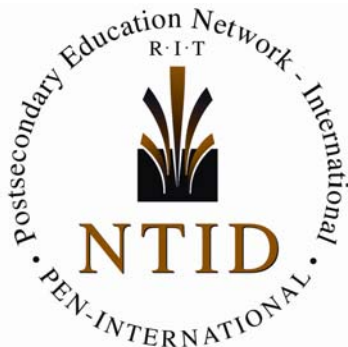


# Teaching & Presentation Strategies for a Multimedia Classroom

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# [ Objectives ]

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



# [ 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

# [ 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.

# [ Communication Issues ]

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

# [ Logistical Concerns ]

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

# [ 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?



# 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?

# [ Let's discuss the following... ]

- Visualizer
- PowerPoint
- Web



# Document Camera “Visualizer”



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

# Document Camera “Visualizer”



- Advantages...
  - great for showing objects (pagers, TTY display)
  - “zoom” function for small print and fine detail

# Document Camera “Visualizer”



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

# [ PowerPoint® ]



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

# [ PowerPoint® ]



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

# [ PowerPoint® ]



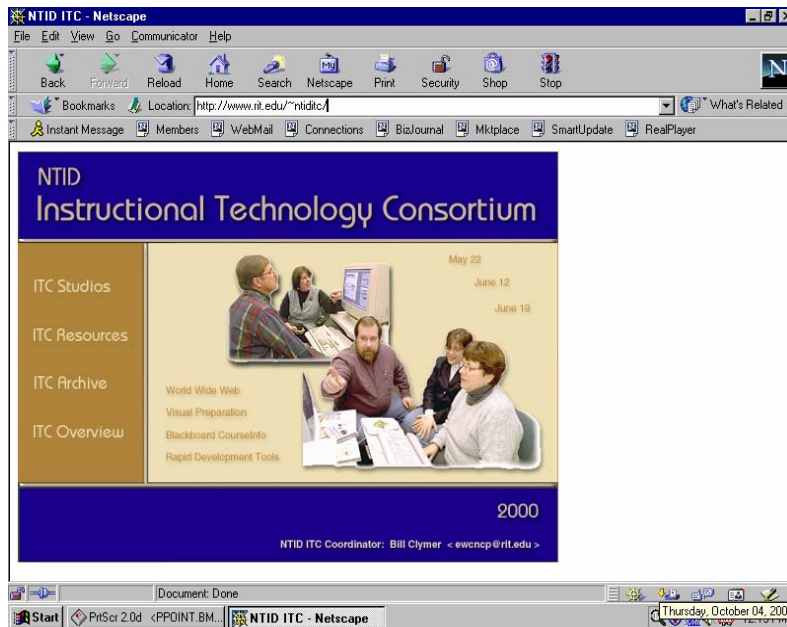
## ■ Weaknesses...

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

preparation time

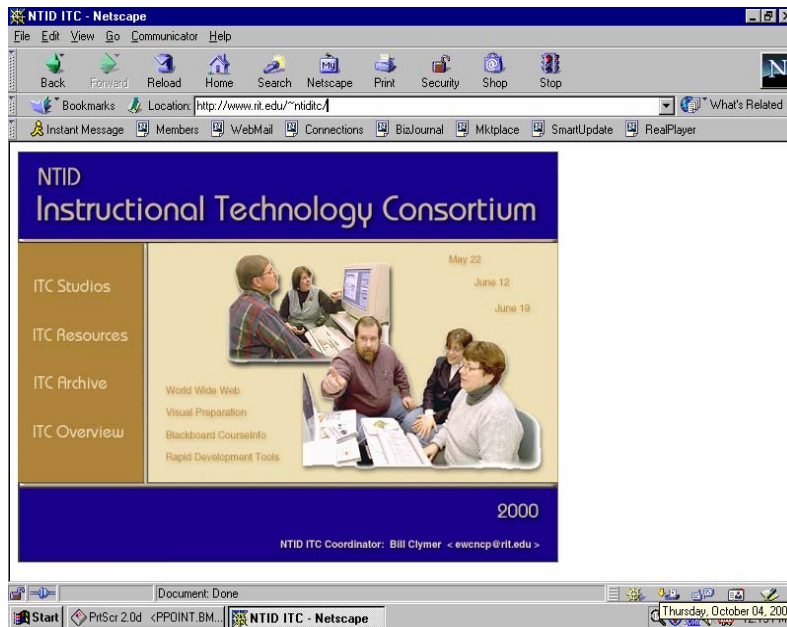


# Web



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

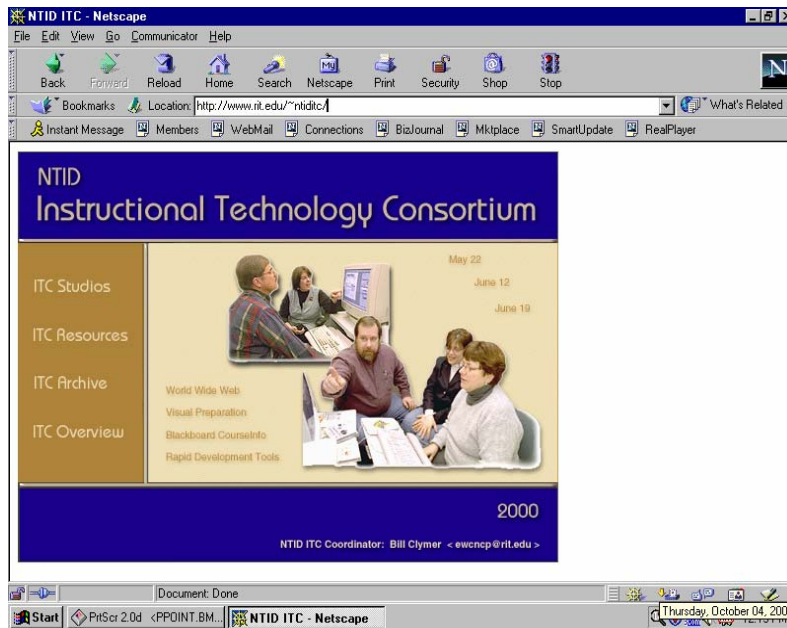
# Web



## ■ Weaknesses...

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

# Web



## ■ Weaknesses...

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

# [ Students with vision problems ]

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

# [ Discussion ]

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