

# Using Technology in the Classroom

Gary G. Bitter & Jane M. Legacy

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# Producing and Presenting, Including Podcasting and Digital Storytelling



# Focus Questions:

- In what ways might the specific purpose for a multimedia production guide the planning?
- What forms of media can be used to enhance instructional presentations?
- What preparations must be made in advance of giving a technology-aided presentation?
- What role can digital storytelling play in education?

# Focus Questions:

- What role can podcasting play in education?
- How can streaming video be used in the classroom?
- What is the role of storyboarding in a multimedia project?
- What are hardware issues and concerns to be aware of in preparing and presenting multimedia presentations or projects?

# Focus Questions:

- What are software issues and concerns to be aware of in preparing and presenting multimedia presentations or projects?
- Where can you find streaming video content for preparing and teaching a lesson?

# What is Multimedia ...

Integration of different media:

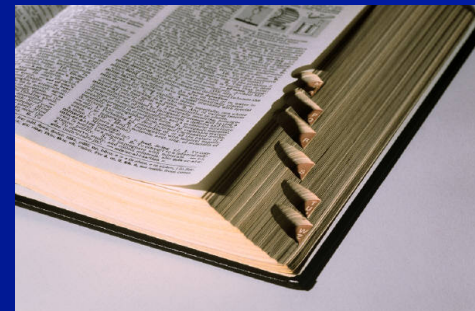
- Text
- Graphics
- Video
- Audio
- Animation



# Planning and Research Preparation...

## 1. Defining the Purpose

- Lessons
- Research Projects
- Stories or Games
- Parent or Community Informational Works
- Electronic Portfolios



# Planning and Research Preparation...

## 2. Background Research

- Require strong, accurate content
- Multimedia should enhance material not distract from it

## 4. Storyboarding

## 5. Screen Design



# Multimedia Design Issues...

**FIGURE 14.1** | Multimedia design issues.

1. Limit the amount of text on each screen. Different audiences of students can handle varying amounts of text, but leave some space around the text or use graphics to break up large text pieces.
2. Choose a font that will be legible to learners. Some fonts prove easier to read when viewed on a computer screen or when projected up on the wall. A sans serif font, one without any decorative letter features, in a size of between 18 to 24 points is the easiest to read from a distance.
3. Use phrases or just keywords rather than complete statements.
4. Words written in all capital letters are difficult to read. Underlined text should be reserved for hypertext links only.
5. Use colors appropriate for the topic and audience. Be sure text color contrasts with the background color, such as light text on a dark background or dark text on a light background.
6. Use graphics or other media elements for a real purpose rather than for mere decoration.

# Producing Multimedia Elements...

## 1. Text

- Place text next to a graphic
- Convert sentences to lists
- Use white space
- Use headings as content summarizers
- Place complex information into tables



# Producing Multimedia Elements...

## 2. Fonts

- Basic fonts
  - Serif, Sans serif, **Script**
- Novelty **CAB**
  - Special purpose: ☒ ➡ 🔧 ✓ 👍 ➡
- **Colors**
- **Size**
- *Style*, **Style**, Style

# Producing Multimedia Elements...

## 3. Graphics

- Clipping
- Drawing and Painting
- Screen Capture
- Scanning
- Taking Digital Pictures



# Producing Multimedia Elements...

## 4. Video

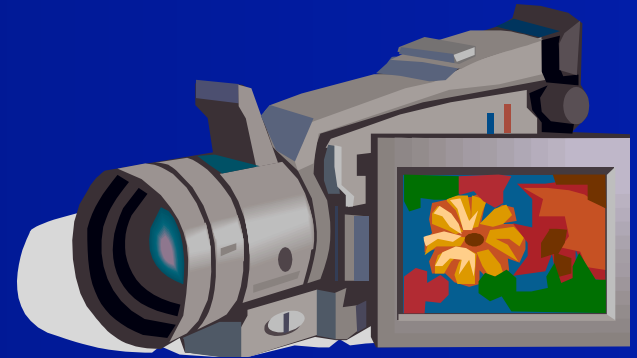
- Video Clips

<http://Realguide.real.com>

<http://windowsmedia.com>

<http://broadcast.com>

- Digitizing Pre-recorded Video
- Recording Digitally



# Producing Multimedia Elements...

## 5. Audio

- Sound Effects and Music
- Recording Sounds
- Creating Sounds



# Producing Multimedia Elements...

## 6. Animation

- Premade Animations
- Animating
  - Flash
  - [www.tucows.com](http://www.tucows.com)



# Authoring Multimedia Productions...

## Building Blocks

- Slides / Cards

## Objects

- Text Fields
- Graphics
- Media Buttons

## Transitions



# PowerPoint Quick Tips...

## FIGURE 14.2 | PowerPoint quick tips.

1. Know your subject. Make sure you have all the facts at your fingertips.
2. Speak with enthusiasm and be sincere.
3. Organize your presentation logically. Start by telling the audience what you are going to tell them. End by telling them what you told them. Put the details in between.
4. Make sure that your slides have a coherent, consistent look. (Use a template.)
5. Create short titles that have meaning.
6. Use bullets and write short statements that focus readers' attention on the main points.
7. Do not read the bullets; instead, talk about the details that support them.
8. Use photos and charts to illustrate when they help you make a point.
9. Use cute features such as transitions and animations sparingly.
10. Provide a printout of your slides. If you hand them out at the beginning, the audience may even take notes.

Source: Solomon (2004, June). E-Communications 101. *Technology and Learning*, 24 (11), 56.

# Presenting with Multimedia Technology...

## ■ Hardware

- Computer, Projector, Display  
([www.aver.com](http://www.aver.com))

## ■ Software

- KidPix (Learning Co.)
- PowerPoint (Microsoft Corporation)
- Apple iMovie (Apple Computer, Inc.)
- HyperStudio (Knowledge Adventure)

## ■ Preparation – PRACTICE!

# Digital Storytelling...

Educational uses of Digital Storytelling ( [www.coe.uh.edu/digital-storytelling/introduction.htm](http://www.coe.uh.edu/digital-storytelling/introduction.htm))

The elements of digital storytelling ( [www.inms.umn.edu/elements](http://www.inms.umn.edu/elements))

Digital story telling: Photography and video  
([www.adobe.com/education/digkids](http://www.adobe.com/education/digkids))

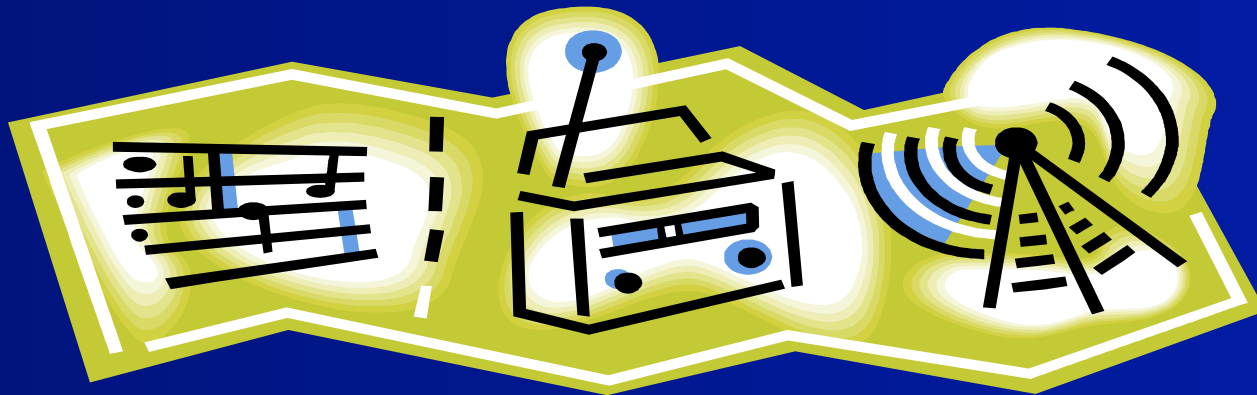
Photostory

([www.hetq.am/eng/photostory](http://www.hetq.am/eng/photostory))

([www.microsoft.com/windowsxp/using/digitalphotography/photostory/default.msp](http://www.microsoft.com/windowsxp/using/digitalphotography/photostory/default.msp))

# Podcasting...

- Producing and presenting multimedia files, over the Internet for playback on mobile devices and personal computers. - Wikipedia



# Podcasting...

## Information on podcasting:

- <http://edtech.ocde.us/learning/podcasting>
- [www.apple.com/education/podcasting](http://www.apple.com/education/podcasting)
- [www.edupodder.com](http://www.edupodder.com)
- [www.podsafeaudio.com](http://www.podsafeaudio.com)
- <http://groups.yahoo.com/group/Podcasting-Education>

## Podcasting software:

- <http://audacity.sourceforge.net>
- [www.apple.com/ilife/garageband](http://www.apple.com/ilife/garageband)
- [www.sonymediasoftware.com](http://www.sonymediasoftware.com)

# The End

Prepared by Carolyn Roy