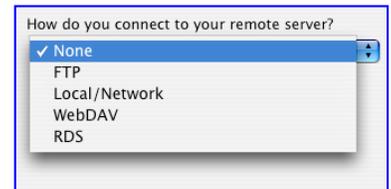
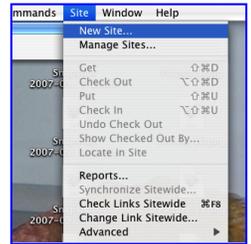


When you arrive in lab you should already have complete 1-7 and have these files with you or saved on the courses server.

1. You should already have a partner.
2. You should already have a topic.
3. You should have a few images of your animal.
4. You should know some other websites that present information about this animal.
5. You should have two or three research papers related to your animal behavior.
6. You should have 1-2 paragraphs written or bullet points listed about your animal behavior.
7. You should know whether you want to use Tinbergen's 4 questions, Dewsburry's 3 areas or some other scheme to comprehensively describe both proximate and ultimate explanations for your animal behavior.

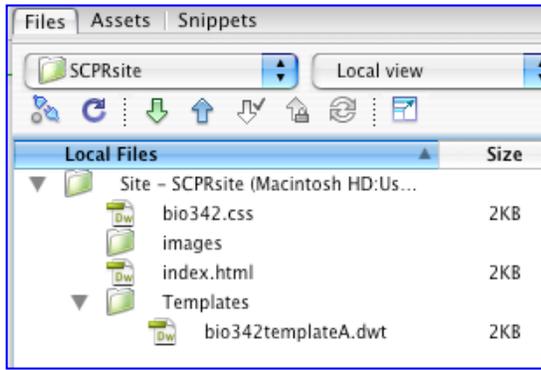
Now you are ready to START

8. Drag the zipped template file **!BIO342web2014.zip** from the WEBSITES folder in the Bio342 folder in the Biology Courses Server onto your desktop.
9. Unzip this template onto your desktop.
10. Change the folder name to your initials (e.g. SCPRsite) (use_no_spaces_no_caps)
11. Open dreamweaver select **New Site** from the **Site** menu
12. Name your site (use_no_spaces_no_caps)
do not enter a URL and
click **Next**
13. Select  click **Next**
14. Specify the name of your website folder on the desktop by clicking on the folder button and navigating to your folder.
click **Next**
15. For now chose None as the option for connecting to your remote server.
click **Next** and **Done**.



Each time you work on your website on campus you will need to repeat steps 11-15 after dragging your site folder from the courses server to the desktop. Each time you work on your website, remember to replace your site folder on the Courses Server.

16. You now will see the contents of your folder listed in the **Files panel** to the bottom right of the screen. (You may need to adjust the width to see it all and click the arrows to expand folders to see their content.)



The bio342.css file is where you specify text fonts and colors.

The images folder is where you will store all images for your website.

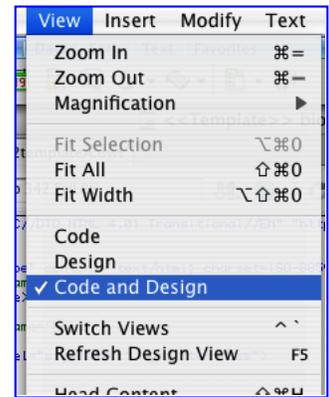
The index.html file will be your home page.

The bio342templateA.dwt file in the Templates folder will be used to create new uniform pages,

While it might seem cumbersome at first, using ***.css file** and a **template** will greatly increase the efficiency of updating files to maintain a uniform look to your website.

17. open all 3 of these files by double clicking on each of the 3 icons in the **Files** panel tab.

18. From the **View** menu select **Code and Design** and adjust the divider so that you can see most of your design and some of your code when you are looking at the template of index files. (The *.css file is all code). Currently the *.css file (Cascading Style Sheet) specifies some some examples styles.



WORKING IN THE *.css FILE

19. All changes that you make to the .css file will be propagated to all web pages that are linked to this file (i.e. anything linked to your template page that is linked to the .css file).

20. when you see the gray text `/* Don't change this */` it means to NOT change the text on that line.

21. To see the “properties” for each CSS style you will need to resize the tabs on the right to make that for CSS STYLES larger or double click on that style to open a menu box.

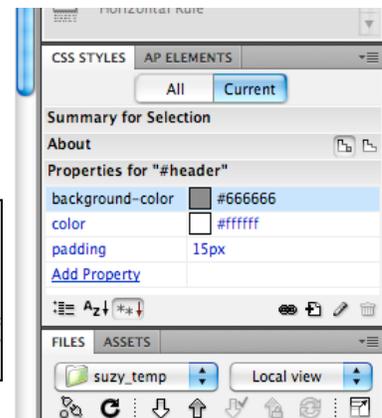
22. To change the color of the banner

- find the text

```

9 |
10 | /*-----*/
11 | /* The banner at the top of the page */
12 | /*-----*/
13 | #banner {
14 |     background-color: #666666; /*note you can add images to fill be
15 |     color: #ffffff; /* this is the color of text not specified as f
16 |     padding: 15px;
    
```

- click in this text and the Properties panel will display the color information for the header.
- click on the color swatch and the color picker palette will appear. The code for the selected color will replace the current gray color codes.
- You may add new properties, such as background, underline, boarder etc.
- Go to your index.html or template and observe the effect.



23. Use the above strategy to alter the text color, font size, hover color etc for the left navigation by changing the *.css file text under the header.

```
/*-----*/
/* The navigation bar on the left */
/*-----*/
```

24. For the main content section, again use the same strategy to alter the text color, font size, etc for the headers, links, hover etc.
25. You can also edit the properties of the .css file by clicking on the pencil icon while your cursor is in the style section you want to edit. This will bring up a new dialog box with several tabs for the different types of properties you can edit.
26. Additional heading styles can be added here also.
- Copy an existing style from “# content...” to the closed bracket “ } “
 - paste it below the others and change the name of the style (text right after the word “content”)
27. Enough for now, but this is where additions should be made if they are to be propagated throughout the website. For example:
- Border colors can be set.
 - Link colors can be changed
 - List properties can be created.

WORKING WITH THE TEMPLATE

28. All changes that you make in the template file (outside of the editable areas) will automatically be propagated to all web pages built from of this template.

29. In the banner, update the year by typing in the Design Window.

Notice that as you type in the design window the code above is automatically updated.

30. Add an informative title rather than "Title Here".

This should be the Title of your entire website. This text will appear on every page in your website.

31. Add the authors names to the banner.

After the Year, type return and then your name

Notice the font

Notice the code.

```
<h2>Biology 342 Fall 2006</h2>
```

```
<p>Author: Suzy Renn</p></td>
```

Working in the code, use cut and paste to change the code so that the author name is inside the h2 tag.

```
<h2>Biology 342 Fall 2006 <p>Author: Suzy Renn</p></h2>
```

When changes are made in the code view the CSS style panel will appear and you must click the Refresh button at the bottom of the screen

Notice how this changes the font

To use single line spacing rather than double spacing (paragraph break) while working in the Design Window, Go

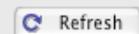
back and Delete the author name and this time hold down the **shift** key when you hit return before typing the author name.

Notice the difference in the code in the Code Window (
 instead of <p>)

```
<h2>Biology 342 Fall 2006<br>
```

```
Author: Suzy Renn</h2>
```

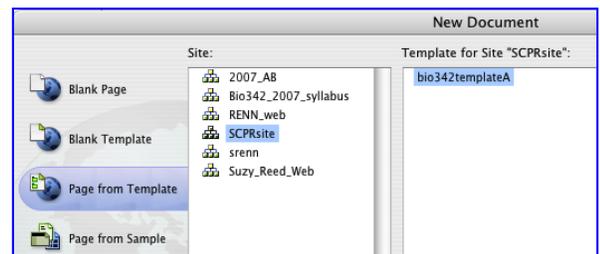
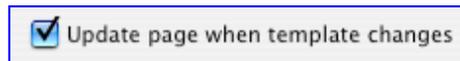
You have made changes to the code. To update the CSS panel or edit CSS properties, click Refresh or press F5.

 Refresh

32. Change the link to "Adaptation" to be "Adaptive Value" so as to avoid confusion.
 Again, this can be done in either the Code View or the Design view.
33. The required five links have been made for you. The pages you create (below) must have these names or these links will not work. To add more than the required 5 pages this is where you can create additional link(s) by copying one line and pasting it below and changing both the text to appear on the link and the name of the .html file that will be created for the corresponding page.
- ```
Home
Phylogeny
Ontogeny
Mechanism
Adaptative value
References
```
34. It is possible to use multiple templates in a single website (not today).  
 35. It is possible to add additional content boxes (not today).

### CREATING NEW PAGES

36. Create 5 new pages (index.html will be the home page for your site). These must have the file name (s) that are specified on the template page.
37. From the **File** menu, select **New**
38. Select **Page from Template**
39. Highlight your own site (here SCPRsite).
40. Select the correct template (bio342templateA).
41. Check the box to automatically update each page when the template is changed.



42. Click the **Create** button.
43. The first thing to do is to save the untitled document that has appeared.
44. From the **File** menu select **Save As**
45. Check that it will be saved in your **site root**.
46. Name the file to match the file names specified for the links in the template file. Capitalization is important.
47. **It is good practice to use no spaces, no capital letters, and short file names.**
48. Notice that on these new pages, you can only change the text that is in the content box. It is a good idea to close your template file when you are not working on it so that you do not accidentally change it.

## ADDING HEAD TAG INFORMATION

Head Tags, such as Key Words and Description are used by search engines and can help users to find your site efficiently. Head Tags added to the template page will propagate through all linked pages. Head Tags added to individual web pages will be specific to those web pages. Adding Head Tags to individual web pages will add to the Head Tags, not replace the Head Tags specified by the template.

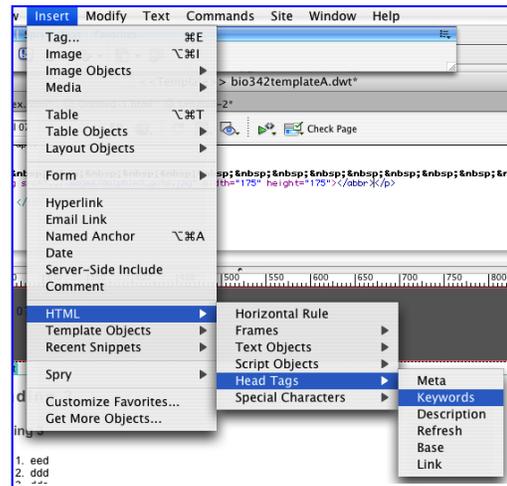
49. The web page title will be displayed as the primary line returned by a search engine such as Google, therefore an informative title will be useful. The current title that is brought in with the template is not informative.
  - At the top of your page delete the text Bio 342 Fall 06 and enter a useful title related to the topic of each webpage.



- Notice that your new text appears in the code near the top of your page  
`<title>phylogeny of stickleback mating behavior</title>`

50. The web page **Keywords** are searched by search engines though they are not displayed in the web browser.

- Good Keywords include, common misspellings of your name or the species name, related topics, names of prominent researchers in the field, taxonomic descriptions of your organism etc.
- From the **Insert** menu select **HTM/Head Tags/Keywords**
- Enter appropriate keywords and click **OK**.
- You can always add more keywords to each website either using the above instructions or by typing directly in the code with in the parentheses at  
`<meta name="keywords" content="susie wren susy susan ">`

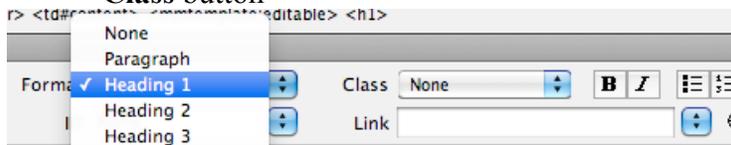


51. The web page **Description** is also used by search engines and may be informative to potential readers. This is often the text that shows up underneath the web page Title in the Google search results.

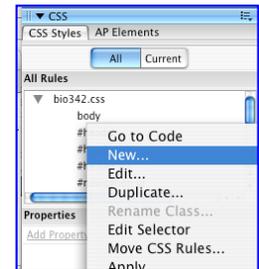
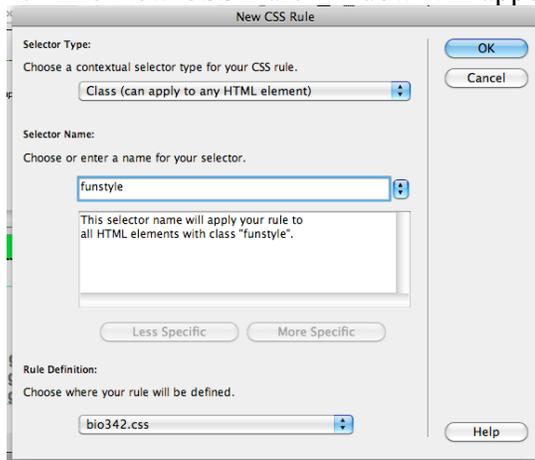
- Good Descriptions include short descriptive phrases.
- From the **Insert** menu select **HTM/Head Tags/Description**
- Enter appropriate text and click **OK**.
- Notice that the description text appears within a meta tag in similar format to the keywords above.  
`<meta name="description" content="description of suzy's webpage">`

**ADDING TEXT CONTENT TO INDIVIDUAL PAGES**

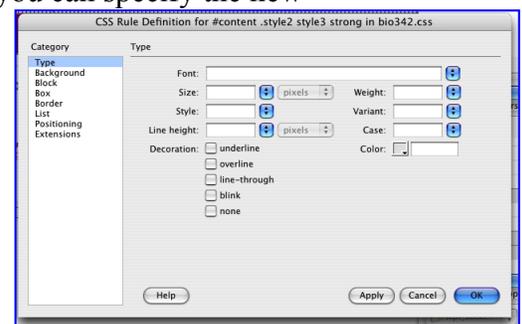
1. To add text to individual web pages type the directly in the Design View.
  - Text can also be added using copy/paste function from word, text pad, .pdf files, other websites etc, but some formatting may be lost and some retained.
  - It is advisable to use the **Edit** menu and **Paste Special** and choose **Text Only** and then format your text within Dreamweaver.
  - Text copied from other files in Dreamweaver should retain the associated formatting.
  
2. The text style can be specified to be any of the style class described in the .css file for that editable section.
  - The Header 1-6 styles can be accessed from the **Format** button
  - Any Custom style (you've probably not made one yet) can be accessed from the **Class** button



3. To specify a new style **click** in the **New CSS Rule** icon at the bottom right of the **CSS Styles Panel**.
4. The **New CSS Rule** window will appear



5. Set the **Selector Type** set to **Class** (not Compound).
6. Enter a name for **Selector Name**.
7. Here **funstyle** is the class that will appear as a tag in the code.
8. If the style should be applicable to all pages on your website, set **Choose where your rule will be defined** to be the .css file related to this website.
9. Click OK to bring up the Definitions window in which you can specify the new rules such as colors, borders, backgrounds, font etc.
  - Go look at your .css file and see how the new class is coded.
  - The new style will now appear on the pop-up class menu.



### ADDING IMAGES TO INDIVIDUAL PAGES

1. In Photoshop reduce the resolution to 72 dpi (web browsers do not have higher resolution so there is no reason to use larger files that will slow browsers).
2. Save all images as **.jpg** files in your **images folder** in your site file with short informative names that contain no spaces and no capital letters. (use .gif files for line art or simple 2 color images). They appear in the dreamweaver Site menu.
3. To place the image on the individual website:

Either drag and drop them into place from the **File** panel in the Site menu.

OR

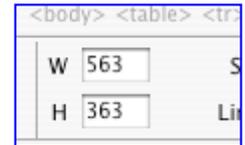
From the **Insert** menu choose **Image** and navigate to the image file. If it is not already in your images files within your site file you will be prompted to save a copy of it in your site folder

- a. **Note images will automatically go into the root folder not the images folder unless you specify so, but from the site manager panel within Dreamweaver you can drag the image into the images files and the code will automatically update. If you move website images and other files in Finder outside of Dreamweaver the code will not update and your links will be broken.**

4. You will be prompted to add alternate text.

This text would appear on a browser that does not show images. It is useful to give a short description of the image.

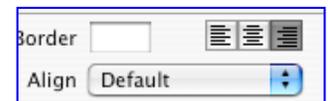
5. While it is possible to resize image sizes in Dreamweaver using the dimension settings in the image formatting palette if the image is selected, it is best to do this in Photoshop before inserting the image.



6. In the image formatting palette, if the second dimension is left blank, the original ratio is maintained.

7. To position the image and wrap the text use the **Align** button in the Properties tab at the bottom of the screen. Try different options.

8. Using these same steps, images can be placed in non-editable regions of the template file to be propagated to all linked web pages.



### INSERTING NAMED ANCHORS

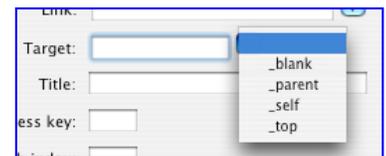
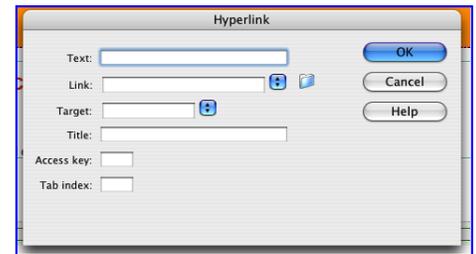
Named Anchors specify a particular place in an html document. These are useful for navigating within or between documents when you want to direct the reader to a specific point in a large document.

1. In the Document window's Design view, place the insertion point where you want the named anchor.
2. From the **Insert** menu choose **Named Anchor**.
3. The Anchor Name box will appear.
  - Type a name for the anchor,
  - and click **OK**.
  - (The anchor name CANNOT contain spaces).
4. The anchor marker appears at the insertion point.
5. Notice that for commonly inserted objects there is a shortcut tab on the right of the screen that allows you to do this without going through the menu.

## **INSERTING HYPERLINKS**

Hyperlinks let you create a text link to a particular location in the current document (using Named Anchors as above) or to link to another web document either within your website or outside.

1. Place the cursor in the document where you want the link to appear (or highlight the text to serve as the link).
2. from the **Insert** menu choose **Hyperlink**.
3. The Hyperlink box will appear
4. Enter the text of the link after Link  
(or if you highlighted text it will appear in that space)
5. Enter the name of the file to link to  
(or click the folder icon to browse to the file).
6. In the Target pop-up menu, select the window in which the file should open or type its name.
  - `_blank` : new browser window. (good for linking to outside sites without losing your reader)
  - `_self` : loads in same browser (best if you are moving within your own site)
7. Click OK.



To link to a Named Anchor

1. In the Document window's Design view, select text or an image to create a link from.
2. Click on the Hyperlink button (looks like a chain link)
3. In the Link box of the Property inspector, type a number sign (#) and the name of the anchor. For example:
  - To link to an anchor named "top" in the current document, type #top.
  - To link to an anchor named "top" in a different document in the same folder, type filename.html#top .

Anchors are useful in long webpages with lists. They are often used for alphabetical lists, or to return to the top of a page or to the citations at the end of a page.

## **WORKING WITH TABLES**

Tables are a powerful tool for presenting tabular data and for laying out text and graphics on an HTML page. A table consists of one or more rows; each row consists of one or more cells. Although columns aren't usually explicitly specified in HTML code, Dreamweaver enables you to manipulate columns as well as rows and cells.

Cells within a table can be merged or split to offer flexibility in layout.

Tables are often useful when you have many images to present and text that is explicitly associated with specific images. Talk to your TAs or Suzy for help with tables if you think this would be useful for your website.