

**Effective Date:** 2009-2010

## Hamburg Area School District

**Name of Course:** Web Page Design

**Department:** Business & Computer Technology

**Grade Level:** 10-12

**Instructional Time:**

**Length of Course:** 15 cycles

**Period Per Cycle:** 6

**Length of Period:** 45 minutes

### **Texts and Resources:**

Adobe Dreamweaver CS4 Revealed  
(Sherry Bishop, 2010)

Adobe Dreamweaver CS4 software  
Teacher made resources  
Websites  
Online tutorials

### **Assessments:**

Projects  
Weekly quizzes  
Curriculum-based assessments  
Digital notebooks  
Homework  
Presentations  
Teacher Observations

**Hamburg Area School District  
Course Plan  
Business and Computer Technology**

Course Name: Web Page Design  
Unit: Introduction to HTML

Time Line: 2 cycles

Essential Content/ Essential Questions	Performance Objectives	Standards/Anchors
What does HTML stand for? What is HTML?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Learn what HTML is and what it does</li> <li>▪ Understand simple rules of coding</li> <li>▪ Learn basic HTML code to create a webpage</li> <li>▪ Understand how and why HTML uses tag</li> <li>▪ Learn proper file naming structure for a webpage</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What is the basic code to create a webpage in HTML?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create a webpage in Notepad</li> <li>▪ Edit font style, color, and size</li> <li>▪ Add images</li> <li>▪ Align text in a webpage</li> <li>▪ Add background color to webpage</li> <li>▪ Create internal and external hyperlinks</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
How can spacing and layout enhance your website?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Control spacing and layout in a webpage</li> <li>▪ Begin memorizing tags</li> <li>▪ Add scrolling marquee</li> <li>▪ Use problem solving skills to analyze HTML code and identify/correct needed areas.</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
Why is it important to have alternate text on each image in your website?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Add horizontal lines</li> <li>▪ Create lists (ordered and unordered)</li> <li>▪ Add alternate text</li> <li>▪ Add multimedia file to webpage</li> <li>▪ Add borders to images</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A

**Hamburg Area School District  
Course Plan  
Business and Computer Technology**

Course Name: Web Page Design  
Unit: Tables

Time Line: 2 cycles

Essential Content/ Essential Questions	Performance Objectives	Standards/Anchors
Why are tables vital in websites? What are the tags that make a table in HTML?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Learn code to create a basic table</li> <li>▪ Create a table in notepad</li> <li>▪ Change background color inside table</li> <li>▪ Center all text inside table</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What is the difference between cell spacing and cel padding?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create a table with table headers</li> <li>▪ Create a table with cell spacing</li> <li>▪ Enhance table with cell padding</li> <li>▪ Change border width</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
When would you need to create a table with a row span?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create a table with a row span</li> <li>▪ Understand coding for “rowspan” tags</li> <li>▪ Design a table with two row spans</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What is the HTML tag for a col span?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create a table with a col span</li> <li>▪ Understand coding for “colspan” tags</li> <li>▪ Design a table with two col spans</li> <li>▪ Create a full webpage with all tags learned so far</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A

**Hamburg Area School District  
Course Plan  
Business and Computer Technology**

**Course Name: Web Page Design  
Unit: Getting Started with Dreamweaver**

**Time Line: 1 cycle**

<b>Essential Content/ Essential Questions</b>	<b>Performance Objectives</b>	<b>Standards/Anchors</b>
What is Dreamweaver? How is Dreamweaver alike/different from HTML? What are the concepts of good web design?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Open Dreamweaver</li> <li>▪ Explore Dreamweaver workspace</li> <li>▪ Understand different views</li> <li>▪ Use tools</li> <li>▪ Examine web pages that exhibit good or bad design.</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What are the basic webpage elements in Dreamweaver?	Students will be able to: <ul style="list-style-type: none"> <li>▪ View a webpage and use help</li> <li>▪ Open a webpage</li> <li>▪ View basic webpage elements</li> <li>▪ Get help</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
Why is it important to plan a website before you create it? How do you set up a website in Dreamweaver?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Plan and define a website</li> <li>▪ Understand process of website creation</li> <li>▪ Set up basic structure of website</li> <li>▪ Create web pages and collect content</li> <li>▪ Test, modify, and publish website</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
How do you add folders to a website? How do you add additional pages to a website?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Add folders to website</li> <li>▪ Create a homepage</li> <li>▪ Add other pages to website</li> <li>▪ Save images into assets folder</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A

**Hamburg Area School District  
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**Course Name: Web Page Design  
Unit: Developing a Web Page**

**Time Line: 1.5 cycles**

<b>Essential Content/ Essential Questions</b>	<b>Performance Objectives</b>	<b>Standards/Anchors</b>
<p>How can having web page properties make the design process more efficient? What is a keyword?</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>▪ Create head content</li> <li>▪ Set web page properties</li> <li>▪ Edit page title</li> <li>▪ Enter keywords and description</li> <li>▪ Set background color</li> </ul>	<p>3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A</p>
<p>How can you change your fonts in Dreamweaver? What are text properties?</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>▪ Create and import text</li> <li>▪ Format text using property inspector</li> <li>▪ Change fonts (colors, style, and size)</li> <li>▪ Format paragraphs</li> <li>▪ Set text properties</li> </ul>	<p>3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A</p>
<p>What is a hyperlink, and what is its purpose?</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>▪ Add links to web pages</li> <li>▪ Create and use navigation bars</li> <li>▪ Insert horizontal rule</li> <li>▪ Create external links</li> <li>▪ View email links in assets panel</li> </ul>	<p>3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A</p>
<p>Why should you test and modify your website before you publish it?</p>	<p>Students will be able to:</p> <ul style="list-style-type: none"> <li>▪ Use history panel to edit code</li> <li>▪ View HTML code</li> <li>▪ Test and modify web pages</li> <li>▪ Learn about browsers and screen sizes</li> </ul>	<p>3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A</p>

**Hamburg Area School District  
Course Plan  
Business and Computer Technology**

Course Name: Web Page Design  
Unit: Working with Text and Images

Time Line: 1.5

<b>Essential Content/ Essential Questions</b>	<b>Performance Objectives</b>	<b>Standards/Anchors</b>
When would you use lists in a website?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create and format unordered lists</li> <li>▪ Create and format ordered lists</li> <li>▪ Create definition lists</li> <li>▪ Use images to enhance web page</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What is a cascading style sheet?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Compare advantages of using style sheets</li> <li>▪ Use CSS styles panel</li> <li>▪ Create a cascading style sheet and rules</li> <li>▪ Apply and edit a rule in CSS</li> <li>▪ Use code navigator to edit rule in CSS</li> <li>▪ Add rules to CSS</li> <li>▪ Attach a styles sheet</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What are the basic graphic file formats?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Understand graphic file formats</li> <li>▪ Align images</li> <li>▪ Insert a graphic</li> <li>▪ Use Adobe bridge</li> <li>▪ Use assets panel</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
How can you check for non-web safe colors?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Add borders, and horizontal and vertical space</li> <li>▪ Edit image settings and set alternate text</li> <li>▪ Insert a background image</li> <li>▪ Manage images</li> <li>▪ Check for non-web safe colors</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A

**Hamburg Area School District  
Course Plan  
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Course Name: Web Page Design  
Unit: Working with Links

Time Line: 1 cycles

Essential Content/ Essential Questions	Performance Objectives	Standards/Anchors
What is the difference between external and internal links?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create external links</li> <li>▪ Create internal links</li> <li>▪ View links in assets panel</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What are anchors? How can you insert a named anchor?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Insert named anchors</li> <li>▪ Create internal links to named anchors</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What is the purpose of having a navigation bar in your website?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create navigation bar using images</li> <li>▪ Copy navigation bar</li> <li>▪ Modify navigation bar</li> <li>▪ Add elements to a navigation bar</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What is an image map? How do you create an image map?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create an image map</li> <li>▪ Manage website links</li> <li>▪ Update a page</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A

**Hamburg Area School District  
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Course Name: Web Page Design  
Unit: Creating Tables

Time Line: 1.5 cycle

<b>Essential Content/ Essential Questions</b>	<b>Performance Objectives</b>	<b>Standards/Anchors</b>
What are the different table modes? How do you create a table?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Understand table modes</li> <li>▪ Create a table</li> <li>▪ Use expanded tables modes</li> <li>▪ Set table accessibility preferences</li> <li>▪ Set table properties</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
Why is it important to resize table elements?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Resize table elements</li> <li>▪ Resize columns</li> <li>▪ Resize rows</li> <li>▪ Split cells</li> <li>▪ Merge cells</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
Explain the process in inserting an images into a table cell.	Students will be able to: <ul style="list-style-type: none"> <li>▪ Insert images in table cells</li> <li>▪ Align images in table cells</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What are the different ways to insert text into a table?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Insert text in a table</li> <li>▪ Format cell content</li> <li>▪ Format cells</li> <li>▪ Modify cell content</li> <li>▪ Check layout</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A



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Course Name: Web Page Design

Unit: Positioning Objects with AP Div tags

Time Line: 1.5 cycle

Essential Content/ Essential Questions	Performance Objectives	Standards/Anchors
What are AP Div elements?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Understand AP elements</li> <li>▪ Use HTML tags to create AP elements</li> <li>▪ Understand AP elements content</li> <li>▪ Draw an AP Div</li> <li>▪ Define an AP Div element</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What is absolute positioning?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Understand absolute positioning</li> <li>▪ Setting positioning attributes</li> <li>▪ Set the left and top position of AP Div</li> <li>▪ Set AP Div height and width</li> <li>▪ Set the Z-index value of AP Div</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
How can you your background as an image using the AP Div?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Set a background color in AP Div</li> <li>▪ Add an image to an AP Div</li> <li>▪ Set a background image</li> <li>▪ Add and format text on an AP Div</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What are some ways to control AP Div elements?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Change the name of an AP Div element</li> <li>▪ Control AP element visibility</li> <li>▪ Work with nested AP elements</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A

**Hamburg Area School District  
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Course Name: Web Page Design  
Unit: Creating and Using Templates

Time Line: 2 cycles

Essential Content/ Essential Questions	Performance Objectives	Standards/Anchors
What are the advantages of using a template when creating websites?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create a template from an existing page</li> <li>▪ Define editable regions</li> <li>▪ Define optional regions</li> <li>▪ Define editable optional regions</li> <li>▪ Create editable regions</li> <li>▪ Modify a template</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
How do create a template?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Create pages using templates</li> <li>▪ Modify editable regions</li> <li>▪ Create links in template-based pages</li> <li>▪ Attach a template to an existing page</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
What are the steps in making changes to a template?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Make changes to a template</li> <li>▪ Update all pages based on a template</li> <li>▪ Modify elements in a template</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A
Why is it important to set parameters for optional regions?	Students will be able to: <ul style="list-style-type: none"> <li>▪ Use advanced template options</li> <li>▪ Set parameters for optional regions</li> <li>▪ Nesting templates</li> <li>▪ Create editable attributes</li> </ul>	3.7.11 A 1.6. 11 E 1.1.11 E 3.7.11 D 3.7.11 E 1.2.11 A