Sample C.A.I. Lessons with Voice Response

There are two advantages of having voice output in your elementary C.A.I. program. The first is providing verbal instructions to your students who cannot read well enough to interact with the computer. The second is providing verbal reinforcement to your students.

To give you an example of how voice can be incorporated in a C.A.I. program, two sample lessons have been developed. The first is a fraction drill and practice lesson. The second is a spelling lesson. The left-hand column represents information that is printed and the right-hand column represents spoken information.

Fraction Drill

Printed	Spoken
FRACTIONS FROM ICSP-CV HOUGHTON-MIFFLEN COMPANY	Fractions from ICSP-CV, Houghton-Mifflen Company.
	Fractions are easier when you know what they represent. When you are asked to type a fraction, do it this way:
6/8	
| ```
+--+--+--+
I  I  I  I
+--+--+--+
``` | Six-eights, numerator slash denominator. Do not reduce the fraction. Let's try some problems. |
| EQUAL PARTS ? 4 NO | How many equal parts? No. Try again. |
| EQUAL PARTS ? 3 GOOD | |
| ```
+--+--+--+
I  IXXIXXI
+--+--+--+
``` | How many parts have been shaded? |
SHADED PARTS ? 2 GOOD	
FRACTION ? 2/3	Type a fraction for the shaded area. Do not reduce.
GOOD	(the lesson continues)

Spelling Drill

Printed	Spoken
	Hello, John. My name is VOTRAX. I hope you will enjoy today's problems. Time to start. Remember, type the answer and push the return key.
	Please spell exit. Ex-it. That door is the Fire Ex-it.
? XIT	I am sorry, that is not correct. Please try again. Spell Exit. Ex-it. That door is the Fire Ex-it.
? EXIT	Correct, very good. Please spell assist. A-sist. I am going to A-sist you.
? ASSIST	Correct, good. (The lesson continues)
	That is all the time available. I will see you later.

These two lessons are just an example of how VOTRAX will enhance your C.A.I. program. Before VOTRAX, you could not use curricula requiring voice response—now you can.

Fraction and spelling are just two curriculum examples using voice. Imagine the opportunities for expanding your C.A.I. program with voice response!

Votrax in Elementary Computer-Assisted Instruction

Every student's ability to speak precedes his or her ability to read or write. The use of voice response in your computer-assisted instruction (C.A.I.) program will enhance the learning process.

The combination of sight and sound allows your C.A.I. program to function more effectively in remedial applications by providing verbal reinforcement to the visual display. Voice response enables your students, especially those in kindergarten through the third grade, to use your C.A.I. program when their reading ability ranges from nil to limited.

Votrax is a Breakthrough in C.A.I.

Until now, the use of voice in C.A.I., although needed, has been limited because of the physical size, high cost, and limited speaking vocabularies of previous equipment.

VOTRAX is a unique product that now makes possible the use of voice response in your C.A.I. program because of the following

Features	Benefits
• Unlimited vocabulary	• Speech tailored to your curricula requirements
• Electronic, solid state	• No moving parts means minimum maintenance cost
• Small size	• Measuring just 11" x 10" x 3", it can be mounted or located in almost any available space.

VOTRAX Makes Your Terminal Talk

The VOTRAX "wake-up" feature permits your terminals, whether they are CRT or teleprinter, to talk to your students. This device permits speech data to be transmitted over the same communications line that carries printed data. A simple control character sequence supplied by the computer program separates printed data from speech data. Thus the effect to your students is a combined presentation of verbal and printed information.

Voice at a Small Cost

VOTRAX is inexpensive to purchase. Its unique features enable it to be low priced. Its solid-state design reduces the need for maintenance. VOTRAX shares the same communication line with your terminal, so, telephone line charges are held to a minimum. And, because VOTRAX has an unlimited vocabulary capability, speech can be developed to meet your vocabulary requirements. Not only is VOTRAX inexpensive to purchase, but it's inexpensive to operate!

Your Move

VOCAL INTERFACE DIVISION of Federal Screw Works welcomes the opportunity to discuss with you, your C.A.I. program and the many advantages of adding voice to your C.A.I. curricula. Please write or call.

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