DOCUMENT RESUME

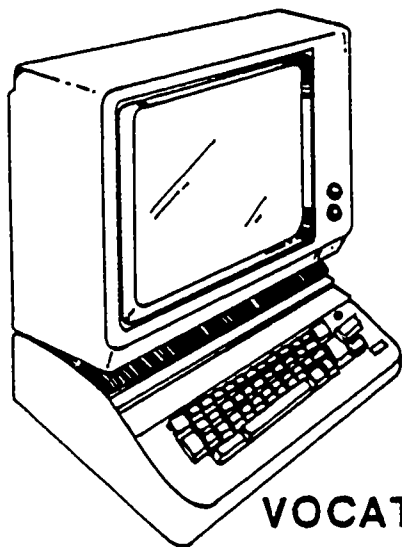ED 263 344                                          CE 042 823

AUTHOR          Sarle, Ruth; And Others
TITLE           Pregnancy and You. Courseware Evaluation for
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IDENTIFIERS     *Courseware Evaluation

ABSTRACT
                This courseware evaluation rates the "Pregnancy and
You" program, developed by Intellectual Software and sold by Career
Aids, Inc. The courseware was rated by a team of home economists
participating in a network designed to identify and evaluate
courseware and disseminate reviews for vocational and technical
teachers, media staff, and administrators. Part A describes
"Pregnancy and You" in terms of subject area (pregnancy, maternal,
child health), and hardware requirements (Apple II, IBM PC, or
Macintosh), and indicates its suitability for use as a tutorial for
ninth-grade through adult levels. Listed next are appropriate
instructional grouping (individual and small groups) and time
estimate (45 minutes). Availability information includes cost
($44.95), policies, and contact address. Part B contains the
courseware evaluation criteria in eight categories; reviewer ratings
appear as yes, somewhat, no, or not applicable, with explanatory
comments. Part C summarizes the evaluation. The strengths of this
program are that it individualizes technical information, is accurate
and easy to use, and requires little supervision. Weaknesses include
intensive reading, little audiovisual variety, lack of stimulation,
and failure to review or give additional information. A summary
section indicates that this courseware received the following overall
ratings in the eight categories: subject matter has educational
value--yes; technical presentation, student interaction, program
interaction, student evaluation, and documentation are all
adequate--somewhat; and work behaviors and application programs--not
applicable. The final rating recommends this courseware with
reservations, suggesting its use with self-motivated students.
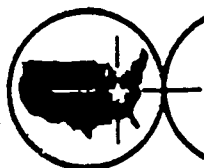(SK)

PREGNANCY AND YOU

# COURSEWARE EVALUATION

# FOR

# VOCATIONAL AND TECHNICAL EDUCATION

The evaluation of this courseware program was conducted by a team participating in the Courseware Evaluation Network. The Network, established in 1985, is coordinated by the National Center for Research in Vocational Education under the sponsorship of the U.S. Department of Education, Office of Vocational and Adult Education. The purpose of the Network is to identify, evaluate, and disseminate courseware reviews for vocational and technical education.

Each Network team includes three members, at least one of which is, or recently has been, a vocational or technical teacher in the subject matter area of the courseware being evaluated. The evaluation represents a synthesis of the opinions of the team members. It is suggested that the evaluation be used as a first screening device for courseware and that the teacher also evaluate the courseware program on the basis of specific student needs.

The Courseware Evaluation Form and Guide used for all of the Network evaluations was developed by the National Center and is available through its cost-recovery system.

**THE NATIONAL CENTER**
**FOR RESEARCH IN VOCATIONAL EDUCATION**
THE OHIO STATE UNIVERSITY
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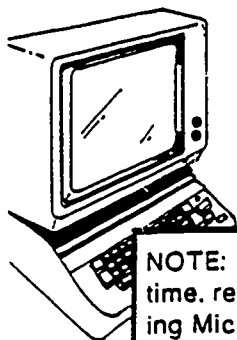
# COURSEWARE EVALUATION FORM

NOTE: If you are using this form for the first time. read the instructions in the accompanying Microcomputer Courseware Evaluation Guide.

Evaluator __Ruth Sarle/Sue Saravelle/Barbara Reed__
Position __State Home Economics Supervisor__
__Secondary Home Economics Teacher__
__Retired Home Economics Supervisor__
Date __August 22, 1985__

## Part A: Courseware Description

In the following sections. record descriptive information about the courseware that you are evaluating.

### I. IDENTIFICATION

Program Title __Pregnancy and You__ Date __1983__

Series Title __Health Series__

Vocational Area(s) __Home Economics: Health: Personal and Social Development__

Subject Area(s) __Child: Health Sciences Development, Family Living and Parenthood; Health Related Activities.__

Topic(s) __Pregnancy; Maternal/Child Health; Birth Related Health Practices__

Developing Agency __Intellectual Software__

Street or P.O. Box __798 North Avenue__

City __Bridgeport__ State __CT__ Zip __06602__ Phone (800) __232-2224__

Author(s) _____

Programmer(s) _____

### II. HARDWARE REQUIREMENTS

Microcomputer* __Apple IIe, IIc, II+ (48k), IBM PC & PCjr (64k) Macintosh (128k)__
(brand/model)

K Memory Required _____
(number)

Medium of Transfer (include number of each):

___ Tape cassette          X 5¼" Flexible disk          ___ Other_____
___ ROM cartridge          ___ 8" Flexible disk
                                                          (specify)

Programming Language _____ DOS Specifications _____

Other Specifications _____

Peripherals Needed (check all that apply):

___ Color monitor          ___ Modem                    ___ Clock
X One disk drive           ___ Mouse                    ___ Video disk
___ Two disk drives        ___ Printer                  ___ Touch screen
___ Plotter                ___ Graphics tablet          ___ Ten-key number
___ Game paddle(s)         ___ Light pen                     pad
___ Joystick(s)            ___ Voice/sound              ___ Other_____
                               instrument                    (specify)

*NOTE: Provide the above information for any additional hardware on which this program can be used. _____

__Machintosh - 3½" disk__

## III. PROGRAM FEATURES (check all that apply):

___Network version provided      X_ Program protected
___Multiple copies required     ___ Data disk needed
___Pr gram can be modified     ___ Field-test data available

## IV. INSTRUCTIONAL SETTING

### Program mode (check all that apply):

___Application     ___ Educational gaming     X_ Tutorial
___Drill and practice     ___ Simulation     ___ Other _____ (specify)

### Student Target Population (check all that apply):

X_ Regular     ___ Handicapped     ___ Bilingual
___ Disadvantaged     ___ Limited English     X_ Gifted

### Grade Level (check all that apply):

___ K-6     X 9-10     X 13-14     ___ Higher Education
___ 7-8     X 11-12     X Adult

### Instructional Grouping (check all that apply):

X_ Individual
X_ Small group (up to 4)     ___ competitive interaction
___ Large group (4 or more)     ___ cooperative interaction

Prerequisite Student Skills (specify) _____

Accompanying Materials (specify types):

    Documentation ____ Print and Program ____

    Student support materials ___ None ___

    Teacher support materials ___ None ___

Correlated materials ___ None ___

Estimated Time for Use ___ 45 minutes ___

## V. AVAILABILITY

___ Free_____ (copies)     X_ Sale $ 44.95

___ Loan_____ (time)     ___ Rent $_____ _____ (time)

___ Duplication (requestor supplies disk)

Copyright Restrictions (explain) ___ Copyright 1983 ___

Back-up Policy (explain) ___ Available for $10.00 ___

Preview Policy (explain) _____

Update Policy (explain) _____

Contact ___ Career Aids, Incorporated ___

    Street or P.O. Box ___ 20417 Nordhoff Street, Dept. K65 ___

    City Chatsworth ___ State CA ___ Zip 91311 ___ Phone 818 ) 341-8200

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## Part B: Courseware Evaluation Criteria

Indicate the applicability of each section to the courseware being evaluated by checking either "___ A" (applicable) or "___ N/A" (not applicable). If a section is not applicable. proceed to the next section. If a section is applicable. check the column that indicates how well the courseware meets each criterion. Include any comments.

| | YES | SOME-WHAT | NO | N/A | COMMENTS |
|---|---|---|---|---|---|
| I. SUBJECT MATTER X A ___ N/A | | | | | |
| 1. Subject matter has educational value. | X | | | | |
| 2. Student objectives are stated. | | | X | | |
| 3. Subject matter is accurate. | X | | | | |
| 4. Subject matter is logically presented. | X | | | | |
| 5. Subject matter is free of race. ethnic. sex, and other stereotypes. | X | | | | |
| 6. Subject matter is on the level of the students. | X | | | | |
| 7. Information and skills presented are comparable to those used in the home, business. or industry. | | X | | | Home-Personal |
| 8. Subject matter motivates students to learn. | X | | | | |
| 9. Subject matter is reviewed and summarized. | | X | | | Only on incorrect answers |
| 10. Program utilizes the unique capabilities of the microcomputer to present the subject matter. | | | X | | Limited to Reading |
| II. TECHNICAL PRESENTATION X A ___ N/A | | | | | |
| 1. Program is free of technical problems. | X | | | | |
| 2. Presentation rate is adequate to maintain interest. | X | | | | |
| 3. Information on the screen is easy to read. | | X | | | |
| 4. Program is free of spelling and grammatical errors. | | X | | | |
| 5. Program instructions are easy to follow. | | X | | | Initial instructions Confusing |
| 6. Color increases the instructional value of the program. | | | | X | |
| 7. Audio increases the instructional value of the program. | | | X | | |
| 8. Graphics increase the instructional value of the program. | | | X | | Graphics could improve motivation and attention |

| | YES | SOME-WHAT | NO | N/A | COMMENTS |
|---|---|---|---|---|---|
| **III. STUDENT INTERACTION __X__ A ____ N/A** | | | | | |
| 1. Students can use the program with minimal assistance. | X | | | | |
| 2. Students are actively involved in the program. | | X | | | Lots of reading |
| 3. Students control the pace of the program. | X | | | | |
| 4. Students can access the program "menu(s)" to change activities. | X | | | | |
| 5. Students are permitted to change answers. | | | X | | |
| 6. Methods of responding correspond to the level of the program. | X | | | | |
| 7. Students' errors of entry are processed so that the program continues to run. | | X | | | |
| 8. Students can access available "help" and "hint" options at any time. | | | X | | |
| 9. Students can enter or exit the program as desired. | X | | | | |
| 10. Students control the sequence of the program. | | X | | | Not after user is into program |
| **IV PROGRAM INTERACTION __X__ A ____ N/A** | | | | | |
| 1. Feedback is immediate. | X | | | | |
| 2. Cues and prompts are provided to assist students in answering correctly. | | X | | | Information remains on the screen |
| 3. Feedback reinforces the correct responses. | X | | | | |
| 4. Feedback is nonthreatening. | X | | | | |
| 5. Program helps students understand wrong answers. | | | X | | Just highlights correct information |
| 6. Program gives the correct answer after a reasonable number of tries. | | | | X | |
| 7. Positive reinforcement is varied. | | | X | | |
| 8. Program has the ability to branch/loop depending upon students' performance. | | | X | | |
| 9. Feedback is on the level of the student. | X | | | | |
| **V. STUDENT EVALUATION __X__ A ____ N/A** | | | | | |
| 1. Evaluation provides a means for measuring attainment of objectives. | | | | X | No objectives stated |
| 2. Program reports which items were missed and which were correct. | | X | | | No summary |

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| | YES | SOME-WHAT | NO | N/A | COMMENTS |
|---|---|---|---|---|---|
| **V. STUDENT EVALUATION—*Continued*** | | | | | |
| 3. Individual student performance results are available to the teacher. | X | | | | |
| 4. Class performance results are available to the teacher. | | X | | | |
| 5. Program provides for printed copies of evaluations. | | | X | | |
| 6. Test item formats are suited to the material being tested. | | X | | | |
| 7. Test items are clearly stated. | | X | X | | |
| 8. Test item bank is provided. | | | | | |
| **VI. DOCUMENTATION __X__ A __ N/A** | | | | | |
| 1. Documentation is easy to understand. | | X | | | |
| 2. Documentation is accurate. | X | | | | |
| 3. Student objectives are stated. | | | X | | |
| 4. Underlying concepts are outlined. | | | X | | |
| 5. Skills to be developed are specified. | | | | X | |
| 6. Procedures for integrating the program into the curriculum are provided. | | | X | | |
| 7. Follow-up activities are suggested. | | | X | | |
| 8. Documentation explains the intended use of support materials. | | | | X | |
| 9. Sufficient information is provided to operate the program. | X | | | | |
| **VII. WORK BEHAVIORS __ A __X__ N/A** | | | | | |
| 1. Program helps students identify their vocational skills. | | | | | |
| 2. Program promotes pride in work. | | | | | |
| 3. Program promotes productivity. | | | | | |
| 4. Program encourages good work habits. | | | | | |
| 5. Problem solving is encouraged. | | | | | |
| 6. Program promotes good human relations skills. | | | | | |
| 7. Program provides an opportunity for work satisfaction and self-fulfillment. | | | | | |
| 8. Program encourages creativity. | | | | | |

| | YES | SOME-WHAT | NO | N/A | COMMENTS |
|---|---|---|---|---|---|
| VIII. APPLICATION PROGRAMS __ A _x_ N/A (to be completed for application programs only) | | | | | |
| 1. Program is adaptable to the needs of the student. | | | | | |
| 2. Commands are easily remembered. | | | | | |
| 3. Information is easily manipulated. | | | | | |
| 4. Corrections are easy to make. | | | | | |
| 5. Program includes all necessary variables. | | | | | |
| 6. Program performs reliably. | | | | | |
| 7. Program efficiently achieves its intended purpose. | | | | | |
| 8. Trial data are supplied for learning to run the program. | | | | | |
| 9. Program provides for use of printer when hard copy of information is advantageous. | | | | | |
| 10. Program moves from operation to operation efficiently. | | | | | |
| 11. Program is compatible with other application programs. | | | | | |
| 12. Program has a supplementary tutorial program available. | | | | | |

Part C: Courseware Evaluation Summary

1. SUMMARY COMMENTS

   Identify strengths of the courseware:
    Individualizes technical information (special populations - pregnant teens).
    Accurate information provided efficiently.
    Easy to use.
    Little supervision required.
   Identify weaknesses of the courseware:
    Intensive reading.
    Little visual or auditory variety
    Lacks stimulations
    Doesn't review information or give additional information for those who don't understand
   Describe uses of the courseware in an instructional setting:
    Individualization of course information
    Small group.

2. SUMMARY OF SECTION

   Rate the quality of the courseware for each applicable section of this form by checking the appropriate column; if not applicable, check N/A.

| | YES | SOME-WHAT | NO | N/A |
|---|---|---|---|---|
| I. SUBJECT MATTER: Content has educational value. | X | | | |
| II. TECHNICAL PRESENTATION: Program is free of malfunctions. | | X | | |
| III. STUDENT INTERACTION: Students are actively involved with the program. | | X | | |
| IV. PROGRAM INTERACTION: Feedback is effectively employed. | | X | | |
| V. STUDENT EVALUATION: Evaluation adequately measures student progress. | | X | | |
| VI. DOCUMENTATION: Documentation is sufficient to run the program. | | X | | |
| VII. WORK BEHAVIORS: Program assists students in developing positive work attitudes and skills. | | | | X |
| VIII. APPLICATION PROGRAMS: Program performs the task for which it is intended. | | | | X |

3. FINAL RECOMMENDATION

   Check your recommendation for the courseware and explain your reasons below.

   ___ Highly recommend          _X_ Recommend with reservations
   ___ Recommend                 ___ Do not recommend

   See weaknesses above.

   Self-motivated students could use this.

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| | ORDER NUMBER | PRICE |
|---|---|---|
| • Microcomputer Courseware Evaluation: Form and Guide for Vocational and Technical Education | SN 44 | $2.50 |

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| | | |
|---|---|---|
| • Microcomputers in Voc Ed: A Decision Guide | RD 239 A | $8.75 |
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Microcomputer Courseware Evaluation Guide: Form and Guide
for Vocational and Technical Education

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