

# *Wallenpaupack Area School District*

## **COURSE: HTML & Page Design**

**GRADE LEVEL:** 10-12

**LENGTH OF COURSE:** 45 days / one semester – meets every other day

**TEXT:** A Guide to Web Authoring Using Microsoft FrontPage 2000

**PUBLISHER:** Lawrenceville Press

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### **COURSE DESCRIPTION:**

This introductory course in HTML authoring and design provides students with an opportunity to apply skills to static and dynamic projects relevant to today's society. Through the use of generic text editors and Microsoft Front Page, students will study, design and apply structural concepts of basic to intermediate HTML design. Research, organization and presentation skills are essential components of this course. Ethical and related legal issues of web-based actions are also discussed during this one semester course. Student enrolled in this course will execute common academic routines and will complete work-intensive projects throughout the term.

### **CURRICULUM WRITING TEAM:**

Kathleen Carachilo

### **DATE OF REVISION:**

2002

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Networks and the Internet

**PA Standards:** 3710 E

3712 D

<b>Topics:</b> What is a network? LANs & Wans Network architecture, topology, transmission and protocol Operating Systems The Internet & Telecommunications Internet service providers, services, privacy issues and use agreements Intranet & Extranet	<b>Skills:</b> Identify and explain the function of the parts of a basic network Analyze the legal responsibilities of computer users Identify and explain various types of on- line services Explain and demonstrate file transfer within and outside of a computer network
<b>Activities:</b> Review Questions Vocabulary	<b>Performance Assessments:</b> Objective test

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** World Wide Web & Internet Explorer

**PA Standards:** 3710 E  
3712 E

<b>Topics:</b> World wide web & website Web browsers & URLs Internet Explorer & surfing Parts of the Explorer window Printing from the web Search techniques Evaluating and citing websites E-mail	<b>Skills:</b> Describe and apply the components of a web page and their function Identify, describe and complete advanced on-line research Analyze the effectiveness of on-line information resources to meet the needs for collaboration, research, publications, communications and productivity Analyze the legal responsibilities of computer users
<b>Activities:</b> Chapter Practice exercises Chapter Exercises – Beginner to intermediate Review Questions Vocabulary	<b>Performance Assessments:</b> Objective & Applied Chapter test

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Introducing HTML (FrontPage)  
HTML additional techniques

**PA Standards:** 3610 B  
3612 B  
3710 E

<b>Topics:</b>	<b>Skills:</b>
What is HTML & the source command Creating HTML in notepad HTML documents & the web browser Basic HTML tags Basic HTML formatting Creating & designing simple web pages	Apply and analyze advanced communication techniques to produce an image that effectively conveys a message Analyze and evaluate a message designed and produced using still, motion and animated communication techniques Describe and apply the components of a web page and it's function
<b>Activities:</b>	<b>Performance Assessments:</b>
Chapter practice exercise Chapter Exercises – Beginner to intermediate Review Questions Vocabulary Additional specific HTML projects	Objective & applied chapter test Additional individual project if appropriate

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Intermediate HTML techniques

**PA Standards:** 3610 B

3612 B

3710 E

<b>Topics:</b> Fonts & Colors Working with graphics Creating tables & lists Frames	<b>Skills:</b> Apply and analyze advanced communication techniques to produce an image that effectively conveys a message Analyze and evaluate a message designed and produced using still, motion and animated communication techniques Describe and apply the components of a web page and its function
<b>Activities:</b> Specific HTML activates Teacher generated notes	<b>Performance Assessments:</b> Objective & applied test Additional individual project if appropriate

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Introducing FrontPage

**PA Standards:** 3710D, E

<b>Topics:</b> What is FrontPage Creating a new web & web page content FrontPage window elements Saving & Printing Opening & Closing Hyperlinks & Bookmarks	<b>Skills:</b> Select and apply software designed to meet a specific need Describe and apply the components of a web page and their function
<b>Activities:</b> Chapter practice exercise Chapter Exercises – Beginner to intermediate Review Questions Vocabulary Additional specific HTML projects	<b>Performance Assessments:</b> Objective & applied chapter test Additional individual project if appropriate

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Creating a Web Site

**PA Standards:** 3710D  
3710E

<b>Topics:</b> Define web Authoring Use FrontPage to create and organize a web site Utilize the navigation structure in FrontPage Create internal hyperlinks and bookmarks Utilize page headers, footers & navigation bars Include shared borders, e-mail hyperlinks & copyright information	<b>Skills:</b> Utilize computer software to solve specific problems Describe and apply the components of a web page and their function
<b>Activities:</b> Chapter practice exercise Chapter Exercises – Beginner to intermediate Review Questions Vocabulary Additional specific HTML projects	<b>Performance Assessments:</b> Objective & applied chapter test Additional individual project if appropriate

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Developing a Web Site

**PA Standards:** 3610B  
3612B  
3710D,E

<b>Topics:</b>	<b>Skills:</b>
Steps involved in developing a web site Purpose and target audience Pages & navigation structure Content Navigation bars Layout standards, design concepts & consistency Using tasks view Utilizing tables in web pages	Apply and analyze advanced communication techniques to produce an image that effectively conveys a message Analyze and evaluate a message designed and produced using still, motion and animated communication techniques Utilize computer software to solve specific problems Describe and apply the components of a web page and their function
<b>Activities:</b>	<b>Performance Assessments:</b>
Chapter practice exercise Chapter Exercises – Beginner to intermediate Review Questions Vocabulary Additional specific HTML projects	Objective & applied chapter test Additional individual project if appropriate

# Wallenpaupack Area School District

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Typography, Paragraph  
Formats, & Color

**PA Standards:** 3610B  
3612B  
3710D,E

<b>Topics:</b>	<b>Skills:</b>
Defining typography, fonts, sizes, & styles Formatting fonts, sizes & styles Inserting symbols & horizontal rules Formatting paragraphs, alignment, spacing, & indents Bulleted & numbered lists Designing with color Dynamic HTML	Apply and analyze advanced communication techniques to produce an image that effectively conveys a message Analyze and evaluate a message designed and produced using still, motion and animated communication techniques Utilize computer software to solve specific problems Describe and apply the components of a web page and their function
<b>Activities:</b>	<b>Performance Assessments:</b>
Chapter practice exercise Chapter Exercises – Beginner to intermediate Review Questions Vocabulary Additional specific HTML projects	Objective & applied chapter test Additional individual project if appropriate

# *Wallenpaupack Area School District*

**Course:** Web Page Design & Authoring

**Grade Level:** 10-12

**Unit:** Graphics

**PA Standards:** 3610B  
3612B  
3710D  
3710E

<b>Topics:</b>	<b>Skills:</b>
<ul style="list-style-type: none"> <li>Utilize GIF and JPG graphic file formats</li> <li>Size, resample, &amp; reverse sizing &amp; resampling</li> <li>Move, copy &amp; crop graphics</li> <li>Saving &amp; converting graphics</li> <li>Setting transparent color</li> <li>Creating thumbnails</li> <li>Alternative text &amp; graphic hyperlinks</li> <li>Adding dynamic HTML effects to graphics</li> <li>Create an image map</li> <li>Text hotspots</li> </ul>	<ul style="list-style-type: none"> <li>Apply and analyze advanced communication techniques to produce an image that effectively conveys a message</li> <li>Analyze and evaluate a message designed and produced using still, motion and animated communication techniques</li> <li>Utilize computer software to solve specific problems</li> <li>Describe and apply the components of a web page and their function</li> </ul>
<b>Activities:</b>	<b>Performance Assessments:</b>
<ul style="list-style-type: none"> <li>Chapter practice exercise</li> <li>Chapter Exercises – Beginner to intermediate</li> <li>Review Questions</li> <li>Vocabulary</li> <li>Additional specific HTML projects</li> </ul>	<ul style="list-style-type: none"> <li>Objective &amp; applied chapter test</li> <li>Additional individual project if appropriate</li> </ul>