ABSTRACT
        This courseware evaluation rates the Interior Design
Simulator program developed by Orange Juice Software Systems. (This
program--not contained in this document--allows the user to design a
room of any shape with maximum dimensions of 14 x 26 feet.) Part A
describes the program in terms of subject area (furniture
arrangement) and hardware requirements (Apple II series), indicates
its suitability for use as a tutorial or simulation for grades 9-12,
and gives a time estimate (30-45 minutes). Availability information
includes cost ($50.00), preview policy (30 days), and contact
address. 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. The
program was rated yes for subject matter and somewhat for technical
presentation, student and program interaction, student evaluation,
documentation, and work behaviors. Strengths include good simulation
of furniture arranging, but reviewers suggested a need for more rules
and more application questions. The program is recommended for a
class in basic furniture arranging to give students practice. (SK)
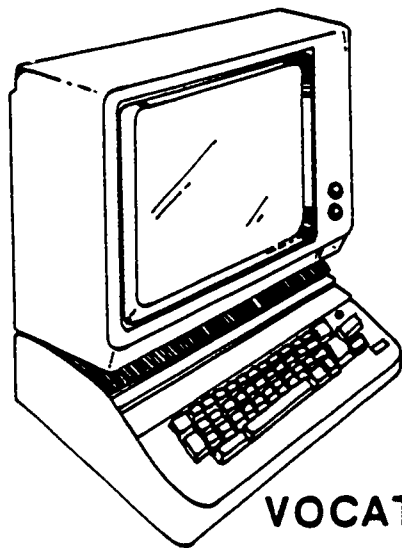
THE INTERIOR DESIGN SIMULATOR,

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.
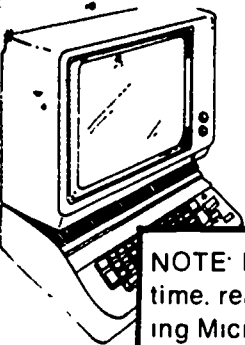
THE NATIONAL CENTER
FOR RESEARCH IN VOCATIONAL EDUCATION
THE OHIO STATE UNIVERSITY
1960 KENNY ROAD · COLUMBUS, OHIO 43210

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 Nancy Worts; Cheryl Adams; Nadine Hergesheimer; Linda Rice

Position Teacher Educators

Date 8/16/87

Part A: Courseware Description

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

I IDENTIFICATION

Program Title The Interior Design Simulator.   Date 1984

Series Title _____

Vocational Area(s) Home Economics

    Subject Area(s) Interior Design

    Topic(s) Furniture Arrangement

Developing Agency Orange Juice Software Systems

    Street or P.O Box 338 South Arch Avenue

    City New Richmond,   State WI   Zip 54017   Phone(715) 246-3588

    Author(s) _____

    Programmer(s) _____

II HARDWARE REQUIREMENTS

Microcomputer* Apple II+, IIe, IIc

                        (brand/model)

K Memory Required 48K

         (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	X Printer	__ Touch screen
__ Plotter	__ Graphics tablet	__ Ten-key number
__ Game paddle(s)	__ Light pen	pad
__ Joystick(s)	__ Voice/sound instrument	__ Other _____ (specify)

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

_____

_____

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III PROGRAM FEATURES (check all that apply)·

___ Network version provided

_X_ Multiple copies required

___ Program can be modified

_X_ Program protected

_✓_ Data disk needed

_✓_ Field-test data available

IV. INSTRUCTIONAL SETTING

Program mode (check all that apply)·

___ Application

___ Drill and practice

___ Educational
    gaming

_X_ Simulation

_X_ Tutorial

___ Other _____
              (specify)

Student Target Population (check all that apply):

___ Regular

___ Disadvantaged

___ Handicapped

___ Limited English

___ Bilingual

_X_ Gifted

Grade Level (check all that apply):

___ K-6

___ 7-8

_X_ 9-10

_X_ 11-12

___ 13-14

___ Adult

___ Higher
    Education

Instructional Grouping (check all that apply):

_X_ Individual

_X_ Small group (up to 4)

___ Large group (4 or more)

___ competitive interaction

_X_ cooperative interaction

Prerequisite Student Skills (specify) _____

Accompanying Materials (specify types):

Documentation _____ Instruction Book _____

Student support materials _____

Teacher support materials _____

Correlated materials _____

Estimated Time for Use ___ 30-45 minutes _____

V. AVAILABILITY

___ Free _____
         (copies)

___ Loan _____
         (time)

___ Duplication (requestor supplies disk)

_X_ Sale $ 50.00

___ Rent $ _____   _____ _____
                            (time)

Copyright Restrictions (explain) __ All rights reserved. _____

Back-up Policy (explain) _____ $10.00, for Back-up. _____

Preview Policy (explain) _____ 30-days _____

Update Policy (explain) _____

Contact __ Orange Juice Software Systems _____

Street or P.O. Box __ 338 South Arch Avenue _____

City __ New Richmond, ____ State __ WI. ____ Zip __ 54017 ____ Phone (715) 246-3588

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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 mat* ₋ 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 _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			
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				

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	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				
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 X 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 X 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			

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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	
8. Test item bank is provided.				X	
VI. DOCUMENTATION __XA __ N/A					
1 Documentation is easy to understand.		X			Fails to tell you to use caps in responses
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 _x_ A __ N/A					
1. Program helps students identify their vocational skills.			X		
2. Program promotes pride in work.		X			
3 Program promotes productivity		X			
4 Program encourages good work habits.		X			
5. Problem solving is encouraged		X			
6. Program promotes good human relations skills.			X		
7. Program provides an opportunity for work satisfaction and self-fulfillment		X			
8 Program encourages creativity		X			

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	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.					

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1 **SUMMARY COMMENTS**

Identify strengths of the courseware
Teaches the very basic furniture arrangement rules. Good simulation of furniture arranging.

Identify weaknesses of the courseware
Needs to have more rules for arrangement, plus more questions dealing with thier application.

Describe uses of the courseware in an instructional setting·
Use in a class on basic furniture arranging to give students practice.

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   ___ Recommend with reservations
_X_ Recommend   ___ Do not recommend

Program would be good for students to practice on.

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