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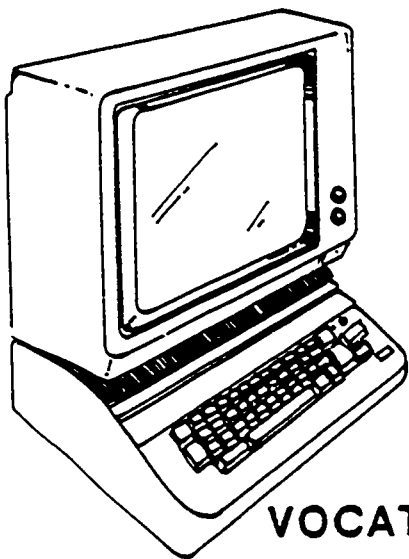
DESCRIPTORS Allied Health Occupations Education; *Communicable Diseases; Computer Software Reviews; *Courseware; *Disease Control; Instructional Material Evaluation; *Nursing; Occupational Safety and Health; Postsecondary Education; Secondary Education

ABSTRACT

This courseware evaluation rates the "Safety Measures with Communicable Diseases" program developed by Lane Community College in Eugene, Oregon. (This program--not contained in this document--is designed to teach means of preventing the spread of communicable respiratory diseases and ways of protecting oneself.) Part A describes the program in terms of subject area (allied health, nursing) and hardware requirements (Apple II+, IIe, IIc), indicates its suitability for use as a tutorial for grades 11-adult, and gives a time estimate for use (30 minutes). Availability information includes cost (\$5.00), loan policy (4 weeks), and address of the seller, the Oregon Department of Education. Part B contains the evaluation criteria in eight categories; reviewer ratings appear as yes, somewhat, no, and not applicable, with explanatory comments. Part C summarizes the evaluation. This courseware received overall ratings of "yes" in the categories of subject matter, technical presentation, program interaction, and documentation; and "somewhat" for student interaction and student evaluation. Work behavior and applications programs were not applicable. The program is recommended for use as a tutorial. (SK)

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ED271570



SAFETY MEASURES WITH
COMMUNICABLE DISEASES

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 and evaluate microcomputer courseware, and to 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.

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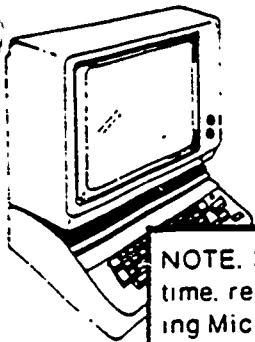
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COURSEWARE EVALUATION FORM

Part A: Courseware Description

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

Evaluator Stephen Yarbrough
 Position Curriculum Specialist
 Date May 16, 1986

Part A: Courseware Description

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

I IDENTIFICATION

Program Title Safety Measures with Communicable Diseases Date 1982
 Series Title CAI: Health Occupations.
 Vocational Area(s) Health
 Subject Area(s) Allied Health
 Topic(s) Nursing
 Developing Agency Lane Community College
 Street or P.O. Box 4000 East 30th Avenue
 City Eugene, State OR Zip 97405 Phone (503) 747-4501
 Author(s) Fisher, Carolyn
 Programmer(s) James, Michael A.

II HARDWARE REQUIREMENTS

Microcomputer Apple II+, IIe, IIc (brand/model)
 K Memory Required .48K (number)
 Medium of Transfer (include number of each):
 Tape cassette
 ROM cartridge
 5.25" Flexible disk
 8" Flexible disk
 Other _____ (specify)
 Programming Language _____ DOS Specifications _____
 Other Specifications _____
 Peripherals Needed (check all that apply):
 Color monitor
 One disk drive
 Two disk drives
 Plotter
 Game paddle(s)
 Joystick(s)
 Modem
 Mouse
 Printer
 Graphics tablet
 Light pen
 Voice/sound instrument
 Clock
 Video disk
 Touch screen
 Ten-key number pad
 Other _____ (specify)

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

III. PROGRAM FEATURES (check all that apply):

- Network version provided
- Multiple copies required
- Program can be modified

- Program protected
- Data disk needed
- Field-test data available

IV. INSTRUCTIONAL SETTING

Program mode (check all that apply):

- Application
- Drill and practice

- Educational gaming
- Simulation

- Tutorial
- Other _____ (specify)

Student Target Population (check all that apply):

- Regular
- Disadvantaged

- Handicapped
- Limited English

- Bilingual
- Gifted

Grade Level (check all that apply):

- K-6
- 7-8
- 9-10
- 11-12

- 13-14
- Adult

- Higher Education

Instructional Grouping (check all that apply):

- Individual
- Small group (up to 4)
- Large group (4 or more)

- competitive interaction
- cooperative interaction

Prerequisite Student Skills (specify) _____

Accompanying Materials (specify types):

Documentation one page

Student support materials _____

Teacher support materials _____

Correlated materials _____

Estimated Time for Use Thirty minutes

V. AVAILABILITY

Free _____ (copies)

Sale \$ 5.00

Loan 4 weeks (time)

Rent \$ _____ (time)

Duplication (requestor supplies disk)

Copyright Restrictions (explain) Copyrighted by the Oregon Department of Education; may copy with permission.

Back-up Policy (explain) _____

Preview Policy (explain) _____

Update Policy (explain) _____

Contact Division of Vocational Education, Oregon Department of Education

Street or P.O. Box 700 Pringle Parkway SE

City Salem, State OR Zip 97310 Phone (503) 378-2713

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 <u>X</u> 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				
8. Subject matter motivates students to learn.		x			
9. Subject matter is reviewed and summarized.		x			
10. Program utilizes the unique capabilities of the microcomputer to present the subject matter.	x				
II. TECHNICAL PRESENTATION <u>X</u> 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			1 spelling error
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				

Part B: Courseware Evaluation Criteria

	YES	SOME- WHAT	NO	N/A	COMMENTS
III STUDENT INTERACTION <u>x</u> A ___ N/A					
1 Students can use the program with minimal assistance.	x				
2 Students are actively involved in the program.	x				
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		
IV PROGRAM INTERACTION <u>x</u> A ___ N/A					
1 Feedback is immediate.	x				
2. Cues and prompts are provided to assist students in answering correctly	x				
3. Feedback reinforces the correct responses.	x				
4 Feedback is nonthreatening.	x				
5. Program helps students understand wrong answers.	x				
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 <u>x</u> A ___ N/A					
1 Evaluation provides a means for measuring attainment of objectives.	x				
2. Program reports which items were missed and which were correct.	x				

	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				
8. Test item bank is provided.			x		
VI. DOCUMENTATION <u>x</u> A ___ N/A					
1 Documentation is easy to understand.	x				
2. Documentation is accurate.	x				
3 Student objectives are stated.	x				in program and print
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 <u>x</u> 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:

Identify weaknesses of the courseware:

Describe uses of the courseware in an instructional setting:

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

Part C: Courseware Evaluation Summary

3. FINAL RECOMMENDATION

Check your recommendation for the courseware and explain your reasons below

Highly recommend
 Recommend

Recommend with reservations
 Do not recommend

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**Microcomputer Courseware Evaluation Guide: Form and Guide
for Vocational and Technical Education**

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