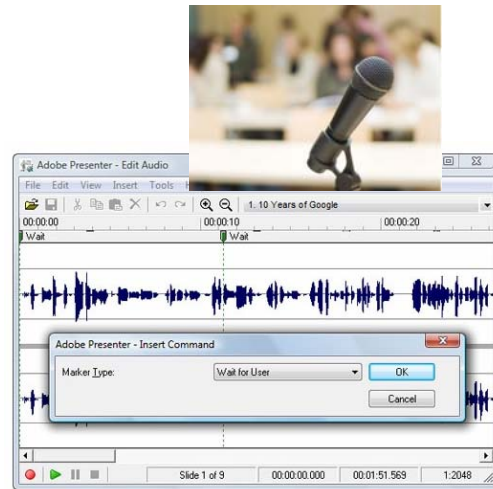# How to Produce Online Learning Material?

Artwork

Source: GoogleImages

Implementation

EcoLearnIT – Implemented Digital Formats

The following digital formats can be used to build RLOs in *EcoLearnIT*:

*.txt (ASCII text)

*.doc (MS Word 2003, 2007)

*.ppt, pptx (Power Point 2003, 2007)

*.jpg (JEPG lossless compression for photographic images)

*.png (Portable Network Graphics – bitmap image format)

*.gif (Graphics Interchange Format - limited to 8 bit or 256 colors; suited for line drawings and textural images)

Grunwald S. and B. Hoover. 2008. EcoLearnIT Manual (Version 1.0) Digital Repository of Reusable Learning Objects. Available at: http://ecolearnit.ifas.ufl.edu/EcoLearnIT_Manual.pdf

EcoLearnIT – Digital Formats

The following digital formats can be used to build RLOs in *EcoLearnIT*:

*.flv (Flash video)

*.mp3 (audio)

*.swf (Flash animation)

*.zip (Adobe Presenter format – Power Point with audio recordings)

Grunwald S. and B. Hoover. 2008. EcoLearnIT Manual (Version 1.0) Digital Repository of Reusable Learning Objects. Available at: http://ecolearnit.ifas.ufl.edu/EcoLearnIT_Manual.pdf

Software to Produce E-Learning Materials

- <u>Text</u>: MS Word
- <u>Artwork</u>: Power Point; Adobe Photoshop, Adobe Fireworks, Adobe Illustrator
- <u>Animations</u> (interactive features): Adobe Flash
- <u>Audio recordings</u>: Adobe Presenter
- <u>Video</u>: Adobe Premier, Final Cut Pro
- <u>Screen recordings</u>: Camtasia

Mention of company or trade name does not constitute endorsement by the University of Florida, Soil and Water Science Department or the instructors or this course.
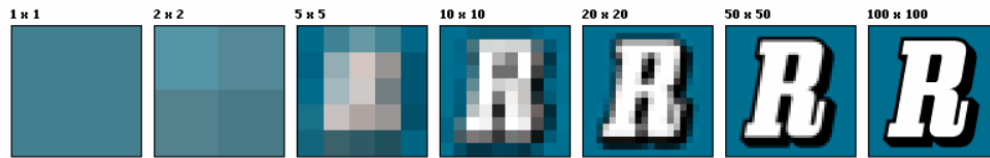
Resolution

- **Resolution:** The level of detail of an image
- The spatial resolution of computer monitors is generally 72 to 100 lines per inch, corresponding to pixel resolutions of 72 to 100 pixels per inch (ppi)
- Recommended resolution: 72 ppi (or dpi)
- Displaying an image at a higher pixel resolution will not add any image quality (rather is slows loading of the image
- Megapixels: Total number of pixels in an image (pixels per width x pixels per height)

Resolution

Example:

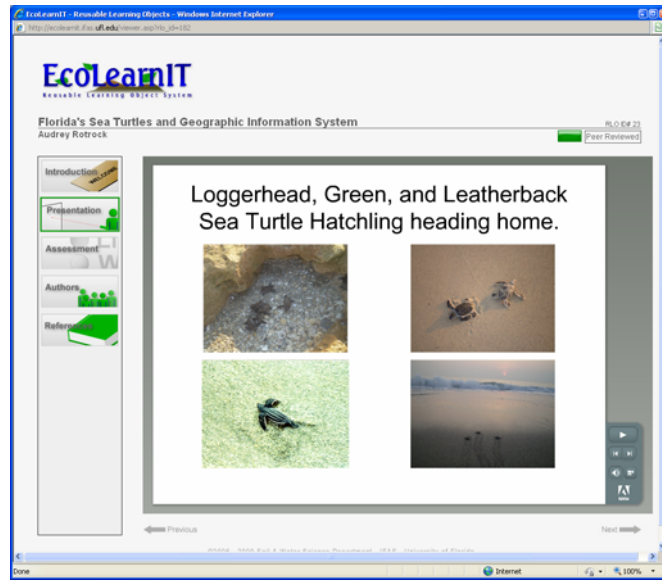Image 2048 pixels in width and 1536 pixels in height = 3,145,728 pixels or 3.1 megapixels

http://en.wikipedia.org/wiki/Image_resolution

Resolution

http://ecolearnit.ifas.ufl.edu/viewer.asp?rlo_id=182&final_id=23