

Digital Media Trends, Tips & Tricks for 2010

What's new in digital media hardware, software, gadgets and gizmos & some multimedia production tips

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Handouts and books at www.arnieabrams.net

Presentation Outline

1. Digicams
2. Video news
3. Other gadgets
4. Classroom issues
5. Software news
6. Web trends
7. Cool web sites

1) What's New in Digital Cameras:

- PMA Feb 19
- Something for everybody – from high end to low

Bargain D-SLRs:

- Nikon D3000, \$450
- Canon Rebel XS, \$460
- Olympus E-520, \$420

Tip: Creative controls for creative shots

- Face detection – locks focus and exposure on a face
- GPS – tags locations, place on maps
- WiFi – upload wirelessly
- Lenses – wider, longer and faster

Tip: Sensor size - not megapixels,

- Referred to as ratios- 4/3"

Higher-end Point and shoots -

- PowerShot S90 (\$412), control ring, f2.0
- Panasonic Lumix GF1 interchangeable lenses, f1.7, (\$850)

Wide angle lenses-

- Panasonic Lumix DMC- TZ5 4.7 mm = 28mm

Face recognition & tagging

- Kodak Slice – Slice Search – send it to FaceBook, recognizes up to 20 pre-tagged faces.
- Can also use iPhoto 09 or Photoshop Elements 8

GPS – Geotagging

- Sony
- Facebook
- Samsung CL80
- Smart phone cameras
- GiSTEC

Cell-phone cameras? -

- Focus, flash, GPS
- Samsung Memoir – 8mp, flash, 16x zoom

Tip: Want video?

- Canon EOS 7D Mark 2
- 18 MP
- Full frame sensor
- \$3000
- 1080 p HD video
- Canon EOS 5D

2) What's New in Video:

- Two trends: high and low resolution,

Mobile media - Video on the web –

- YouTube
- TeacherTube

Vimeo

- For video enthusiasts
- Top quality resolution
- Vimeo video sample
- <http://vimeo.com/channels/hd#9031726>

uStream.tv

- Live streaming of your video

HD video –

- Sony HDR 1080p camcorders

Simple cameras

- Flip Video – HD
- iPod Nano

3-D?

- Coming for home video
- Educational applications?

3) Other Gadgets and Gizmos:

Flash memory –

- Replaces disks and external hard drives
- Not to work from or to backup to
- Require for each student?

Terabyte and External Hard Drives –

- Video and pictures
- Watch for quality of case
- Firewire?

SuperSpeed USB 3.0 –

- HP & Fujitsu laptops
- WD My Book external hard drive
- Up to 10x faster, uses 1/3 power

Wireless – printers

- Share scanners, printers
- Great for laptops & labs

Smart phones in the classroom

- 1.2 billion worldwide

Mobile applications

- Google Nexus, open source

The Year of the App

- Software of the future?
- Free or inexpensive

Laptops required

- 1:1 computing
- Walled Lake, Michigan:
“Anytime Anywhere Learning Laptop Program” – families buy laptops at \$300 savings, also has financial assistance and leased 5000 computers
wicisd.org/aal
- Netbooks, tablets, iPad?

iPhones and iTouches Provided

- Abilene Christian University
- Mobile learning initiative

Netbooks

- Convenient and cheap
- Slow and limited

iPad

- One to one computer?
- Textbook reader?
- Saves newspapers?
- Watch for new apps

E-books

- Kindle, Nook, netbooks, iPad
- California's Digital Textbook Initiative
- \$10 e-textbooks
- Literally lessens the load

The end of books?

"The point everyone is missing is that in Technoland, nothing ever replaces anything. E-book programs won't replace books. The iPhones won't replace e-book readers. Everything just splinters. They will all thrive, serving their respective audiences."

David Pogue New York Times, February 2009

4) Classroom Issues:

- In your classroom?
- Funding?
- Integration?
- Training?
- Standards?
- Social media?

Kids' tech use skyrockets

- They use cell phones more for things other than talking.

5) Software News & Tips:

- Expensive & free
- Costs more than the computer

Open Source-

- Microsoft Office Web Applications
- Picasa 3 – Mac & Windows
- PhotoShop Express

Photoshop Elements 8

- PhotoMerge Exposure
- Slideshow and creations
- Photoshop Elements 8
- PhotoMerge Exposure

New uses for PowerPoint

- Office 2010
- Output as graphic files
- Put on the web as PDF's or vidcasts
- Add narration and post lectures
- "Never lecture again"

Digital Storytelling -

- Turn still pictures into digital stories
- Tips for recording narration

Stock Photos –

- iStock Photo
- FreeDigitalPhotos.net
- MorgueFile
- clker.com

Windows 7 –

- Even better for digital media
- Runs on netbooks & older computers

Windows Media Player 12

- Streams video across computers

Photo Story 3 won't work with Windows 7

- Free and easy digital story creator
- WMV files

Web builders-

- Drupal
- Joomla
- Squarespace
- MySpace
- Blackboard
- Moodle

Readability**Mobile Applications –**

- Software of the future?

Video Software:**iMovie 9**

- Better than 08, worse than HD
- Skimming, instead of trimming
- Use Final Cut Express instead?

Corel Digital Studio 2010 - iLife for Windows

- Photo, video, DVD authoring

6) Web Developments

- Social media for personal, professional, promotional purposes

Sharing digital media with Web 2.0 apps –

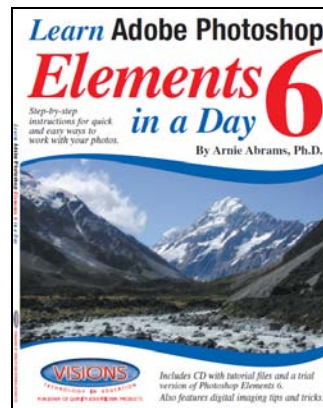
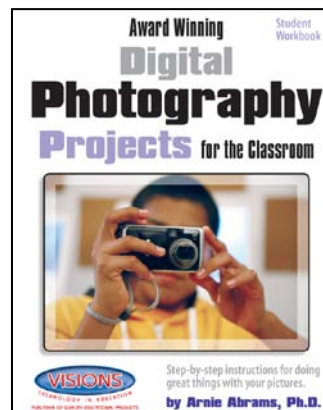
- NY Times
- Vimeo
- TeacherTube
- Ning

Social becomes less social

- Social, not e-mail
- Hide in Facebook
- Linked In

7) Cool Web Sites

- News, reviews, tutorials, galleries, contests, resources, blogs, podcasts
- PopPhoto.com
- Photography & digital imaging how to, news & reviews
- HowCast.com
- user contributed

TWIT**Some of my books:****Contact Info:**

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