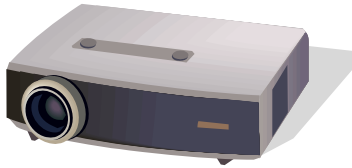


Impacting Instruction with Document Cameras and Projectors

More ideas posted on the Georgetown ISD Technology Curriculum Corner:
<http://www.georgetownisd.org/ccorner/technology/projectors.asp>



Projector Ideas

General

- **Digital resources from your textbook adoption**
- Any website, especially interactive websites
 - Interactive Websites for Grades Pre-K - 12 <http://jc-schools.net/tutorials/interactive.htm>
 - **Please Note:** preview websites in advance to verify that it is appropriate for your class
- **DEStreaming (formerly United Streaming)** - <http://streaming.discoveryeducation.com/>
- **BrainPop** - www.brainpop.com (for campuses that subscribe)
- **K-12 Online Databases** for researching/looking up a topic – free to all Texas public schools!
 - **Talk to your librarian about this if you do not know about these resources.**
 - **General information is here:** <http://web.esc20.net/k12databases>
 - **Encyclopedia Britannica** <http://school.eb.com>
 - **EBSCO** <http://search.ebscohost.com>
- Search the Internet as a class (using Google or another search engine)
 - **Please Note:** try the search yourself **in advance** to verify that your keywords provide the expected results
- **Flash Card Machine** - www.flashcardmachine.com
- Project a handout (Word document) on dry erase board and fill in the blanks on the board
- Give students notes using PowerPoint or Word
- Model the use of a computer program or a particular skill in a computer program
- Ask a student to demonstrate a particular skill in a computer program
- If you have Inspiration or Kidspiration, create Thinking Maps (graphic organizers) as a class
- **Thinkfinity** - <http://www.thinkfinity.org/>

Science

- **NASA TV - Live Events and Mission Coverage** - www.nasa.gov/multimedia/nasatv/index.html
- **NASA Simulations** - <http://www.knowitall.org/nasa/simulations/science.html>
- **National Hurricane Center** - www.nhc.noaa.gov
- **The Computational Laboratory** – Simulations: disease and population studies - <http://tangent.krellinst.org>
- **Discovery Channel Interactives** - <http://dsc.discovery.com/games/games.html>
- **Online Math Applications: Science** - <http://library.thinkquest.org/4116/Science/science.htm>
- **Microscope Simulation** - http://nobelprize.org/educational_games/physics/microscopes/index.html
- **Virtual Courseware Online Simulations** - <http://nemo.sciencecourseware.org/>
- **Galileo's Experiments** - <http://www.pbs.org/wgbh/nova/galileo/>
- **National Computational Science Institute** - <http://www.shodor.org/cserd/>
- **Science Animations, Movies, and Interactive Tutorials** - <http://nhscience.lonestar.edu/biol/animatio.htm>
- **Enzoology** – Enzoology is a kids' science show created by and hosted by eight year old Enzo Monfre – <http://www.enzoology.com>
- **Cells Alive** - <http://www.cellsalive.com/>

Projector Ideas, continued

Social Studies

- Website resources on GISD Social Studies Curriculum Corner - <http://www.georgetownisd.org/ccorner/socstudies/general.asp>
- PBS Lewis and Clark Into the Unknown - www.pbs.org/lewisandclark/into/index.html
- Current Events
 - Any news website
 - CNN Student News – <http://www.cnn.com/studentnews>
 - PBS NewsHour Extra for Grades 7 – 12 – <http://www.pbs.org/newshour/extra/>
 - Channel One – <http://www.channelone.com>
- Political Cartoons - <http://cagle.msnbc.com/politicalcartoons/>
- Atlas of U.S. Presidential Elections - <http://uselectionatlas.org/>
- Online Math Applications: Investing - <http://library.thinkquest.org/4116/Investing/investin.htm>
- Virtual tour of a museum: The Lower East Side Tenement Museum, New York - http://www.tenement.org/Virtual_Tour/index_virtual.html

Language Arts

- Interactive Exercises – <http://www.smic.be/smic5022/onlineexercises.htm>
- AAA Spell - www.aaaspell.com
- Wacky Web Tales - Mad Libs to practice parts of speech - www.eduplace.com/tales
- Look up unfamiliar words while reading together - www.dictionary.com or www.merriam-webster.com
- Find appropriate synonyms - www.thesaurus.com or www.merriam-webster.com
- Visuwords Online Graphical Dictionary - <http://www.visuwords.com/>
- Between the Lions Resources for Early Readers - <http://pbskids.org/lions/>
- Starfall Resources for Early Readers - <http://www.starfall.com/>

Math

- AAA Math - www.aaamath.com
- National Library of Virtual Manipulatives - <http://nlvm.usu.edu/en/nav/vlibrary.html>
 - Please Note: Use these virtual manipulatives online. Do not download anything.
- Interactive Online Math Lessons – Lessons with teacher-supplied plans - http://enlvm.usu.edu/ma/nav/bb_school.jsp?sid=emready&coid=all
- Interactive Mathematics - <http://www.cut-the-knot.org/index.shtml>
- Math Forum Technology Problem of the Week - <http://mathforum.org/workshops/tpow.html>
- NCTM e-Examples - <http://standards.nctm.org/document/eexamples/index.htm>
- Online Math Applications: Science - <http://library.thinkquest.org/4116/Science/science.htm>

Fine Arts

- Virtual tour of a museum: Louvre - http://www.louvre.fr/llv/musee/visite_virtuelle.jsp
- Timeline of Art History - <http://www.metmuseum.org/toah/splash.htm>
- Color Theory at ColorJack - <http://www.colorjack.com/>
- SmART Kids - <http://smartmuseum.uchicago.edu/smartkids/home.html>
- Online Math Applications: Music - <http://library.thinkquest.org/4116/Music/music.htm>
- The Kennedy Center Perfect Pitch - <http://www.artsedge.kennedy-center.org/perfectpitch/>

Technology Applications

- OnGuard Online Cybersafety Games - <http://www.onguardonline.gov/games/overview.aspx>
- Microsoft Office Demos - <http://office.microsoft.com/en-us/help/FX100485311033.aspx>



Document Camera Ideas

General

- Show pages from books for discussion
- Enlarge text for students with vision impairments
- Zoom in on a picture or object to focus on characteristics (such as clothes pioneers wore or animal body parts)
- Display student work examples, give immediate feedback, and have students describe their thought processes
- Grade and discuss homework
- Let students come to document camera and "be the teacher"
- Student Show and Tell
- Model a process
- Demonstrate a new process or procedure that would otherwise be difficult to see in a large group
 - *Examples: folding an origami crane, demonstrating how to use a digital camera*
- Demonstrate assignments and procedures for English Language Learners
- Show an object, picture, and word at the same time to help English Language Learners acquire vocabulary
- Model note taking
- Display visuals to enhance lecture or discussion
- Display graphs and charts
- Show 3-dimensional objects
- Place a timer underneath document camera for doing timed activities
- Display flash cards - math facts, vocabulary
- Categorizing - sorting words or objects
- Graphic organizers - Thinking Maps, KWL chart
- TAKS practice
- Model filling out a form
- Project a hard-copy handout on a dry-erase board

Science

- Science demonstrations - demonstrate chemical reactions, live experiments
- Teach use of measurement tools and use of the thermometer
- Manipulate colored pieces of paper to demonstrate balancing chemical equations
- Science dissections - demonstrate dissection to class, lead students as they dissect their own specimen.
 - *Examples: frog dissection, pick apart an owl pellet*
- Observe live specimens - zoom in on fish scales, salmon eggs. Use the Freeze button.
- Use the document camera's microscope attachment (purchased separately) with a microscope to display anything you can see under a microscope
- Model writing an effective lab conclusion by showing a model example written by a student
- Use the Mirror function to demonstrate symmetry or reflection

Document Camera Ideas, continued

Social Studies

- Maps
- Demonstrate scale on maps
- Display pictures of historical events
- Current events - newspaper and magazine articles, political cartoons
- Artifacts

Language Arts

- Share and edit student writing
- Teacher models writing for students
- Model the physical process of writing - demonstrating hand movements
- Shared reading experience - Make every book a big book
- Correct sentence grammar
- Creative writing - add a line
- Critique student work for Six-Trait Writing
- Create mini topic-specific word walls

Math

- Demonstrate manipulatives - calculator, ruler, compass, protractor, counting coins, and other tools
- Zoom in on units of measurement
- Graph lines on graph paper
- Demonstrate how to count the edges, vertices, and faces of a solid figure
- Work TAKS problems
- Manipulate colored pieces of paper to demonstrate solving equations

Fine Arts

- Model drawing techniques
- Display prints of professional artwork
- Display sheet music