Emphasis next year will be on more extensive use of BSAP correlated software material.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTE.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	362	317	31	14	129
DISTRICT OFFICE:	69	28	39	2	29



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
GREENVILLE Horace Butler Computer Consultant P.O. BOX 2848 Greenville, SC 29602 Phone: 242-6450	COMP. LIT.	K-12	Apple/IBM PCjr	Computers are used K-12 for CAI, CMI, computer literacy, and computer service.
	COMP. PROG.	6-12	Apple/IBM PCjr	
	READ./LANG.	K-12	Apple	
	SCIENCE	6-12	Apple	
	MATHEMATICS	K-12	Apple	
	SOC. STUDIES	K-12	Apple	
	FOREIGN LANG.	6-12	Apple/WICAT	
	TOOL	4-12	Apple	
	BUS. EDUC.	9-12	IBM PC	
	VOC. EDUC.	9-12	IBM PC	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Networked systems including Macintosh and Apple IIs.

Beginning August 1988, the school district will investigate an integrated approach to computer learning and teaching. All consultants at all levels will engage in distributive computer training for subject area teachers K-12.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	2,224	1,943	131	149	740
DISTRICT OFFICE:	120	0	120	0	35

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
GREENWOOD 50	COMP. LIT.	1-12	Apple II/Ie	WICAT lab at Southside Junior High installed January, 1988. EIA math and reading labs at Greenwood High are in continued use for remediation.
Belinda Bennett	COMP. PROG.	10-12	Apple II/Ie	
Computer Tech./Pathways	READ./LANG.	1-12	Apple II/Ie	
Michael McKenzie	SCIENCE	1-12	Apple II/Ie	
Assoc. Supt., Instr.	MATHEMATICS	1-12	Apple II/Ie	
P.O. Box 248	SOC. STUDIES	2-12	Apple II/Ie	
Greenwood, SC 29648	FOREIGN LANG.	7-9	Apple II/Ie	
Phone: 223-4348	TOOL	4-12	Apple II/Ie	
	BUS. EDUC.	10-12	Apple II/Ie	
	VOC. EDUC.	10-12	IBM PC	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

- Continued use and acquisition of Apples for inst. software;
- Participation in SDE's CMS Project (7 pilot schools); and
- Expansion of WICAT Lab to two (2) junior highs.

District will continue to focus on adm. uses of computers and application for teachers. CAI will be a major thrust for instruction through literacy, keyboarding (PAWS), word processing (Bank Street Writer), LOGO for 5-6 geometry, Appleworks, MECC, and other programs. Administrative networking is also planned for the district office.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	308	251	34	23	84
DISTRICT OFFICE:	18	0	14	4	17

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

GREENWOOD 51
John Bone
Supv. of Special Prog.
42 Sparks Avenue
Ware Shoals, SC 29692
Phone: 456-7496

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	31	27	4	0	5
DISTRICT OFFICE:	2	0	2	0	2

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

GREENWOOD 52
Marilyn P. Rieger
Curriculum Coordinator
119 S. Cambridge Street
Ninety Six, SC 29666
Phone: 543-3448

Elementary students use computers in all classrooms, in compensatory programs, and for publication of a student newsletter. At the middle school level, CAI is used to reinforce regular instruction and in Chapter 1. Secondary students use computers in business education, science, and social studies classes, in remediation programs and for SAT preparation. Students in the gifted program in grades 2-10 use computers in a variety of way: including word processing, programming, and simulations.

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>
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Continue participation in Pathways project at all schools. Maintain and refine present uses of computers.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	55	45	7	3	24
DISTRICT OFFICE:	2	0	2	0	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
HAMPTON 1 A. Randall Vaughn Deputy Supt. P.O. Box 177 Hampton, SC 29924 Phone: 943-4576	COMP. LIT.	K-8	Apple IIe	All schools in the district are running OSIRIS The compensatory/remedial/Chapter 1 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 their EIA classification.
	COMP. PROG.	9-12	IBM/Apple	
	READ./LANG.	K-12	IBM/Apple	
	SCIENCE	K-12	IBM/Apple	
	MATHEMATICS	K-12	IBM/Apple	
	TOOL	9-12	IBM	
	BUS. EDUC.	9-12	IBM	
VOC. EDUC.	9-12	IBM		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>
	We are planning to install a network system at Hampton Elementary. Our plans are to expand the number of computers in the district, develop lab spaces now that we have added classroom space at all schools in the district with exception of the high school, and continue to monitor the CMS work for inclusion in our district.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	148	133	15	0	11
DISTRICT OFFICE:	1	0	0	1	1

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
HAMPTON 2 Jack Diamond Director, Evaluation P. O. Box 1028 Estill, SC 29918 Phone: 625-2875	COMP. LIT.	9-12	Apple IIe/IIc	Middle and secondary schools have math and reading computer labs for remediation.
	COMP. PROG.	11-12	Apple IIe/IIc	
	READ./LANG.	1-12	Apple IIe/IIc	
	SCIENCE	1-12	Apple IIe/IIc	
	MATHEMATICS	1-12	Apple IIe/IIc	
	SOC. STUDIES	1-12	Apple IIe/IIc	
	FOREIGN LANG.	1-12	Apple IIe/IIc	
	BUS. EDUC.	10-12	Apple IIe/IIc	
VOC. EDUC.	10-12	Apple IIe/IIc		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>
	Increase computer literacy of all teachers Training to be provided by Beaufort TEC.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	138	131	3	4	64
DISTRICT OFFICE:	5	0	3	2	5



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
HORRY Laura D. Blanchard Library/Media Coord. P. O. Drawer 1739 Conway, SC 29526 Phone: 248-2206	COMP. LIT.	K-12	Apple IIe/IIgs	Elementary - Write to Read, CCC, local computer curriculum
	COMP. PROG.	9-12	Apple IIe/IIgs	
	READ./LANG.	K-12	Apple IIe/IIgs/ IBM PC	Middle - CCC and Computronics
	SCIENCE	1-12	Apple IIe/IIgs	High - CCC, Computer Literacy, and Computer Programming
	MATHEMATICS	1-12	Apple IIe/IIgs	
	SOC. STUDIES	1-12	Apple IIe/IIgs	
	FOREIGN LANG.	9-12	Apple IIe/IIgs	
	TOOL.	1-12	Apple IIe/IIgs	
BUS. EDUC.	9-12	Apple IIe/IIgs		
VOC. EDUC.	9-12	Apple IIe/IIgs		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>
	Full implementation of Pathways Project.
	Computerized Card Catalog/Circulation in Library/Media Centers.
	Networking Osiris terminals in several schools.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	950	774	101	74	257
DISTRICT OFFICE:	75	0	75	0	52

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
JASPER Curtis Brantley Director, Operations P.O. Box 848 Ridgeland, SC 29936 Phone: 726-7200				

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	49	46	3	0	7
DISTRICT OFFICE:	10	0	10	0	7

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
KERSHAW Dr. Mary C. Norwood Hubert Court Camden, SC 29020 Phone: 432-8416	COMP. LIT.	9-12	TRS-80/ Apple IIe	Secondary students have the 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 two high schools. K-8 programs are provided in compensatory and remedial classes.
	COMP. PROG.	9-12	TRS-80	
	READ./LANG.	K-12	Apple IIe	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	TRS-80/ Apple IIe	
	SOC. STUDIES	K-12	Apple IIe	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	9-12	TRS-80/ Apple IIe	
	BUS. EDUC.	9-12	Apple IIe/ IBM PC	
	VOC. EDUC.	9-12	TRS-80/ IBM PC	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Training for staff members 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.

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 the middle and secondary levels.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	380	300	40	40	103
DISTRICT OFFICE:	21	0	21	0	19

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LANCASTER Bruce Harris Pathways Coordinator P.O. Drawer 130 Lancaster, SC 29720 Phone: 286-6975	COMP. LIT.	K-12	Apple IIe/Mac	Computer literacy involving basic computer instruction and exposure to word processing is taught at appropriate grade levels. Gifted and talented students are exposed to some degree to Pagemaker and to other creative applicati
	COMP. PROG.	9-12	Apple IIe/IBM	
	READ./LANG.	K-12	Apple IIe	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe	
	SOC. STUDIES	K-12	Apple IIe	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	7-12	Apple IIe/Mac/IBM	
	BUS. EDUC.	10-12	Apple IIe/IBM	
	VOC. EDUC.	10-12	Apple IIe/IBM	
GIFT/TALENT		Apple IIe/Mac		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Computer literacy will be emphasized to all grade levels as well as administrators. Also emphasis will be made as to the wide variety of software applications. We are currently in the process of purchasing a mainframe.

The need exists to network existing computers to create more effective computer labs. Hopefully, we will be able to install a bulletin board package within the next year.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	485	455	29	1	192
DISTRICT OFFICE:	7	0	7	0	10

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LAURENS 55 Russell R. Burns, Jr. Dir., Inf. & Data Serv. P.O. Box 38 Laurens, SC 29360 Phone: 984-3568				

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	204	180	10	14	48
DISTRICT OFFICE:	7	0	7	0	8

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LEE Kathy C. Jackson EIA Coordinator P.O. Box 507 Bishopville, SC 29010 Phone: 484-5391	COMP. LIT.	K-12	Apple/TRS-80	Computers are used in the elementary, middle, and secondary grade levels to assist students in language arts and mathematics remediation. Prescription Learning Labs are used in elementary, middle, and high schools for students in compensatory and Chapters 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.
	READ./LANG.	K-12	Apple/TRS-80	
	MATHEMATICS	K-12	Apple/TRS-80	

SCHOOL & DISTRICT OFFICE COMPUTERS	<u>FUTURE PLANS</u>	Expansion of computer-assisted instruction in grades K-12 with additional Apple microcomputers or computer labs.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	285	256	11	18	58
DISTRICT OFFICE:	4	0	4	0	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LEXINGTON 1 Rollin W. Mills Coordinator of Educational Assessments P.O. Box 1869 Lexington, SC 29072 Phone: 359-4178	COMP. LIT.	8-10	Apple IIe/IIc	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.
	COMP. PROG.	9-12	Apple IIe/IIc	
	READ./LANG.	1-12	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	BUS. EDUC.	9-12	IBM	

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>
	Update Governor's Remediation Labs. Computer literacy will continue to be taught at the middle school level. Keyboard will be implemented at the sixth-grade level. Computer labs will continue to be offered.
	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.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	341	289	28	24	129
DISTRICT OFFICE:	16	0	16	0	10



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LEXINGTON 2 Jimmy L. Quinn Dir., Computer Services 715 Ninth Street W. Columbia, SC 29169 Phone: 796-4708	COMP. LIT.	7	WICAT	The WICAT computer labs in middle schools and the Apple II labs in high schools provide most of the district's instructional computing. Although heavily used, the Apple computers in the elementary schools are too few to contribute greatly to the instructional program.
	COMP. PROG.	9-12	Apple II/IBM	
	READ./LANG.	1-12	Apple II/IBM PCjr/ NCR/WICAT	
	SCIENCE	1-12	Apple II/IBM PC	
	MATHEMATICS	1-12	Apple II/WICAT	
	SOC. STUDIES	1-12	Apple II	
	TOOL	9-12	Apple II/Softtek	
BUS. EDUC.	9-12	Apple II/Softtek		
VOC. EDUC.	9-12	Apple II/IBM		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

The district continues to compare laboratory models for instruction, believing that labs to offer greater value than single computers distributed throughout classrooms.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	428	356	44	28	187
DISTRICT OFFICE:	29	0	25	4	23

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LEXINGTON 3 Dr. William E. Black Assistant Superintendent 707 E. Columbia Ave. Batesburg, SC 29006 Phone: 532-9289	COMP. LIT.	9-12	CCC/Atari/ Apple II/Ile	
	READ./LANG.	2-8	CCC/Atari/ Apple II/Ile/ TRS-80	
	MATHEMATICS	2-8	Apple II/Ile/ TRS-80	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Basic Skills CCC Labs for grades 9-12.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	104	54	4	46	33
DISTRICT OFFICE:	2	0	1	1	1

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LEXINGTON 4 Assistant Superintendent P.O. Box 569 Swansea, SC 29160 Phone: 779-7373	COMP. LIT.	K-12	PS/2 System 30 LAN	
	COMP. PROG.	10-12	PS/2 System 30 LAN	
	READ./LANG.	K-12	Apple/IBM/TT/Atari	
	SCIENCE	10-12	PS/2 System 30 LAN	
	MATHEMATICS	9-12	Atari/IBM	
	SOC. STUDIES	7-8	IBM	
	TOOL	9-12	PS/2 System 30 LAN	
	BUS. EDUC.	9-12	PS/2 System 30 LAN	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

All personnel will have access to an IBM network workstation by the summer of 1988 with word processing, flat-file databases, desktop publishing, spreadsheet utilization, and various other application software packages.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	78	48	13	17	15
DISTRICT OFFICE:	17	10	7	0	5



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
LEXINGTON 5 Aleda R. Anderson Coord., Computer Ed. P.O. Box 938 Ballentine, SC 29002 Phone: 781-0457	COMP. LIT.	1-12	*Apple II's and IBM PC's are used throughout the instructional program.	<p>Elementary: Computer experiences for students are integrated into the existing instructional program - second-grade students are introduced to word processing using LegoWriter as part of their language arts program and third- and fourth-grade build machines and integrate robotics using Lego TC Logo as part of their science activities.</p> <p>Middle/Jr.: Labs and individual classroom systems offer opportunities for word processing, CAI, and computer programming.</p> <p>Secondary: Students are introduced to desktop publishing through journalism and have access to the math/science computer lab. A remedial reading lab also offers opportunities for SAT preparation. Courses available include Introduction to Computers, Computer Science I (Basics), Computer Science II AP (Pascal), Word Processing, Data Processing, Keyboarding, Computerized Accounting, and Computer Assisted Drafting (CAD).</p> <p>The district has its own in-house maintenance and repair program implemented through the computer technology course (Vocational Education).</p>

SCHOOL & DISTRICT OFFICE COMPUTERS **FUTURE PLANS**

Appleworks Application - 6th grade
Expansion of LegoLogo Program
Desktop Publishing
Classroom-level instructional support
Graduate courses

Appleworks (word processing, spreadsheet, and database) will be integrated into the 6th grade curriculum as a tool for students, completing an instructional strand for each elementary grade level. Expansion of the LegoLogo Program will include 5th grade. Classroom level instructional support will include special-grade level workshops and two graduate credit computer courses offered at no cost to teachers (12 such courses have previously been offered). Desktop publishing will be included in the middle schools.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	584	482	44	58	151
DISTRICT OFFICE:	32	0	28	4	27

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
MCCORMICK Marsha DuPre Middle School Guidance Counselor P.O. Box 548 McCormick, SC 29835 Phone: 465-2435	COMP. LIT.	9-12	Apple IIe	Apple IIe's are used in all schools for instructional use. IBM PC's are used in the business education dept. at the high school level (9-12). NCR's are used at middle/high school-(administrative use).
	COMP. PROG.	9-12	Apple IIe	
	READ./LANG.	K-12	Apple IIe	
	SCIENCE	1-8	Apple IIe	
	MATHEMATICS	1-12	Apple IIe	
	SOC. STUDIES	1-12	Apple IIe	
	TOOL	9-12	IBM PC	
	BUS. EDUC.	9-12	IBM PC	
VOC. EDUC.	9-12	Apple IIe		
SPECIAL ED.		Apple IIe		

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	164	155	5	4	29
DISTRICT OFFICE:	2	0	2	0	2

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
MARION 1 James A. Blake Asst. Supt., Admin. 616 Northside Ave. Marion, SC 29571 Phone: 423-1811	COMP. LIT.	K-12	Apple IIe/IIgs/ TRS-80 III/IV	All elementary students are given access to computers on a limited basis Chapter 1 remedial and compensatory math students are receiving CAI using CCC (grades 3-12). Chapter 1 students in reading also use CAI with CCC. Students in grades 9-12 may also elect to take an introductory computer course and an introduction to Pascal.
	COMP. PROG.	9-12	Apple IIe/ TRS-80 III/IV	
	READ./LANG.	K-12	Apple IIe/IIgs/CCC	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe/IIgs/ CCC/TRS-80 III/IV	
	SOC. STUDIES	K-12	Apple IIe	
FOREIGN LANG.	9-12	Apple IIe		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>	
		To continue to more fully utilize the available technology.
	ALL	Expand the use of MECC materials. Additional computers and printers will be purchased.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	136	131	5	0	31
DISTRICT OFFICE:	8	0	7	1	8



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
MARION 2 Dr. William C. Foil Superintendent P.O. Box 689 Mullins, SC 29574 Phone: 526-2181	COMP. LIT.	9-11	Radio Shack Models. III/IV/Tandy 1000/ Apple IIe	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.
	READ./LANG.	4-11	Apple IIe	
	MATHEMATICS	3-11	Apple IIe	
	SOC. STUDIES			
	FOREIGN LANG.			
	TOOL			
BUS. EDUC.				
VOC. EDUC.				
OTHER				

SCHOOL & 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>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	226	213	5	8	39
DISTRICT OFFICE:	13	0	8	5	9

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
MARION 3 Rachel J. Mason Coord., Spec. Services P. O. Drawer 439 Rains, SC 29589 Phone: 423-2891	COMP. LIT.	9-12	TRS-80	Computers are available for use by students in individual classes, library computer centers and in special classes that are designed to remediate the math and reading of students who score below standard in areas of math and reading in grades 9-12.
	READ./LANG.	1-8	Apple IIe	
	SCIENCE	1-8	Apple IIE	
	MATHEMATICS	1-8	Apple IIe	
	SOC. STUDIES	1-8	Apple IIe	
	BUS. EDUC.	9-12	TRS_80	
VOC. EDUC.	9-12	Apple IIe		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Set up modems for contact with Columbia. Set up a computer network.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	51	49	2	0	21
DISTRICT OFFICE:	2	0	2	0	2

E-2



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
MARION 4 Jean W. Pearson Guidance Route 1, Box 499 Gresham, SC 29546 Phone: 362-0331	READ./LANG.	1-12	Apple IIe/ TRS-80/ Commodore 64	Britton's Neck High School currently participates in the Governor's Remedial Reading and Math Program. This program was monitored by Winthrop College during the 1986-87 school year.
	MATHEMATICS	1-12	Apple IIe/ TR-80/ Commodore 64	
	BUS. EDUC.	11-12	IBM Personal Typing System	
	VOC. EDUC. LIBRARY	11-12 8-12	Apple IIe Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

If funds are available, additional computers will be purchased by the Britton's Neck Elementary School.

Britton's Neck High School currently uses the Apple IIe located in the library to access SCOIS.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	9	8	1	0	8
DISTRICT OFFICE:	1	0	1	0	1

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
MARLBORO Herbert H. Gould Dir., Elem. & Mid. Sch. 122 Broad Street Bennettsville, SC 29512 Phone: 479-4016	COMP. LIT.	1-12	TRS-80 Models II, IV	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 1 students in grades 4-8. Counselors are using computers for career information and SAT practice activities. Computers are used for data processing, business management and drafting in grades 11-12.
	READ./LANG.	1-12	TRS-80 Mod. 4/ Apple IIe	
	MATHEMATICS		TRS-80 Models II, IV/ Apple IIe	
	BUS. EDUC. VOC. EDUC.		TRS-80 Model IV IBM PC/ IBM Model 30	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

The school district staff development plans are designed toward the appropriate software.

The district office plans to maintain personnel records, instructional inventories and internal accounts. We also plan to participate in a program to reduce paperwork.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	296	275	17	3	51
DISTRICT OFFICE:	5	0	5	0	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
NEWBERRY Robert L. Hollis Director, Instr./Curr. P.O. Box 718 Newberry, SC 29108 Phone: 276-3216	COMP. LIT.	4-8	Apple IIe	Math/Reading 4-6 Apple IIe
	COMP. PROG.	11-12	TRS 80	All state comp/rem students.
	READ./LANG.	4-8	Apple IIe	
	SCIENCE	9-12	Apple IIe	Math/Science 9-12 Apple IIe
	MATHEMATICS	4-12	Apple IIe	All 10-12 grade math/science students.
	SOC. STUDIES			
	FOREIGN LANG.			
	TOOL	10-12	TRS 80	Math 9 Apple IIe
	BUS. EDUC.	10-12	TRS 80	State remedial students.
				Programming 11-12 TRS-80
			11th & 12th grade C.P. students.	
			Tool 10-12 TRS-80	
			10th-12th grade Vocational students	
			Comp. Lit. 3-8 Apple IIe	
			Gifted/talented students-summer program.	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Apple IIe abs in all schools for CAI, math, and science.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	229	205	23	1	71
DISTRICT OFFICE:	6	0	6	0	6

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
OCONEE Joseph A. Rukat, Jr. Mathematics Coordinator P O. Box 220 Courthouse Annex Walhalla, SC 29691 Phone: 638-4059	COMP. LIT.	K-12	Commodore/ Apple/IBM	<p>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.</p> <p>Middle/Junior: In the middle school area, we continue to emphasize literacy, but begin to address programming. At the present time, 75 percent of our middle schools are using a laboratory environment. Oconee County is participating in the State Vocational Education Consortium Program. Through this program, Oconee has been able to order a total of 70 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 eighth-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.</p> <p>High School: In the secondary schools, every school has a laboratory. In addition, 75 percent of the high schools are networked for administrative purposes.</p>
	COMP. PROG.	9-12	Commodore/ Apple/IBM	
	READ/LANG.	K-12	Commodore/Apple	
	SCIENCE	K-12	Commodore/Apple	
	MATHEMATICS	K-12	Commodore/Apple	
	TOOL	9-12	IBM	
	BUS. EDUC.	9-12	IBM	
	VOC. EDUC.	9-12	IBM	
OTHER				

SCHOOL & 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 continue 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>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	514	425	64	25	160
DISTRICT OFFICE:	62	41	21	0	12

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ORANGEBURG 1 Mrs. Vernon W. Williams P.O. Box 337 Springfield, SC 29146 Phone: 258-3418	COMP. PROG.	11-12	TRS-80/NCR/ IBM	High schools utilize the OSIRIS software for maintaining attendance, scheduling classes, and grade reporting. Apple computers are used for instruction in reading/language arts, science, math (computer lab for remedial students), and in the vocational classes. A computer with SAT/PSAT diskettes is available in the guidance office for use by students.
	READ./LANG.	1-12	Apple IIe	
	SCIENCE	9-12	TRS-80/NCR/ Apple IIe	
	MATHEMATICS	3-12	Apple IIe	
	TOOL	11-12	TRS-80/NCR/ IBM	
VOC. EDUC.	9-12	Apple IIe		

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	Personnel in the district will receive training during the summer months.
		Within the next school year, junior high school will utilize the OSIRIS software for maintaining attendance, scheduling classes and grade reporting.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	75	67	7	1	24
DISTRICT OFFICE:	2	0	2	0	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ORANGEBURG 2 Dixie O'Cain Bookkeeper P.O. Box 36 Bowman, SC 29018 Phone: 829-2981	COMP. LIT.	K-12	Apple IIe/ Commodore 64/ Commodore 8032	
	READ./LANG.	1-12	Apple IIc/ Apple IIe	
	MATHEMATICS	1-12	Apple IIc/ Apple IIe	
	VOC. EDUC.		Apple IIc/ Apple IIe	

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	17	16	1	0	7
DISTRICT OFFICE:	47	44	3	0	13

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ORANGEBURG 3 Mullesh M. Swami Director, Middle Schs. P.O. Box 98 Holly Hill, SC 29059 Phone: 496-3288	COMP. PROG.	10-12	TRS-80 Model III	Computers are used in Chapter 1 reading and mathematics classes in the middle schools. Teachers in the district now utilize computers more in their instruction than they did in previous years.
	READ./LANG.	1-12	Apple IIe/ TRS-80 Color/ IBM PC/IBM PCjr/ Rainbow	
	SCIENCE	1-8	Apple IIe/IBM PC	
	MATHEMATICS	1-12	Apple IIe/ TRS-80 Color/ IBM PC/Rainbow	
	BUS. EDUC.	10-12	Lanier/IBM PC	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			Attempts are being made to ensure that each teacher in the district will have access to at least one computer.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	110	97	11	2	37
DISTRICT OFFICE:	3	0	1	2	3

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>	
SCHOOL COMPUTERS					
ORANGEBURG 4 John Herring Superintendent P.O. Drawer A Cordova, SC 29039 Phone: 534-8081					
TOTAL	COMPUTERS	INSTR.	ADMIN.	INSTR. & ADMIN.	PRINTERS
SCHOOL:	66	55	4	7	22
DISTRICT OFFICE:	3	0	0	3	2

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ORANGEBURG 5 Louise H. Amos Computer Coordinator 578 Ellis Avenue Orangeburg, SC 29115 Phone: 534-5454	COMP. LIT.	1-12	IBM PC/PS/2 (25&30)/Apple IIe	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, Reading, Speaking & Writing to Learn.
	COMP. PROG.	9-12	IBM PC/Apple IIe/ Lanier 128	
	READ./LANG.	1-12	IBM PC/PS/2 (25,30&60)/ Apple IIe	
	SCIENCE	2-12	IBM PC/PS/2 (25,30&60)/ Apple IIe	
	MATHEMATICS	K-12	IBM PC/PS/2 (25,30&60)/ Apple IIe	
	SOC. STUDIES	2-4	IBM PC/PS/2 (25,30&60)/ Apple IIe	
	TOOL	K-12	IBM PC/PS/2 (25,30&60)/ Apple IIe	
	BUS. EDUC.	9-12 (COVEC)	IBM PC/ PS/2 Model 30	
VOC. EDUC.	9-12 (COVEC)	IBM PC/ PS/2 Model 30		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

1. Beyond Writing to Read (grade 2) 4-5 Model 25's and 1 printer per 22 2nd grade classes.
2. Continue to purchase appropriate courseware for each grade level.
3. School-wide network (grades 4-8) Belleville Middle renovation calls for 5-8 computers per academic classroom networked to file servers (Model 80's) to include management software and appropriate courseware for content area.
4. Library update (each school) district-wide plan for computerization of each library with management systems for inventory, checkout, etc.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>IF STR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	655	621	19	15	69
DISTRICT OFFICE:	27	2	21	4	28

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ORANGEBURG 6 Phalya Donaldson Pathways Coordinator/ Vocational Aide P.O. Box 640 North, SC 29112 Phone: 247-2541	COMP. LIT.	10-12	Apple IIe	High School (9-12): 7 Computers used for Intro. to Computers and word processing classes; also used for math and language remediation for disadvantaged vocational students.
	READ./LANG.	Elem./ 9-12/ Remed.	Apple IIe/Tandy	
	SCIENCE	Elem.	Apple IIe/Tandy	Elementary (1-7): 11 Computers used for reinforcement, remediation and gifted students-math, reading, lang., science and social studies.
	MATHEMATICS	Elem./ 9-12/ Remed.	Apple IIe/Tandy	
	SOC. STUDIES	Elem.	Apple IIe/Tandy	
TOOL	10-12	Apple IIe		
VOC. EDUC.	9-12 (Disadv.)	Apple IIe		
SCOIS	9-12	Apple IIe		

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	23	20	3	0	10
DISTRICT OFFICE:	22	18	3	1	11

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ORANGEBURG 7 Myrtle R. Hardwick Secretary to Supt. P.O. Drawer L Elloree, SC 29047 Phone: 897-2211	COMP. LIT.	K-12	Apple II/IBM PCjr	The above instructional uses are supplemental methods (CAI and management).
	COMP. PROG.	9-12	Apple II/IBM PCjr	
	READ./LANG.	K-12	Apple II/IBM PCjr	
	SCIENCE	K-12	Apple II/IBM PCjr	
	MATHEMATICS	K-12	Apple II/IBM PCjr	
	TOOL	9-12	Apple II/IBM PCjr	
	BUS. EDUC.	9-12	Apple II/IBM PCjr	
	VOC. EDUC.	9-12	Apple II/IBM PCjr	

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>		
	All		Computer in every classroom.
	All		All students will have hands-on experience utilizing computers and software.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	47	41	6	0	13
DISTRICT OFFICE:	5	0	5	0	5

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
ORANGEBURG 8 Starr Bright Computer Coordinator P.O. Box 248 Branchville, SC 29432 Phone: 274-8875	COMP. LIT.	8 & 12	Lanier/Apple IIe	Training for teachers-Intro. to Computers (Spring '88) - Elem., Middle, and Secondary.
	COMP. PROG.	12	Lanier	
	READ./LANG.	9-12	Apple IIe	
	SCIENCE	8-12	Apple IIc/IIe	
	MATHEMATICS	1-12	Apple IIe	
	FOREIGN LANG.	10-12	Apple IIe	
	TOOL	1-12	Apple IIe	
	BUS. EDUC.	10-12	Lanier	
COMP. LAB	8-12	Lanier/Apple IIe		

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	Development of a computer lab at the high school for 1988-89. Purchase of Data Display Systems and video disc players for each school; purchase another computer for the district office.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	19	17	1	1	29
DISTRICT OFFICE:	50	25	4	21	30

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
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SCHOOL COMPUTERS

PICKENS	COMP. LIT.	7-12	IBM/Apple/Comm.
Elizabeth L. Lashley	COMP. PROG.	8-12	IBM/Apple/Comm.
Pathways/Secondary	READ./LANG.	K-12	WICAT/Apple/ IBM/Comm.
Mathematics Coordinator			
Route 8, Box 375	SCIENCE	K-12	IBM/Apple
Easley, SC 29640	MATHEMATICS	K-12	WICAT/Apple/ IBM/Comm.
Phone: 859-1405			
	SOC. STUDIES	K-12	IBM/Apple
	FOREIGN LANG.	8-12	IBM/Apple
	TOOL	4-12	IBM/Apple/Comm.
	BUS. EDUC.	9-12	IBM/Apple
	VOC. EDUC.	7-12	IBM/Apple

The primary of computers use is as a supplement to instruction at as many levels as possible. Some programming (Logo) is done at the elementary level; however, most programming is at the secondary level in BASIC and Pascal. Computer literacy is included at some schools in grades 7-12.

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

The district is a pilot district for the Classroom Management System, a part of the PATHWAYS project. Long term goals include having computer labs in all schools with sufficient mobile computers for classroom use and having a computer with overhead viewer in at least the mathematics classrooms.

An instructional goal is to have all students learn to use the computer as an appropriate tool. The limited CAI use now in effect will be cautiously expanded as more sophisticated programs are available.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	467	361	88	18	199
DISTRICT OFFICE:	16	0	11	5	16



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
RICHLAND 1 Jim Hockman Coordinator, Instructional Computing & Tech. 1616 Richland Street Columbia, SC 29201 Phone: 733-5304	COMP. LIT.	K-12	Apple IIe/GS/ IBM PC Jr	Computers are available to students in 75 labs, classrooms, and media centers throughout the district. The thrust for computer use is to integrate the technology into the classroom to support the regular instructional program. Courses are offered to middle and high school students Students in business education, Chapter 1, EIA, special education, and gifted programs use computers on a regular basis.
	COMP. PROG.	2-12	Apple IIe/GS/ IBM PC Jr	
	READ./LANG.	K-12	Apple IIe/GS	
	SCIENCE	4-12	Apple IIe/GS	
	MATHEMATICS	K-12	Apple IIe/GS/ IBM PC Jr	
	TOOL	K-12	Apple IIe/GS/ IBM PC Jr	
BUS. EDUC.	9-12	IBM		
VOC. EDUC.	9-12	IBM		

<u>SCHOOL & DISTRICT</u>	<u>FUTURE PLANS</u>	
OFFICE COMPUTERS		
	All	<p>Based on past trends it is anticipated the approximately 100 computers will be added to the instructional program. Training is provided through several offices in the the district, including the #1 Teacher Center. Courses for graduate and certificate renewal credit are offered on a regular basis. Software will be available for teachers to review and use on a checkout basis in their classrooms.</p>
	All	<p>As funds and hardware become available, instructional computing programs will be extended to more schools in the district. Funding for special instructional projects is being explored.</p>

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	1,470	1,271	61	137	630
DISTRICT OFFICE:	92	0	69	23	74



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
RICHLAND 2	COMP. LIT.	All	Varies--mostly Apple IIs	Software (appropriate) is being integrated in all applicable areas.
Deborah G. Randolph	COMP. PROG.	10-12	IBM	
Manager, Computer	BUS. EDUC.	9-12	Mostly IBM	
Services	VOC. EDUC.	9-12	Varies--mostly IBM	
6831 Brookfield Road Columbia, SC 29206 Phone: 787-1910				

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Expanded use of computers for Instructional management - all levels.

Through ECIA, Chapter 1 - a Take Home Computer Program in mathematics was recently installed. It will be expanded in 1988-89 to include reading.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	427	383	39	5	131
DISTRICT OFFICE:	27	0	27	0	22

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SALUDA Kay D. Rankin Chapter 1/ Basic Skills Coordinator 404 N. Wise Road Saluda, SC 29138 Phone: 445-8064	COMP. LIT.	5-12	Apple IIe	All elementary students are given access to computers on a limited basis. In compensatory, remedial, and Chapter 1 classes, computers are used for drill and practice. Kindergarten and first-grade students have CAI in math and reading. Computer instruction provides enrichment in G/T classrooms. Some students in grades 5-8 are instructed in computer literacy. 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, remedial, and Chapter 1 classes. A computer lab is available to all teachers and students.
	COMP. PROG.	7-12	Apple IIe	
	READ./LANG.	K-12	Apple IIe	
	SCIENCE	K-12	Apple IIe	
	MATHEMATICS	K-12	Apple IIe	
	SOC. STUDIES	K-12	Apple IIe	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	9-12	Apple IIe	
	BUS. EDUC.	9-12	Apple IIe	
	VOC. EDUC.	9-12	Apple IIe	
GIFTED RESOURCE		Apple IIe		

<u>SCHOOL & DISTRICT OFFICE COMPUTERS</u>	<u>FUTURE PLANS</u>		
	Pathways Project	All	4 NCR PC8-AT All schools will use Pathways Project software for database, scheduling, attendance, and grade reporting applications.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	128	116	10	2	41
DISTRICT OFFICE:	5	0	5	0	5

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SPARTANBURG 1 Daniel A. McDowell Coordinator, Administrative Services P.O. Box 218 Campobello, SC 29322 Phone: 472-2846	COMP. LIT.	7-12	Apple IIe/IBM PC	Develop a reading center for all Chapter 1 students.
	COMP. PROG.	11-12	Apple IIe	
	READ./LANG.	1-6	Apple IIe	
	TOOL	10-12	IBM PC	
	BUS. EDUC.	10-12	IBM PC	
SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS			

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	170	153	17	0	50
DISTRICT OFFICE:	4	0	4	0	2

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SPARTANBURG 2 Ray Ramsey Director Route 6 Spartanburg, SC 29303 Phone: 578-0128	COMP. LIT. READ./LANG. MATHEMATICS BUS. EDUC.	10-12 1-8 1-8 10-12	Apple IIe Apple IIe/Gs Apple IIe/Gs Apple/Lanier	Elementary schools are using computers for drill and practice. Secondary schools are using computers for word processing in business education and for application of spreadsheets and databases in computer literacy courses.

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS Undetermined at the school level.
Pathways Project at all schools and district.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	244	223	15	6	67
DISTRICT OFFICE:	14	0	14	0	10

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SPARTANBURG 3 Ann T. White Director, Media & Public Information Servs P.O. Box 267 Glendale, SC 29346 Phone: 579-3330	COMP. LIT. READ./LANG. SCIENCE MATHEMATICS SOC. STUDIES BUS. EDUC. VOC. EDUC.	10-12 K-6 4-12 K-12 K-8 10-12	Apple IIe Apple IIe Apple IIe Apple IIe Apple IIe IBM	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 & 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 1 classes use computers for drill and practice. All special education classes have computers to assist with instruction.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	134	88	14	32	70
DISTRICT OFFICE:	6	0	4	2	12

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SPARTANBURG 4 J. Lynn Harrill Director, Instruction P.O. Box 669 Woodruff, SC 29388 Phone: 476-3186	COMP. LIT.	1-12	Apple	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).
	READ./LANG.	K-12	Apple	
	MATHEMATICS	K-12	Apple	
	TOOL	7-12	Apple	
	BUS. EDUC.	11-12	Apple	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	120	79	10	31	45
DISTRICT OFFICE:	4	0	4	0	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SPARTANBURG 5 Sid Crumpton Assistant Supt. P.O. Box 307 Duncan, SC 29334 Phone: 439-6326	COMP. LIT.	1-12	Apple IIe	
	COMP. PROG.	11-12	Apple IIe	
	READ./LANG.	9-12	Apple IIe	
	SCIENCE	9-12	Apple IIe	
	MATHEMATICS	9-12	Apple IIe	
	SOC. STUDIES	9-12	Apple IIe	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	11-12	IBM	
	BUS. EDUC.	11-12	IBM	
	VOC. EDUC.	9-12	IBM/IBM PCjr	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Implement and upgrade word processing-All administrative levels.

Install network system at Eynes High School.

Upgrade hardware and software as technology changes.

Continue training at all levels in word processing and OSIRIS.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	218	195	9	14	70
DISTRICT OFFICE:	4	0	2	2	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SPARTANBURG 6 Judy Antley Math Coordinator 1493 W. O. Ezell Blvd. Spartanburg, SC 29301 Phone: 576-4212	COMP. LIT.	9-12	IBM/Radio Shack	Apples are used throughout the district in classrooms and libraries in all subject areas.
	COMP. PROG.	9-12	IBM/Radio Shack	
	READ./LANG.	2-12	CCC	
	MATHEMATICS	2-12	CCC	
	BUS. EDUC.	9-12	Apple IIe	
	VOC. EDUC.	9-12	Apple IIe	
OTHER	9-12	Apple IIe		

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	367	318	29	19	77
DISTRICT OFFICE:	11	2	9	0	11

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SPARTANBURG 7 Carol Ellis Mathematics Consultant/ Computer Contact P.O. Box 970 Spartanburg, SC 29304 Phone: 594-4400	COMP. LIT.	3-12	Apple IIe	
	COMP. PROG.	3-12	Apple IIe	
	READ./LANG.	1-6	Apple IIe	
	SCIENCE	10-12	Apple IIe	
	MATHEMATICS	1-12	Tandy/Apple IIe	
	SOC. STUDIES	1-6	Apple IIe	
	TOOL	10-12	Apple IIe/Lanier	
BUS. EDUC.	10-12	Apple IIe/Lanier		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	667	588	34	45	111
DISTRICT OFFICE:	75	41	31	3	22

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SUMTER 2	COMP. LIT.	K-12	Apple IIe	Ten WICAT mainframe systems at ten (10) elementary schools with thirty (30) work-stations each serve approximately 3,500 students each school day. The lab also are used as part of the summer program to provide enrichment activities in writing and mathematics.
Brenda C. Logan	COMP. PROG.	10-12	IBM PC/XT	
Computer coordinator	READ./LANG.	2-12	Apple IIe	
P.O. Box 2425	SCIENCE	6-12	Apple IIe	
Sumter, SC 29150	MATHEMATICS	K-12	Apple IIe	
Phone: 469-6900	SOC. STUDIES	6-12	Apple IIe	
	TOOL	9-12	IBM PC/XT	
	BUS. EDUC.	9-12	IBM PC/XT	

The Chapter 1 reading and math programs piloted projects using EDL and Prescription Learning curriculum programs.

The elementary self-contained special education classes received Apple IIe computers for the classroom this year. The goals and objectives on the I.E.P. for these students.

SCHOOL & DISTRICT OFFICE COMPUTERS **FUTURE PLANS**

Options to expand the WICAT computer labs are being explored for the 1988-89 school year. Additional systems for the secondary schools and the expansion of existing systems are under consideration.

The PATHWAYS Project is being implemented in all of the District's schools for the 1988-89 school year. An on-going OSIRIS training program for the district's staff has been established to assist schools as they prepare for full implementation.

Chapter 1 and programs for the handicapped will be expanding the use of microcomputers in the classrooms with the purchase of additional hardware.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	578	532	37	9	116
DISTRICT OFFICE:	14	0	14	0	11

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
SUMTER 17 Lawrence Williams Coordinator of Media and Technology P.O. Box 1180 Sumter, SC 29150 Phone: 469-8536	COMP. LIT.	K-12	Apple IIe/IIgs/ IBM PC Jr	The middle and high schools MS-DOS computers are networked to each administrator and counselor. All district schools use the OSIRIS software for their administrative activities. The schools and the district media center provide all the MECC programs, plus many commercial software products for administrative and instructional use. 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.
	COMP. PROG.	K-12	Apple IIe/IIgs IBM PC Jr	
	READ./LANG.	K-12	Apple IIe/IIgs IBM PC Jr	
	SCIENCE	K-12	Apple IIe/IIgs IBM PC Jr	
	MATHEMATICS	K-12	Apple IIe/IIgs IBM PC Jr	
	SOC. STUDIES	K-12	Apple IIe/IIgs IBM PC Jr	
	FOREIGN LANG.	K-12	Apple IIe/IIgs IBM PC Jr	
	TOOL	K-12	Apple IIe/IIgs IBM PC Jr	
	BUS. EDUC. VOC. EDUC.	9-12 9-12	IBM PC Apple IIe/IBM PC	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Extend the district office computer networks to serve instructional, business and personnel services with a laser printer capability. Continue to assist all our computer services.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	295	209	47	26	120
DISTRICT OFFICE:	21	1	14	6	21

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
UNION Faye J. Baker Math Coordinator P.O. box 907 Union, SC 29379 Phone: 427-3651				Instructional Dept. Union Co. Schools 2 MacIntosh Computers 1 Laser Jet Printer
SCHOOL & DISTRICT OFFICE COMPUTERS <u>FUTURE PLANS</u>				

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	244	221	20	3	70
DISTRICT OFFICE:	11	0	11	0	6



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
WILLIAMSBURG Judy Fennell Coord..Media Services P.O. Box 1067 Kingstree, SC 29556 Phone: 354-5571	COMP. LIT. COMP. PROG. READ./LANG. SCIENCE MATHEMATICS SOC. STUDIES FOREIGN LANG. TOOL	K-12 9-12 K-12 K-12 K-12 K-12 K-12 4-12	Apple IIe/IIgs/TRS-80 TRS-80 Apple IIe/IIgs/Atari Apple IIe/IIgs Apple IIe/IIgs/Atari Apple IIe/IIgs Apple IIe/IIgs TRS-80/IBM/NCR/ Apple IIe	Our Chapter 1 program placed many Apple IIgs computers in our schools this year. We joined the MECC this year to give greater software access.
	BUS. EDUC. VOC. EDUC.	9-12 9-12	Apple IIe, KayPro Apple IIgs/IBM/ Tandy/TRS-80	

SCHOOL & DISTRICT OFFICE COMPUTERS	FUTURE PLANS	Adding more CCC labs, summer computer workshops, networking schools to district office (Pathways Project), expanding OSIRIS usage.
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<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	491	459	15	17	110
DISTRICT OFFICE:	11	0	11	0	10

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
YORK 1 Terry Morrison Vocational Center Director P.O. Box 770 York, SC 29745 Phone: 684-9916				Computer familiarization for all students in primary grades. Computer literacy begins in elementary grades. Courses in BASIC, Fortran, and Cobal are taught in secondary grades. In addition, CAI (CCC) labs are in place for compensatory/remedial students in each school. CAI labs are used by students in readiness-grade 12.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	212	200	6	6	79
DISTRICT OFFICE:	8	1	6	1	6

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
YORK 2	COMP. LIT.	6-12	Apple IIe	Computer literacy taught to all 6th graders. Computer programming, word processing, AP, and other in 9-12. Computer Curriculum Corporation (CCC) program in 1-12 for remediation.
William Lowe	COMP. PROG.	9-12	Apple IIe	
Computer Coordinator	READ./LANG.	1-12	Atari/CCC	
P.O. Box 99	MATHEMATICS	1-12	Atari/CCC	
Conover, SC 29710	BUS. EDUC.	9-12	Apple IIe	
Phone: 222-7191	VOC. EDUC.	9-12	Apple IIe	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

Plan to pilot classroom management program for state and from this we plan to put a computer and printer in each teacher's classroom. Networked each to a source in each school with all students information on it.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	275	190	33	52	62
DISTRICT OFFICE:	4	0	1	3	4

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
YORK 3	COMP. LIT.	K-12	Apple IIe/IIgs	Teachers use computer-assisted instruction access subject and grade levels to assist students in mastering course content. A K-6 computer curriculum has been implemented district-wide this year. Students receive instruction in computer literacy, keyboarding, and programming in Logo. Students in grades 7-8 have an opportunity to take a computer applications and BASIC programming course. High school electives include an introductory programming course in BASIC, a computer math course, and the AP PASCAL course.
Julia Robbins	COMP. PROG.	K-12	Apple IIe	
Supervisor	READ./LANG.	1-12	Apple IIe	
P.O. Box 10072	SCIENCE	1-12	Apple IIe	
Rock Hill, SC 29731	MATHEMATICS	1-12	Apple IIe	
Phone: 324-5360	SOC. STUDIES	1-12	Apple IIe	
	FOREIGN LANG.	9-12	Apple IIe	
	TOOL	1-12	Apple IIe	
	BUS. EDUC.	10-12	Epson/Monroe/ Apple IIe	
	VOC. EDUC.	10-12	Zenith	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

We will continue to offer teacher training courses and workshops in using word processing, databasses, and spreadsheets and evaluating and incorporating software in the instructional program.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	567	446	89	31	183
DISTRICT OFFICE:	13	0	13	0	11



<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
YORK 4	COMP. LIT.	3-12	Apple IIe/IIc	Computer literacy has been covered through 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.
Dan H. Jones	COMP. PROG.	1-12	Apple IIe/IIc	
Director Special Services	READ./LANG.	1-12	Apple IIe/IIc	
P.O. Box 369	SCIENCE	6-8	Apple IIe/IIc	
Fort Mill, SC 29715	MATHEMATICS	1-12	Apple IIe/IIc	
Phone: 548-2527	VOC. EDUC.	9-12	Apple IIe/IIc	

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

YORK #4 (Fort Mill School District) will pilot the CMS Program.

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	129	69	19	41	18
DISTRICT OFFICE:	9	0	9	0	5

<u>DISTRICT/CONTACT</u>	<u>INSTR. USES</u>	<u>GRADE</u>	<u>BRAND/MODEL</u>	<u>DESCRIPTION</u>
SCHOOL COMPUTERS				
S.C. DEPT OF YOUTH SERVICES Wallace N. Meggs Jr. Administrative Program Analyst 4900 Broad River Road Columbia, SC 29210 Phone: 737-8913	READ/LANG.	6-12	Apple IIe/IIgs	ALL: 1) All grades are served by computer assisted instruction and limited computer managed instruction. ALL: 2) 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 students enter a district school. In addition, some vocational program use the management system for objective based instruction. (Apple) SEC: 3) Implemented a six station Novell network of OSIRIS at Birchwood High School. (IBM) ALL: 4) Custom IEP generator program is in use by special education services and teachers. (Apple) ALL: 5) Implemented a Sun TOPS workstation network at the District Office. (Macintosh and IBM)
	SCIENCE	6-12	Apple IIe/IIgs	
	MATHEMATICS	6-12	Apple IIe/IIgs	
	SOC. STUDIES	6-12	Apple IIe	
	BUS. EDUC.	9-12	IBM PS/2 25	
VOC. EDUC.	9-12	Apple IIe		

SCHOOL & DISTRICT OFFICE COMPUTERS FUTURE PLANS

ALL: 1) The management system is being written to run on the same system as OSIRIS and utilize the computers and optical readers at each school. (Scheduled for Summer **)

MID: 2) Network Willow Lane Jr. High School's Osiris system with six stations. (Scheduled for Summer 1988)

ALL: 3) Tie in fully with the Agency statewide MIS and electronic mail system being developed. (Fall 88)

SEC: 4) Include desktop publishing in High Schools' Graphic Arts program. (Spring 89)

<u>TOTAL</u>	<u>COMPUTERS</u>	<u>INSTR.</u>	<u>ADMIN.</u>	<u>INSTR. & ADMIN.</u>	<u>PRINTERS</u>
SCHOOL:	126	109	14	3	54
DISTRICT OFFICE:	5	0	4	2	4

SPECIAL SURVEY ADDENDUM TO 1987-88 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 and Writing to Read Projects)
- Prescription Learning
- South Carolina Occupational Information System (SCOIS)
- WICAT

**COMPUTER FIRM
BRAND/PROJECT:**

Computer Curriculum Corporation (CCC)

CONTACT PERSON:

Charlie House, Jr.
Marketing Representative

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

Over the past two decades, CCC has developed an instructional use of computers that consistently produces measurable results for students at all levels. By taking CCC's individualized math, reading and language arts courses, students dramatically increase their rate of learning using new color graphics learning stations. CCC now provides 35 courses from the kindergarten level to the adult level on one integrated system.

The U.S. Department of Education has awarded many schools using CCC systems "Exemplary Program" awards for outstanding growth. Many South Carolina schools have won incentive awards as well.

Over 2,000 schools and 1,000,000 students use CCC systems daily--more than those of all other providers of CAI systems combined.

Students receive individualized instruction they can't get in the classroom. A powerful computer delivers lessons at multiple learning stations, and continually adjusts the level as each student's performance improves. Detailed reports help teachers keep track of student performance.

The courses span the school curriculum, including reading, math, language arts, even computer science and logic. Courses provide practice tailored to each student's needs, and introduce concepts using interactive, self-paced presentation.

Unlike courseware on floppy disks, many CCC courses cover several grades. For example, CCC's popular "Math Concepts" course progresses from kindergarten through grade 8. Yet every minute of this nine year course is delivered at each student's performance level--whether the student is below average, gifted, or even adult.

CCC curriculum includes a correlation with the South Carolina Basic Skills Assessment Program (BSAP).

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

Equipment Placed by School, Subject and Grade

CCC's programs are used in districts throughout South Carolina, in grades 1-12 and adult education. In the spring of 1988, there were 204 labs serving 50,725 students each day. The majority of these terminals were used by EIA remedial and compensatory students and by Chapter I students in reading and math.

As of June 13, 1988, CCC had 2,029 terminals installed in 186 schools in 23 school districts serving 50,725 students daily.

District	No. of Schools	No. of Terminals
Abbeville	8	56
Aiken	28	251

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE (continued)

District	No. of Schools	No. of Terminals
Bamberg 2	1	8
Berkeley	16	270
Charleston	23	184
Chesterfield	17	235
Dillon 3	2	32
Dorchester 4	1	10
Edgefield	3	36
Florence 2	3	21
Florence 3	7	84
Florence 4	3	24
Georgetown	16	149
Horry	13	137
Jasper	1	18
Laurens 56	7	100
Lexington 3	3	38
Lexington 4	1	10
Marion 1	4	50
Orangeburg 7	2	17
Spartanburg 6	14	160
Williamsburg	7	72
York 1	<u>6</u>	<u>67</u>
	186	2,029

C. FUTURE PLANS

CCC continues to develop new courseware in the basic skills. "Math Concepts" for grades K-3 will include skill in whole numbers, fractions, geometry, and measurement. This course, for students in grades 3-6, is scheduled for release in the fall and will integrate reading skills and theme work enhanced by graphics. Reading with audio for grades K-2 is scheduled to be available in 1988. "Writer's Express", scheduled for release in fall 1987, is a grade 3-6 writing course using color graphics and word processing with a spelling checker.

The UNIX® Operating System allows a growing set of UNIX® application software such as Communications Package, Text Editor and Tools, word processing, CAST and CMI, Historyread, and Individualized Prescriptive Strategy, to name a few. The UNIX® programs are now available. Others are under development.

UNIX ® is an unregistered trademark of AT&T Bell Laboratories.

D. STUDENTS GAINS/RESULTS OF PROJECT

Improvements of 50-120 percent are typical of districts using the CCC MICROHOST® Instructional System. Grade level gains of 1.4 years for 25 hours of use are expected for students in math, reading, and language skills courses.

MICROHOST ® is a trademark of Computer Curriculum Corporation

E. OTHER COMMENTS

- **Training Component:** Training is provided by CCC for district personnel involved in the program. Four days of extensive training is given to the CAI proctors. Teachers and administrators attend an in-service on the proper use of CAI, reports and analysis, and motivation.
- **Maintenance:** Maintenance contracts provide full, on-site service with a 24-hour response time.
- **Monetary Value of Placement:** Available upon request from CCC.
- **Person to Contact for Demonstration or Conference Presentation:** Charlie House, Jr., Marketing Representative, 800/334-6343 or 404/421-0755.

**COMPUTER FIRM
BRAND/PROJECT:**

Education Systems Corporation (ESC)

CONTACT PERSON:

Preston Stone

ADDRESS:

4027 Abingdon Road
Charlotte, NC 28211-3822

TELEPHONE:

704/366-5563 or 800/521-8538, box 453

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 report is 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 IIs, 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).

**COMPUTER FIRM
BRAND/PROJECT:**

Governor's Remediation Initiative (GRI)

CONTACT PERSON:

John Rumford, Acting Director

ADDRESS:

115 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 | Suom 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-Ridgeville 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 | Winnsboro 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 "Writing to Read"

CONTACT PERSON:

Mary Gene Hayes

ADDRESS:

1333 Main Street
Columbia, SC 29201

TELEPHONE:

803/748-5126

A. PROJECT DESCRIPTION

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

School District	School	School District	School
Aiken	Busbee Elementary	Horry	All 16 elementary schools
Anderson	Williamston Child Dev. Ctr.	Kershaw	Camden Primary
Berkeley	Berkeley Elementary	Marion 2	Nichols Elementary
Calhoun	Bethlehem Elementary Guinyard Elementary St. John Elementary	Orangeburg 3	Providence Primary Holly Hill Primary
Dorchester 4	St. George Elementary	Richland 1	Arden Elementary Crane Creek Elementary
Greenville	Bakers Chapel Elementary Blythe Elementary Brushy Creek Elementary East Greet Elementary Mauldin Elementary Spearman Primary Westcliff Elementary Wren Elementary	Richland 2	All but one
		Union	Monarch Elementary

C. FUTURE PLANS

Expansion plans call for installations of new labs, as well as development of a Writing to Read follow-up curriculum. The logical way to extend and enhance the writing and reading skills is to develop a writing focus across all curriculum areas. We will pursue this course with interested school districts.

D STUDENT GAINS/RESULTS OF PROJECT

Substantial student gains have been documented by several districts: Richland 2, Aiken County, Orangeburg 5, and Charleston County.

E. OTHER COMMENTS

Training is a prerequisite for purchase of Writing to Read. Initial training takes place in Atlanta, with follow-up provided by IBM Educational Systems Consultants. Contact the Writing to Read District Coordinator in each district, or Ward Brimmer or Mary Gene Hayes in Columbia, SC, at 748-5126.

**COMPUTER FIRM
BRAND/PROJECT:**

IBM

CONTACT PERSON:

Bob Render

ADDRESS:

**1333 Main Street
Columbia, SC 29201**

TELEPHONE:

803/748-5340

A. PROJECT DESCRIPTION

Orangeburg 5, one of the 16 school districts cited as exemplary in the educational movement, has implemented instructional technology at every level of the curriculum.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

All six elementary schools

- Writing to Read
- 90 computers (15 per elementary school) in the first grade classrooms for Writing to Read follow-up

All three middle schools

- 75 computers networked (25 per middle school) for remediation

Orangeburg-Wilkinson High School

- PALS lab- adult and adolescent literacy lab
- 120 networked computers for remediation
- Stand-alone chemistry computers

COVEC

- 35 networked computers for business education

C FUTURE PLANS

All elementary schools

- Second-grade instructional computer program
- Fifth-grade instructional computer program

D. STUDENT GAINS/RESULTS OF PROJECT

- Dropout rate at the high school fell from 30 percent to 2 percent.
- Decrease in the number of readiness classes at the elementary level.

E. OTHER COMMENTS

IBM furnishes training on all its products.

COMPUTER FIRM BRAND/PROJECT: Prescription Learning

CONTACT PERSON: Jane Croxton

ADDRESS: 125 Fox Hill Place
Lexington, SC 29072

TELEPHONE: 803/356-0771

PERSON SUPPLYING INFORMATION: Sue Payne

ADDRESS: 6150 North 16th Street
Phoenix, AZ 85012

TELEPHONE: 602/230-7030

A. PROJECT DESCRIPTION

Prescription Learning, a Jostens Company, has been providing educational services to large and small school districts since the mid-1970's. Its networked reading, mathematics, writing, and other curriculum systems are delivered via a learning laboratory environment which can be adapted to classroom situations by placing smaller laboratory modules in the classrooms themselves. Computers, as well as other equipment, are used to help students acquire or enhance skills.

The programs are designed for use with students in grades K-12, but are also successfully used with adults or special education students. Upon entering a laboratory program, assessment helps determine where, within the curriculum, the student should begin to work. In a laboratory, students' progress is automatically monitored every time a computer is used for testing or measurable instruction. The objective is to make certain that all youngsters are working on the skills they need most at the level appropriate to them.

The instructional design of the reading, writing, and mathematics program is "holistic," enabling students to encounter instruction in a myriad of ways. For example, in the "process writing" component, students not only use instructional courseware, but many activities call for personal writing activities that take place using word processing and desktop publishing. Such methods generate an atmosphere which mirrors how learning takes place in the classroom and in real-life experiences. The lessons in all instructional areas involve students in gaining higher-level thinking skills and have been purposefully designed to be motivational and fun to do.

Prescription Learning's instructional courseware is available to students in networked laboratories as "downloaded" lessons from a central file server. In non-networked laboratories, the same lessons are available on diskette. Apple IIe, IIgs and IBM/IBM-compatible computers administer the lessons, most of which use color graphics and animation. Courseware for primary youngsters and ESL students use digitized speech for "voiced" instruction. At the primary levels, assessment is provided using videodisk so that important directions and letter names and sounds can be "heard" in human voice context.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

Most laboratories are primary configuration, utilizing Apple IIe equipment and containing reading and mathematics software and consumables. South Carolina districts that have purchased Prescription Learning laboratories and the number of labs in each are:

3	Marion Mullins	1	Lexington 5 Ballentine	1	Richland 2 * Columbia
* Also using new Take-Home Computer Program.					
7	Oconee County Walhalla	7	Greenville County Greenville	8	Darlington County* Darlington

* Also using the School Within a School science enrichment course.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE (continued)

11	Kershaw County Camden	7	Dillon 2 Dillon	1	Jasper County Ridgeland
12	Berkeley County Moncks Corner	5	Edgefield County Edgefield	5	York 3 Rock Hill
6	Lee County Bishopville	7	Lexington 1 Lexington	3	Sumter 17 Sumter
1	Clarendon 3 Tuberville	1	Hampton 2 Ertill	1	Calhoun County St. Matthews
2	Sumter 2 Sumter	11	Colleton County Walterboro	5	Laurens 55 Laurens
95	Governor's Remediation Sites (Reading)	1	Bamberg 2 Denmark	2	Beaufort County Beaufort

C. FUTURE PLANS

Prescription Learning's networked laboratory (LABNET) is designed to interface directly with SCHOOLNET, a product which provides whole-school linking of administrative and instructional functions. Within the SCHOOLNET environment, classroom teachers desktop terminals communicate with the principal's and those of other key school personnel. This overall management system enables appointed staff to create, log, maintain, and access all school-related information without having to handle unnecessary paper. Electronic mail features permit the principal and/or teachers to share pertinent information and communicate with the speed and flexibility that computer technology now allows.

Having concentrated for many years in the development of reading, writing, and mathematics programs, Prescription Learning is now in the process of creating a new science program which will be available beginning in the fall of 1989. Prescription Learning plans to continue to enhance its "Take-Home Computer Program", its "Adult Basic Education Program", its "ESL Program", and the courses and opportunities inherent in "School Within a School" (SWS). Especially popular in the SWS realm are "contracted services" which enable a school to work with Prescription Learning to fully tailor a program to specifically address that school's unique needs. Other programs available from SWS are operated as summer school courses, before- and after-school programs, or programs offered to the surrounding community.

D. STUDENT GAINS/RESULTS OF PROJECT

School districts appeared to be well pleased with the results of the Prescription Learning laboratories. Test data for the South Carolina sites will be available summer of 1988; however, evaluation data for school districts across the country is available upon request. Significant gains have been demonstrated in Prescription Learning laboratories.

E. OTHER COMMENTS

Prescription Learning is dedicated to:

1. Training and support for school personnel.

Staff training for all involved staff takes place in three stages: pre-program in-service, two yearly teacher workshops to ensure that personnel have all of the knowledge necessary to run a successful program. Prescription Learning works extensively with laboratory staff so that they can efficiently use time and instructional techniques to improve students' achievement.

2. Maintenance of hardware, if desired.

E. OTHER COMMENTS (continued)

3. Correlation of schools' existing materials to appear on the management system.
4. An open system that allows for greater flexibility.
5. On going development of software utilizing the latest in technology. Some of our latest enhancements are:

The "Test-Question Library" - a program which enables teachers to rapidly create test items and retain them for later use.

The "Microlibrarian"- able to operate the school library's bookkeeping function by utilizing complex cataloging and processing books via bar code reference.

"Wordmap"- allows teachers to automatically grade students' papers for mechanics, grammar, and punctuation errors, giving them more time to concentrate on content and thought process.

Twice monthly consulting visits are provided by a Prescription Learning educational specialist.

Twice monthly technical assistance is also provided by Prescription Learning in the form of a technician's visits. Typically, the technician checks to see that all equipment is working; any faulty machines are immediately repaired or replaced. The technician also sees that consumable materials and other necessary items are regularly supplied.

**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 terminals, teleprinters or microcomputers with modems. It is operational throughout the state, with 369 sites having access to the system.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

SCOIS locations:

192	High Schools
51	Vocational Education Centers
36	Middle Schools
18	Technical Schools
11	Colleges/Universities
11	Community-Based Organizations
6	Job Service Offices
11	Public Libraries
15	Vocational Rehabilitation Centers
<u>18</u>	Others
369	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

Future plans are to expand usage of SCOIS in middle schools and public libraries. Optional software, Resume Writer and Application Maker, will be offered to SCOIS microcomputer users.

D. STUDENT GAINS/RESULTS OF PROJECT

Over 7,000 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. Videos depicting people performing on the job are used to complement SCOIS and are available without additional cost to SCOIS users. 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:

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Taylors, SC 29687

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803/292-5515

**PERSON SUPPLYING
INFORMATION:**

Susanne H. Hite

A. PROJECT DESCRIPTION

WICAT Systems provides administrators and teachers in K-12 schools with a comprehensive computer-based educational system. The company has combined advanced hardware design with comprehensive curriculum-based courseware, student learning management, and administrative programs to create a true professional learning center. This learning center uses the unique capabilities of the computer to develop and deliver programs that furnish each student with individualized instruction, tailored to their particular needs, and to provide significant instructional management capabilities not available with conventional, stand-alone microcomputer systems. The WICAT professional systems has the ability to:

- (1) Accommodate up to 64 students working on as many as 64 different skills at the same time in the same lab.
- (2) Encourage students to develop higher-order thinking skills, as well as to provide students with drill-and practice exercises.
- (3) Pretest students for ability and achievement.
- (4) Produce extensive reports on student progress.

Available Courses: Mathematics I (K-4), Mathematics II (5-8), Algebra I, Algebra II, Geometry, Reading I (K-3), Reading II (2-9), Language Arts I (2-6), Language Arts II (7-12), Writing I (K-2), Writing II (3-6), Spelling (2-6), Typing I (K-2), Typing II (3-6), Typing III (7-12), Chemistry, Sentence Combining, English as a Second Language, complete GED/Adult Education courses, French, Computer Literacy, BASIC, and PASCAL.

Testware: WICAT Test Creation Package, Make-a-Test, Reading Abilities Profile, Tests of Basic Skills, Early Childhood Profile, and Occupational Profile.

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE

School District	School	Grade	Subject Areas Emphasized	Equipment Model/Quantity
Sumter 2		K-5	Reading Math Language Arts	WICAT System 300 (30 term. labs) 10 computer labs--1 each in 10 elementary schools
Lexington 2		6-8	Math Computer Literacy Reading Language Arts	WICAT System 300 (30 term. labs) 4 computer labs--1 each in 4 middle schools

B. PLACEMENT AND USE OF COMPUTERS AND SOFTWARE (continued)

Greenville	Blythe Elementary Hughes Middle Greenville High	K-5 6-8 9-12	Reading Math Language Arts	WICAT System 300 (30 term. labs) 3 computer labs
Pickens	McKissick	K-6	Reading Math Language Arts	WICAT System 300 1 - 60 term. lab
Greenwood 50	Southside Junior High	7-9	Math Reading	WICAT System 300 1 - 32 term. lab

NOTE: A total of 602 terminals are installed in South Carolina schools.

C. FUTURE PLANS

Plans are to expand to two other junior high schools in Greenwood; expansion is also planned for Pickens and Greenville in the future. Sumter 2 is upgrading the capacity of its existing labs.

D. STUDENT GAINS/RESULT OF PROJECT

On the average, WICAT produces 30-50 percent learner improvement gains across the U.S. For specifics on improvements, please contact individual districts.