

Thinking About Technology Integration

Goochland County Public Schools
SY 2004-05



Where are you, now?

Both new, and veteran
teachers, find themselves at
different levels when
integrating the use of
technology.



Levels of Technology Implementation Scale

The LoTi Scale was developed by
Dr. Christopher Moersch

- Level 0 - Non-Use
- Level 1 - Awareness
- Level 2 - Exploration
- Level 3 - Infusion
- Level 4 - Integration
- Level 5 - Expansion
- Level 6 - Refinement



Two Articles

- "Levels of Technology Implementation: A Framework for Measuring Classroom Technology Use"
- "Enhancing Students' Thinking Skills: Exploring Model Technology-Integration Sites"

When We Move Up...

- Instructional Shift from Teacher-Centered to Student-Centered
- Hands-on Inquiry related to problems or themes
- Open-Ended Questions, Portfolios, and Peer Review used for assessment

Technology Integrated Classrooms

- In Classrooms where technology is being used most effectively,
 - Teachers use student ideas to drive their lessons;
 - this encourages self-analysis and data collection that supported student ideas.
 - Students were prompted to challenge each other's conceptualizations and ideas.

How do we move along
the scale?

A New Year, Old Tools

- iMovie
- United Streaming-Video Streaming
- Microsoft Office: Word, Excel, PowerPoint
- Inspiration (Secondary) + Kidspiration (Primary)

A New Year, and New Tools

- iLife
- SubEthaEdit
- Netscape Composer
- TimeLiner
- Media Blender
- Writer's Companion



Idea #1: Digital Portfolios

- Portfolios for You
- Portfolios for Your Students

Idea #2: WebQuests

- Webquests are student-centered, Internet-enabled learning experiences
- You can adopt one of hundreds already published
- Or create your own, sharing it online

Idea #3: Student Web Pages

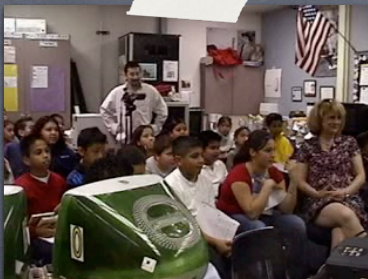
- Using Netscape/Mozilla Composer, students can publish the knowledge they've gained
- Assess their projects using a rubric
- Post their projects online for the world to see

Idea #4: Graphic Organizers

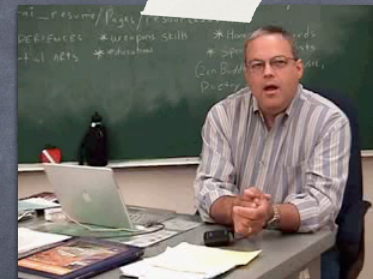
- Key into visual intelligence using either Kidspiration or Inspiration Software
- Develop a variety of webs and graphical maps
- Use the software in every subject area!

Idea #5: Collaborate

- Consider new communications possibilities with iSight Cameras!
- Talk with another classroom in your school, in the county, or across the country.
- Use iChat A/V to teleconference!



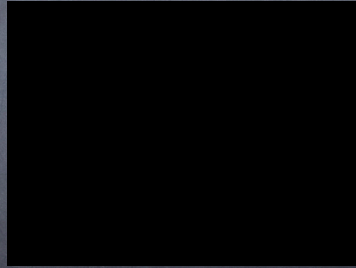
On Location!



Using iSight Cameras

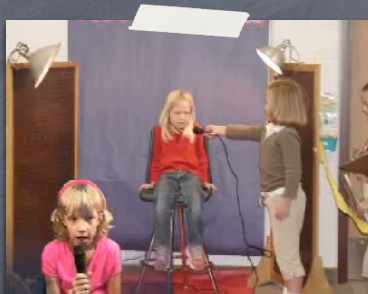
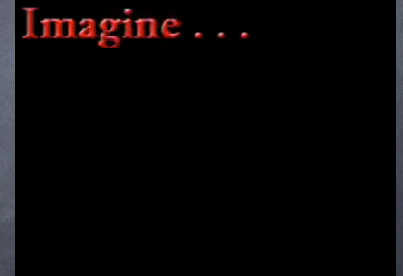
Idea #6: Center-based Use of Computers in the Classroom

- Make the most out of the dedicated machines in your classroom
- Some grades will be receiving specific software titles for their grade level



Idea #7: Imagine with Multimedia

- Notice here how the students are in control of the technology
- It works, but takes planning
- Reserve equipment early for use in your classroom



How do we assess?



Do things go wrong?

Idea #8: Go Paperless

- New features in Word make it great for evaluating writing, and other assignments, without the use of a paper worksheet
- You, and other students, can evaluate student work electronically through audio and written comments

Idea #9: Be a Model

- Blog about your life as an educator
- Maintain an easy-to-create website, with:
 - class news
 - homework assignments
 - hyperlinks on the web

Idea #10: Collaborate in Groups

- Use SubEthaEdit to divide students into groups
- Foster discussion and debate using this collaborative tool
- Maintain an eye on what's going on with Exposé—a feature of OS X Panther

A New Literacy for Digital Kids

Technology Plans

- Focus on Where You Are Now
- How Comfortable Are You with a Computer?
- How do we foster "Digital Teachers"?
- Come up with goals that will raise your personal bar, to the next level of integration