



Images in the Classroom

Using Digital Cameras, Scanners, & Printers

What do I need?

- ✓ a computer
- ✓ a digital camera
- ✓ a scanner
- ✓ a printer
- ✓ a creative imagination - optional (one can always "borrow" creativity from others)

What do I need to know?

- ✓ copyright issues
- ✓ what photo editing software can do
 - basic photo repair (*ie* adjust brightness & contrast, eliminate red-eye)
 - cropping and resizing images
 - projects (*ie* cards, calendars, labels, collages)
 - special effects (*ie* blur, neon, negative, sepia, emboss, etc.)
 - save in different formats (*ie* JPEG, GIF, BMP)
Some editing programs save in their own format. For example, the default format for files saved in Photoshop is *psd* or *pdd*. You should always check the format and change it if necessary when saving an image.
- ✓ photos on the Web
Most images on the Web are in either the JPEG or GIF format. If you wish to publish photos on the Web, they must be in one of these formats. JPEG format is appropriate for photos, while GIF format can be used for line drawings, clip art images, and the like.

NOTES:

What materials can I use with the printer?

- ✓ plain paper
- ✓ photo paper
- ✓ specialty paper
- ✓ card stock
- ✓ construction paper
- ✓ transparencies (inkjet or laser printer type)
- ✓ magnetic paper
- ✓ stickers paper
- ✓ decals
- ✓ shrinky-dinks
- ✓ iron on transfers
- ✓ canvas printer fabric
- ✓ holograph paper
- ✓ post-it notes

(Type the message in a word processing document; add a picture if desired. Print it on plain paper. Place a post-it note over the printed area and run it through the printer again. Hint: If you are going to want the message in color, print the original paper copy in black and white to save ink. You can also create a table and print many post-it's at a time. This is a great way to relay motivational, positive reinforcement, or reminder messages!)

How can I incorporate images into my curriculum?

- ✓ use images to illustrate steps in a procedure when writing "how-to" paragraphs
- ✓ use photos to organize and monitor tasks for special needs students
- ✓ use photo as prompt for writing narratives, descriptions, or comparisons
Use original photos or photos from the Web. Some excellent sources are listed at the end of this handout.
- ✓ class newspaper or newsletter for parents
- ✓ graphics for written reports and presentations
When doing a science project, use digital camera to record progress of experiment and use photos as part of display or report.
- ✓ insert photos when writing letters to pen pals, reading buddies in another grade, etc.
- ✓ write a class novel with live-action photos as illustrations
- ✓ ABC alphabet book
Use digital images or scan real objects to illustrate letters/sounds. This could be a project which older students complete for students in a lower grade or students who need special help with speech patterns.

- ✓ Sequencing lessons
Digital images can be especially useful for sequencing activities which cannot be brought into the classroom.
- ✓ Field trips
Take photos on field trips to be used later for writing activities, newsletters, bulletin boards, web pages etc.
- ✓ Publicity posters to advertise a class play or special project
- ✓ Desk Plates with student photos
A good idea for the beginning of school or for open house.
- ✓ Seating chart with student photos to be used by substitute teachers
- ✓ Illustrate process for complicated projects
- ✓ Illustrate a science experiment or require as part of lab report
- ✓ Student portfolios
- ✓ School Showcase
- ✓ Create a digital time capsule
- ✓ Add student photo and biographical sketch as author page of book or credits slide of presentation

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Where can I find on-line resources and examples?

Kodak Ideas & Projects promotion.kodak.com/simplypictures/ideasProjects.html Great ideas for things to do with pictures.

Canon Print Planet www.canonprintplanet.com Free, easy-to-use projects for school and home.

Hewlett Packard Activity Center www.hp.com (Click on Home & Home Office link and choose Activity Center) Lots of instant projects.

Library of Congress American Memory Collection memory.loc.gov/learn/ Learning Page especially for teachers - lessons, features, activities, tips & tricks for the classroom.

Smithsonian Photographs Online <http://photos.si.edu/> Great historic photographs - be sure to read copyright information.

National Geographic Society www.nationalgeographic.com/photography Awesome photographs and information.

Daguerreian Society Galleries www.daguerre.org/gallindex.php History, science and art of daguerreotype pictures. Daguerreotypes (1840-1855) were images on polished silver. They were

put behind glass, sealed with paper tape so air couldn't tarnish the plate, and put into a small hinged case