

IT and Me Works

Lesson Plan for Programming Strand

Topic: Web Programming
Teacher: Cheryl Allen
Subject: IT & Me Works
Grade: 9th
Time: 2-4 hours (based on length of course)
Objectives: At the end of this lesson students will:

- Identify and use basic HTML tags to include:
 - html, head, title, body, hr, ul, li, h1-6
- Create a web page using Notepad.
- View a web page using a browser (Netscape, Explorer, etc.)

Standards:

- Students will demonstrate an increasing ability to recognize parts of any object or system, and understand how the parts interrelate in the operation of that object or system.
- Students will demonstrate the interest and ability to write effectively for a variety of purposes and audiences.
- The student will use information-gathering techniques and technologies in collecting, analyzing, organizing, and presenting information.

Setting: Computer Lab

Materials: Internet Connection
Computer with Notepad and Web Browser

Teacher's Role:

- Discuss HTML; the language used to create web pages.
- Refer students to the HTML tutorial website:
<http://www.davesite.com/webstation/html/>
- Assign MiniChapter 1 & 2; these two chapters will cover the tags mentioned in the Objectives.
- Assign students to work with a partner to explore the Internet in search of additional resources available for Web Programming.
- Discuss use of Notepad in web page authoring.
- Discuss use of Browser to view web pages.
- Assign **All About Me** (example page attached)
 - Students are to create a web page using Notepad (or WordPad for Mac), which describes them.
 - This page should contain the following requirements:
 - Valid Title
 - Heading
 - Horizontal Rule dividing text appropriately
 - Brief paragraph describing the student
 - An unordered (or ordered) list of the student's top 3 favorite _____
(foods, songs, places to travel, etc.)
 - File should be saved as **studentname.html**, the file should be viewed often in the browser window to check for errors.

- Students are to print the web page from the browser window and the source code from the Notepad.

Evaluation/Assessment:

Students are evaluated on their ability to create, view, and print a basic web page; as well as, their appropriate use of spelling, grammar and punctuation.

School to Career Connection:

Have a representative from a local business visit class and discuss their own web page, how it has affected their business and what is involved in maintaining it.

Employability:

Written Expression

Analyzing, organizing and presenting information

**All About Me
Example HTML Code**

```
<html>
<head>
<title>All About Me – student name</title>
</head>
<body>
<h1> Everything you ever wanted to know about Student Name</h1>
<hr>
I am a student at this school. I enjoy biking, crafts, reading and computers. In the summer, I
enjoy my time away from school and spending it with my family and friends. During the school
year, I am very busy in the Latin Club and the High School Marching Band.
<hr>
<h2>My top 3 favorite TV Shows</h2>
<ul>
<li>Nova</li>
<li>America’s Funniest Home Videos</li>
<li>Primetime Live</li>
</ul>
<hr>
</body>
</html>
```