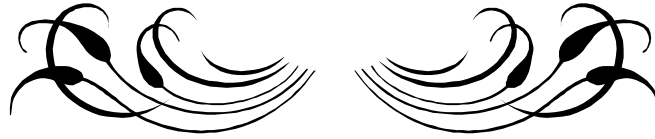


Curriculum Plan



“Putting Your School on the Web”

Creating a World Wide Web Home Page

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Introduction:

This curriculum is designed to enable a teacher, with a small group of students and the appropriate software, to create a World Wide Web Home Page for their school or class. This can be completed in a ten-week period with the class meeting once per week. Assignments are given each week both to reinforce the skills taught and to make progress in compiling the content of the page.

Outline:

<i>Week</i>	<i>Lesson Title</i>
1	Introduction to the Course and the WWW
2	Navigating the Web: From URL's to Yahoo
3	A Sampling of School Web Sites
4	Design Session
5	Elements of HTML Design
6	Compiling Graphics and Text into an HTML Document
7	Design Session
8	Add-ons and Enhancement: Audio, Video and Java
9	Posting the Page: FTP Basics
10	Closing and Course Evaluation

Student Contract

Student Name: _____ Date: _____

I, _____
have signed up to participate in a course entitled "Putting Our School on the Web" for the _____ semester of _____.
I understand that there are certain responsibilities which I must accept in order to be a part of this class.

I will:

- complete all assignments to the best of my ability
- attend each scheduled session of the class
- behave appropriately in the class
- treat my classmates with respect
- work between sessions as needed
- ask questions if I do not understand a topic

I understand that this course is a privilege, and I will treat it as such. I have reviewed this contract with Mr./Mrs.

I understand it and by signing below, I accept the responsibilities listed above.

Signed _____ Date _____

Lesson 1

Introduction to the Course and the WWW

- Objective:** Students will demonstrate knowledge of the various components that make up the Internet in general and the WWW in specific.
- Vocabulary:** Internet, World Wide Web, browser
- Procedure:** Review the course description and outline. Explain the contract and have students sign it. Go over the course requirements and schedule of classes. Review the absentee policy (3 missed classes leads to removal from course). Create a diagram showing various components of the Internet, including e-mail, FTP, WWW, ISP's, content providers, etc.
- Evaluation:** Students to complete the Internet Activity Sheet for homework.

Internet Activity Sheet

Student Name: _____ Date: _____

Match the terms in the left column with the definition in the right column:

FTP	The most popular and commonly used WWW browser
Mosaic	The part of the Internet that contains text, graphics, and other multimedia components
E-mail	A local company that provides a connection to the Internet
Browser	The first Web browser and the one that helped make the Web popular
WWW	A method of transferring files (including text, graphics, sounds) and downloading software
URL	A software program that allows users to navigate the Web
ISP	A way of sending short text messages over the Internet
Netscape	A standardized way of assigning addresses to web pages located on the Internet

Lesson 2

Navigating the Web: From URL's to Yahoo

- Objective:** Students will be able to identify the various parts of an Internet address and decipher the location and type of page based on the address alone. Students will be able to successfully locate resources using Yahoo or another search engine.
- Vocabulary:** Uniform Resource Locator (URL), Domain Name Server (DNS), Search Engine, Yahoo, Web 66
- Procedure:** Using the metaphor of how a person finds a home using the various parts of an address, explain the components of a URL, including: host computer, domain name, host type, root directory, sub-directory, file name, and protocol.
- Evaluation:** Students will complete the URL Activity Sheet for homework. Students will locate one site each using a search engine and submit the address.

URL Activity Sheet

Student Name: _____ Date: _____

For each URL listed below, list the host name, the type of host, the root directory name, and the file name

<http://www.democrats.org/pres96/election.htm>

host name root directory file name type of host

Do you think this page will exist next year?

<http://www.columbia.edu/cu/healthwise/ask.htm>

host name root directory file name type of host

What do you think this page is?

<http://www.nasa.gov/shuttle/photos/orbit.htm>

host name root directory file name type of host

What do you think this page contains?

<http://www.microsoft.com/explorer/ie.htm>

host name root directory file name type of host

What organization posted this page?

<http://www1.mhv.net/~mathew/mathome.htm>

host name root directory file name type of host

Who posted this page?

Lesson 3

A Sampling of School Web Sites

- Objective:** Students will locate 5 elementary schools on the Web and critique each site based on a pre-determined set of criteria. Students will rank each site based on this same criteria.
- Procedure:** Introduce the students to Web 66, the directory of schools on the Internet. Have students work in pairs to choose 5 sites of interest anywhere in the world. Students will complete the School Web Site Evaluation Sheet with their partners before the next session.
- Evaluation:** Based on assigned sheet and observation during lesson.

School Web Site Evaluation Sheet

Student Name: _____ **Date:** _____

*Complete one sheet for each of the 5 sites you have chosen.
You may work with your partner.*

Site name

Site address

Who designed the page?

What is the most interesting feature of the page?

How many classes or students are represented?

Besides text, describe any other features the page has (graphics, sounds, etc.)

In your own words, critique the page. Consider how fast it loaded, ease of navigation, readability of text, suitability of the material presented.

Evaluate the page as if you were going to grade it. What grade would you give? Why?

Lesson 4

Design Session

- Objective:** Students will lay out a mock-up of the School Home Page.
- Procedure:** Each group of students will be given ten blank sheets of paper. One sheet will be colored. They will lay out, in tree fashion, the hierarchy of the School Web Page. We will discuss the various versions as a group and then reach a consensus as to the best format for our school. Students will then be assigned research tasks to compile materials for the page.
- Evaluation:** Based on observation of the work in class.

Lesson 5

Elements of HTML Design

- Objective:** Students will identify the basic elements of the HTML language in a published Web page.
- Vocabulary:** HTML, links, mailto, tags, formatting
- Procedure:** Students will receive a copy of a Web Page in raw HTML language. They will be asked to identify the familiar text, and try to decipher the code and determine what it does. Teacher will display the page in its final version. Students will then refer to each line of HTML code and find it's counterpart in formatted text.
- Evaluation:** Students will complete the HTML Activity Sheet.

HTML Activity Sheet

Student Name: _____ Date: _____

After examining the HTML code below, try and figure out what the page will look like using a browser. Draw it on the bottom half of the sheet.

```
<HTML>
<HEAD>
<TITLE>Mr. Magoo's Fifth Grade Class Page</TITLE>
</HEAD>
< BODY TEXT="#400080" LINK="#FFFFFF" VLINK="#000040"
BGCOLOR="#CB939D" >
```

```
<B><CENTER><FONT SIZE=6 COLOR=#FF0000 FACE="Times New Roman">Mr.
Magoo's Fifth Grade Class Home Page</FONT></CENTER><BR>
```

```
<CENTER><FONT SIZE=5 COLOR=#AD93EA >A Message from <A HREF="teacher
pic.htm">Mr. Magoo:</A></FONT><BR></CENTER>
Greetings. On behalf of my students, I welcome you to our class page. Here you will find
a generous selection of our artwork, stories, narratives, and autobiographical work. We
hope you enjoy the work we've presented here and invite you to check back for monthly
updates. Feel free to e-mail myself or any student with comments, and enjoy your
stay.</I></CENTER></FONT><BR>
</B>
<CENTER>
<BR><FONT SIZE=5 COLOR=#FFFE80>Choose a link below to see our most recent
work:</FONT><BR>
```

* * * * *

Lesson 6

Compiling Graphics and Text into an HTML Document

- Objective:** Students will demonstrate an ability to insert images into HTML text.
- Vocabulary:** gif, bitmap, jpeg
- Procedure:** Students will view a variety of images using a common image viewing program. They will be introduced to the various formats, including a brief history of how and why each was developed, and their advantages or disadvantages. They will then learn how to insert an image into an HTML document.
- Evaluation:** Students will be given a sheet of HTML code and told where the image must be inserted. They will then write the code to insert the image.

Adding Images to HTML Code

Student Name: _____ Date: _____

Add the correct code to the HTML text below to display an image as indicated.

```
<HTML>
<HEAD>
<TITLE>Mr. Magoo's Fifth Grade Class Page</TITLE>
</HEAD>
< BODY TEXT="#400080" LINK="#FFFFFF" VLINK="#000040"
BGCOLOR="#CB939D" >

<B><CENTER><FONT SIZE=6 COLOR=#FF0000 FACE="Times New Roman">Mr.
Magoo's Fifth Grade Class Home Page</FONT></CENTER><BR>
```

INSERT THE IMAGE HERE ??????????

```
<CENTER><FONT SIZE=5 COLOR=#AD93EA >A Message from <A HREF="teacher
pic.htm">Mr. Magoo:</A></FONT><BR></CENTER>
Greetings. On behalf of my students, I welcome you to our class page. Here you will find
a generous selection of our artwork, stories, narratives, and autobiographical work. We
hope you enjoy the work we've presented here and invite you to check back for monthly
updates. Feel free to e-mail myself or any student with comments, and enjoy your
stay.</I></CENTER></FONT><BR>
</B>
<CENTER>
<BR><FONT SIZE=5 COLOR=#FFFE80>Choose a link below to see our most recent
work:</FONT><BR>
```

Lesson 7

Design Session

- Objective:** Students will begin compiling the content they have collected and will layout the hierarchy of the School Page.
- Procedure:** Students will bring in printouts and disks of all the content they have collected to date. It will be sorted by category (artwork, photos, poems, fiction, etc.) They will then brainstorm a layout for the page and we will reach a consensus. Students will then be given assignments to complete which will prepare the content for insertion into the Web Page.
- Evaluation:** Based on the final version of the page layout.

Lesson 8

Add-ons and Enhancements: Audio, Video and Java

- Objective:** Students will identify various multimedia components on various Web Pages.
- Vocabulary:** wave file, au file, mpeg, Real Audio ©, JAVA ©
- Procedure:** Students will view a variety of Web Pages that have multimedia content. We will examine the code and the applications that support the applets. Specifically, we will use the Real Audio plugin to get the news of the day from National Public Radio.
- Evaluation:** Based on observation of students while viewing various pages. Teacher will query students as to the various components of the pages we view.

Lesson 9

Posting the Page: FTP Basics

- Objective:** Students will post a draft version of the page to our ISP using File Transfer Protocol.
- Vocabulary:** FTP
- Procedure:** Teacher will explain how FTP works by demonstration and graphic aid (using a drawing on the board). Students will then split into three groups. Each group will post a component of the page to our ISP using FTP.
- Evaluation:** Based on observation of successful transfer.

Lesson 10

Closing and Course Evaluation

- Objective:** Students will critique the new school Web Page. They will evaluate their work using criteria defined in class. Students will then complete a course evaluation sheet.
- Procedure:** Class will review the elements of a successful Web Page, returning to pages visited earlier in the course. We will then view our page and evaluate it informally using the same criteria we used to critique other school's pages. Finally, students will receive a course evaluation sheet and Certificate of Completion to be completed at home.

Course Evaluation

Congratulations! You have successfully completed the course "Putting Our School on the Web ". You have demonstrated an ability and willingness to learn which is much appreciated. Your last task for this course is to help me better assess the course itself and my teaching of it. You may complete this at home with a parent if you like. Please take the time to complete it seriously and honestly. Do NOT put your name on it. When it is complete, you may put it in my mailbox in the office, or send it to my class. Thank you for your cooperation.

Answer each question in the space provided. Use the back if you need more space.

- 1 Did the course meet your expectations? If no, why?**

- 2 Was the course material understandable? Did it make sense to you?**

- 3 What was your favorite part of the course?**

- 4 What was your least favorite part of the course?**

- 5 What would you have like to done more of? Less of?**

- 6 Please comment on Mr. Magoo's teaching.
What did you like? Dislike?**

- 7 Use the space below and on the back for any comments you may have. Please feel free to be honest and specific.**