Using Technology Successfully

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Universal Design for Learning

Designing your course to engage students in the learning process.

Curriculum Design Guidelines

- Multiple representations of content
- Flexible means of expression
- Flexible means of engagement
- Flexible means of assessment

Curriculum Design Guidelines

- Multiple representations of content

- Flexible means of engagement

Flexible Means of Engagement

- Novelty and familiarity

- Flexibility of curricular materials

……. Technology in the classroom

Guidelines

Have clear learning objectives

These drive everything about the course!

Guidelines….

Match method to:

- Topic being taught
- Students doing the learning

Resources

Catalyst - University of Washington

http://catalyst.washington.edu

NTID/TIR PEN….

web site….

Technology - Please!

- Captioned films
- PowerPoint notes
- Computer Work
- "Smart" classrooms
- Bells and whistles!!!(visual noise)

Integrating Technology in the Classroom

The Interpreter Connection
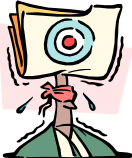
Classroom Communication

More fun than a 3-ring circus!

Visual overload?

You are the ringmaster!!

Tips for integrating interpreting

- Line of sight
- Pacing of information
- Referencing
- Information turn taking
- Easy on the eyes!(and hands)

QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.

Paper presented at the Instructional Technology and Education of the Deaf Symposium
National Technical Institute for the Deaf
Rochester, New York   June 2005
http://www.rit.edu/~techsym   M1B   2

One look at a time!

- Color Coding
- Vocabulary
- Equations
- Explanation of visuals
- The 1's have it

$Y=mx+b$

$Y-b=mx$

When moving elements from one side of the equation to another

Be careful ....+ and - will CHANGE.

Points to Remember!

- Don't make 'em guess!
- Use graphics to help
- Key information should be visible
- Beware of technology overload.

Resources

- Project Access - Promoting Access for Deaf and Hard-of-Hearing Students   www.rit.edu/classact
- NCI (National Captioning Institute) www.ncicap.org
- NCD (National Council on Disability), Access to Multimedia Technology by People with Sensory Disabilities, March 13, 1998 www.**ncd**.gov/newsroom/publications/1998/superhwy.htm
- COMETS/NTID (Clearinghouse on Mathematics, Engineering, Technology, and Science), Technology in the Classroom: Captions www.rit.edu/~comets/