Use of a Multimedia Classroom

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This Presentation Based on Work of…

- *Technology Tips*
- Kathleen Eilers crandall, Ph.D.
- www.rit.edu/~kecncp/

- *Best Practices*
- Douglas MacKenzie, Au.D.
- www.rit.edu/~djmnca/

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Objectives

- Using Multimedia Classroom to Enhance Learning
- Preparation of Materials
  - Design & Production
- Presentation Strategies & Use of a Multimedia Classroom

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How to Prepare for Class

- More time when first using technology; less time once technology is in place.
- Allow lots of set up time.
- Go to room the day before class & practice
- Keep notes of set up steps
- Have alternative plans if technology fails

From: "Technology Tips for the Classroom" by Kathleen Eilers crandall , June 1999 NTID/RIT. Used with permission of the author.

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Technology Should Enhance..

- Use technology when it serves a specific purpose.
- If technology gets in the way of teaching, don't use it!
- Technology does not make teaching better or even easier.

From: "Technology Tips for the Classroom" by Kathleen Eilers crandall , June 1999 NTID/RIT. Used with permission of the author.

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Communication Issues

- Establish a communication plan
- Equipment can reduce visibility
- Have a plan to regain student attention
- Keep switching between computer displays to minimum.

From: "Technology Tips for the Classroom" by Kathleen Eilers crandall , June 1999 NTID/RIT.
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Logistical Concerns

- Scheduling a "Smart" classroom
- Learning to use and troubleshoot equipment
- Time for equipment set-up and break-down
- Equipment obstacle course

From: "Deaf Students and Technology: Best Teaching Practices" PowerPoint Presentation , November 9, 2001
by Sam Holcomb and Doug MacKenzie. NTID/RIT   8

Logistical Concerns

- Will technical help be available?
- Need for a back-up plan
- Installing new software
- Different software versions in office vs. classroom
- Okay…whose been messing with the equipment?

From: "Deaf Students and Technology: Best Teaching Practices" PowerPoint Presentation , November 9, 2001
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Classroom management issues

- Where do I stand for best communication?
- What lighting is best for communication?
- Lack of writing (whiteboard) space
- Projecting more than one source
- What effect is technology having on faculty sign skills?

From: "Deaf Students and Technology: Best Teaching Practices" PowerPoint Presentation , November 9, 2001
by Sam Holcomb and Doug MacKenzie. NTID/RIT   10

Let's discuss the following...

- Visualizer
- PowerPoint
- Web

From: "Deaf Students and Technology: Best Teaching Practices" PowerPoint Presentation , November 9, 2001
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Document Camera "Visualizer"

- Used to display…
  - articles
  - objects
  - slides
  - video

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Document Camera "Visualizer"

- Advantages…
  - great for showing objects (pagers, TTY display)
  - "zoom" function for small print and fine detail

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Document Camera "Visualizer"

- Limitations…
  - poor resolution for text
  - glare
  - barrier to communication

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PowerPoint®

- Strengths…
  - No overhead transparencies!
  - Visual
  - Outline format useful for preparing lectures
  - Insert video and hot links
  - Quick revisions

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PowerPoint®

- Strengths…
  - Easy to post on the web
  - Handouts
  - High-tech look
  - Keeps students focused on topic
  - Can send as an e-mail attachment

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PowerPoint®

- Weaknesses…
  - Overused!
  - Too much text
  - Selecting good color schemes
  - Typography issues
  - Overuse of animation
  - Not flexible
  - Requires more preparation time

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Web

- Strengths…
  - Visual
  - Current
  - Interesting
  - Interactive
  - Good for organization of course materials

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Web

- Weaknesses…
  - Problems with roaming IP addresses
  - What's there today may look different or be gone tomorrow
  - Can be visually distracting

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Web

- Weaknesses…
  - Some students have difficulty evaluating web content:
    - credibility
    - bias
    - fact vs. opinion
    - parody sites

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Students with vision problems

- Room lighting
- Seating
- LCD projector
- Individual computer workstations
- Color choices (text and background)
- Glare from projector and Visualizer

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References

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- "Deaf Students and Technology: Best Teaching Practices" PowerPoint Presentation , November 9, 2001 by Sam Holcomb and Doug MacKenzie. NTID/RIT.

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