

# Regional Technology Academy

## Summer 2004

### **Digital Cameras: Who Needs Film Anymore?**

August 4, 2004

12:30-4:00 PM

Dewey Lab, LESA

Instructor: Elson Liu

Learn to take digital pictures and use them in the classroom. Bring your digital camera if you have one, if not, digital cameras will be available. The course will cover:

- Basics of digital imaging
- Selecting the camera that is right for you
- What to do: from powering on to printing out
- How to use it: classroom integration ideas and examples
- Editing and publishing overview

### Agenda

12:30 – 1:00 PM	Introductory activity
1:00 – 1:30 PM	Shopping for a camera
1:30 – 2:30 PM	Step-by-step: powering on to printing out
2:30 – 2:45 PM	Break / individual Q&A
2:45 – 3:30 PM	Classroom integration
3:30 – 3:45 PM	Options for editing and publishing
3:45 – 4:00 PM	Wrap-up / Q&A

### Syllabus

#### **Introductory activity**

There's nothing quite like jumping into a new technology! Participants will form groups and start with an easy point-and-shoot activity to get acquainted with a digital camera. At the end of the activity, participants will brainstorm and discuss their experiences, frustrations, and surprises in their first exposure to digital photography.

#### **Shopping for a camera**

This overview will help participants make sense of the wide variety of digital cameras on the market, and identify the price / performance / feature set that is appropriate for them. Participants will learn about the major types of digital cameras including sub-compact, compact, and digital SLR; features such as resolution, zoom, manual controls, and video capabilities; and useful websites to help compare and shop for cameras.

### **Step-by-step**

This in-depth lesson will orient participants to the controls of their camera, including:

- Power: power button, camera mode, battery life
- Focus, exposure, and zoom: auto, manual, pre-set; optical, digital
- Camera modes: portrait, landscape, night, panorama, movie
- Quality: resolution, compression, memory card

They will then work through the photo process:

- Setting up the camera
- Taking the picture
- Transferring to the computer
- Printing options

### **Break / individual Q&A**

Participants will have an opportunity during the break to ask questions about their individual cameras, if they have brought one.

### **Classroom integration**

This will begin as a brainstorming discussion for participants to share ideas about how to use digital photography in the classroom. Then, specific examples of digital photo projects will be shown, ranging from simple locker nameplates to year-long, large-scale web sites.

### **Options for editing and publishing**

This brief overview will introduce the different options available for editing and publishing digital photos, including various software packages, computer-based printing options, websites, and photo printing services.

### **Wrap-up / Q&A**

This wrap-up time will allow participants to ask questions and share ideas about how they hope to use digital photography in their teaching.