

# Hands-On Lesson

to accompany

## *Curriculum Webs*

*A Practical Guide to Weaving the Web into Teaching and Learning*

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# LESSON 7: Dealing with images

FrontPage 2003

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### **Goals for this lesson**

- Learn about some techniques for controlling how images are displayed.
- Learn about and create image maps.
- Use image editing software with your web page editing software.


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### **Inserting an image**

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#### ***FrontPage***

- Use Insert | Picture | From File. Browse to the image. Click OK.
- Or click the Insert Picture button.  Browse to the image. Click OK.

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### **Changing an image's display size**

You can resize the display of an image by clicking on the image and then dragging one of the little black squares (called “handles”) that appears on the edges and corners.

When you alter the display size of an image, you don't actually change the size of the image; only its display. To change the actual size of the image, you'll have to "edit" it in image editing software.

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#### ***FrontPage***

- Drag one of the handles that appears. If you don't want to distort the proportions of the image, use one of the buttons in the corners. This keeps the original proportions.

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## Adding “alt” text

“Alt” text appears instead of the image when a browser is set so that images are not displayed. Alt text also allows visually-impaired users to know what is displayed in an image.

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### *FrontPage*

- Double-click the image and click on the General tab, click the check box for Text in the Alternative representation section, and type text. Click OK.

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## Information about your image

Once you've placed an image into your page, there are a couple of ways that you can get information about the image's size and how it affects the loading time of the page.

Open a new file and save it as "imagetest.htm." Right now the page should be empty.

Add this image to the page (you can download it from the companion web site at

<http://curriculumwebs.com/lessons/resources>):



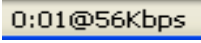
This image is much less than 1K in size. When you add it into your web page, it adds an insignificant amount of size and time to the page loading. However, when you add pictures or other complex or large graphics to you page, you may drastically increase the time it takes for the page to load.

For example, if you add a 34K file, it takes about 10 additional seconds to **download** the page over a 28.8 Kbit/sec modem connection. Think about the overall size of your page and try to keep the page under about 30 seconds or, for a long page with lots of images, no more than 120 seconds.

Keep in mind that it doesn't add any additional downloading time to add the same image more than once in a page. As long as each instance of the image refers to the same file, the browser will know to display it again without downloading it.

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**FrontPage**

- Look at the status bar of the page editing window. (This is the bar at the bottom of the window.) It should look something like this:  This number represents how long it would take the page to download over a modem.
- To find out additional information, double-click on the image and looking at the Picture Properties Box

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**Linking to a low resolution source**

You can refer to "Low resolution source" file that is downloaded when someone is using a very low resolution monitor or certain kinds of older browsers.

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**FrontPage**

- Double-click the image and click on the General tab and enter the file name into the Low-Res field (or browse for the image.)


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**Using images as links**

Images can be linked to other images or pages.

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**FrontPage**

- Double-click the image and click on the General tab.
- Type (or copy) a URL into the Location field of the Default hyperlink section.
- Or select an image and click on the link button  and browse to select a file to link to. If you want the link to open into a new window, click the Target frame button and choose New Window in the Common targets section.

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## Creating Image maps

It is easy to create image maps, with different links for different sections of the picture, and behaviors assigned to these areas.


For example, say you want to use a picture of two people and you want to create a page about each person. By clicking on the person, you want the user to be able to access information about that person.

Find a picture that has two people in it, or visit our companion web site at <http://curriculumwebs.com/lessons/resources> to use a picture we've supplied. Download it to your Local Root Folder or subdirectory of your local root folder.

Now insert your picture into a new file. Let's say we want to link the first person's face to a page called `firstperson.htm` and the second person's face to a page called `secondperson.htm`. Create these new files. For now, just put descriptive comments in these two files, such as "This file will contain information about the first person" and "This file will contain information about the second person." Save and close these two files.

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### *FrontPage*

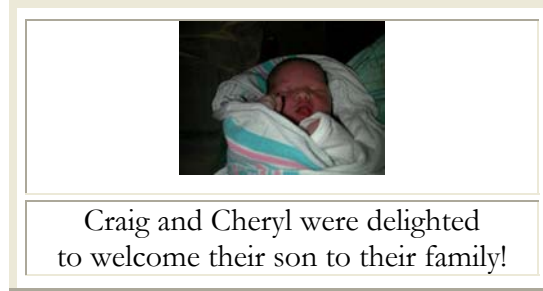
- Click on the picture. On the picture tool bar, click on the Circular Hotspot button. 
- On the graphic, draw circle, while holding down the mouse button around Craig's face.
- When you release the mouse button, the Insert Hyperlink dialog box opens. Type "firstperson.htm" (one of the files created above). Then do the same with the second person's face.

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## Using tables to arrange pictures on a page

You can use a table to place a photo and a caption. See Figure 7-1.



**Figure7-1: Using a table to format an image and caption.**

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### ***FrontPage***

- Insert a table by using Table | Insert | Table. Set the table to 1 row, 6 columns, 80% of window, and border=0.
- Place the cursor each cell, and use Insert | Picture | From File and select each image in turn.

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## **Using image editing software**

FrontPage Web editing software includes simple built-in image editing functions. To see them,

- Use View | Toolbars | Pictures.

This will let you select tools from the Pictures tool bar.

Select a picture on a web page and experiment with the different tools.

However, you can also edit an image outside of your web page creation software using an image editing package such as Fireworks, Photoshop or Paint Shop Pro.

Say you want to edit an image after you have already placed it into a page. Crop an image to make it more of a close-up of the people.

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### ***FrontPage***

- From the tools menu click Options, and click the Configure Editors tab and browse to the image editor you have. You will now be able to right-click on an image and edit it in that image editor.