Delightfully Digital

This Morning’s Agenda
- Digital Cameras... Things to Consider
- What Do Those Things Mean?
- Picture Taking Tips
- Play with the cameras
- Scavenger Hunt
- Edit Pictures with Picasa

Digital Cameras Things to Consider...
- Resolution
  - Pixel - small squares
  - Megapixel - 1 million pixels
  - Pixelization

Digital Cameras Things to Consider...
- Resolution
  - Pixel - small squares
  - Megapixel - 1 million pixels
  - Pixelization
  - What do you want to do with the pictures?
    - Email - any resolution will do
    - Print - 4 megapixels and up

Digital Cameras Things to Consider...
- Size, weight, & design
- Zoom
  - Optical
  - Digital

Digital Cameras Things to Consider...
- Memory
  - Compact Flash (CF)
  - Secure Digital (SD)
  - Multimedia (MMC)
  - SmartMedia
  - Memory Stick
  - XD
Digital Cameras
Things to Consider...
- Batteries
  - AA
    - Highly standardized
    - Cheap—at least compared to most proprietary alternatives
    - Compatible with a wide array of readily available chargers
    - Widely available

Digital Cameras
Things to Consider...
- Batteries
  - AA Types
    1. nickel-metal hydride (NiMH, rechargeable)
    2. lithium (non-rechargeable)
    3. nickel-cadmium (NiCd, rechargeable)
    4. alkaline (non-rechargeable)

Digital Cameras
Things to Consider...
- Batteries
  - Proprietary Batteries
    - Non AA
    - Made for a specific camera
    - Must use a specific charger
    - Battery life is longer than AA
    - Use mostly in higher end cameras
    - Expensive

Digital Cameras
Things to Consider...
- Movies & Sound
  - Uses large amounts of memory
  - Some do not record audio
- Menus
  - Make sure you can use them

What Do Those Things Mean?
- Night Scene - shutter stays open longer, tri-pod is suggested
- Mountain - for taking pictures of landscapes
- Lady - Head and shoulders portrait photo
- Action (Sport) - Fastest shutter speed for moving objects
What Do Those Things Mean?

- **Macro Mode** - Very close-up shots within inches of the subject; choose the tulip
- **Movie Mode** - Record movies; not sharp enough for DVD, good for email

Flash Modes
- **Auto Flash** - the camera decides when the flash is needed
- **Fill Flash** - on all the time
- **Red-eye Reduction** - flashes a light before the picture is taken; reduces pupil size
- **No Flash** - is off

Picture Taking Tips

1. Take pictures at eye level when photographing a person

2. Use plain and simple backgrounds

3. Zoom in on the subject matter, you want it to fill the frame

4. Use a flash outside, especially if the sun is bright
Picture Taking Tips

5. Rule of Thirds
Move the focal point to where the lines intersect; much more interesting.

6. Light source should not be behind the subject unless you want a silhouette effect.

7. Lock your focus.