

**DESE Model Curriculum: Web Design** (CIP Code: 11.0103)  
 GRADE LEVEL/UNIT TITLE: 11-12/Demonstrate Page Creation Skills

<b>COURSE INTRODUCTION</b>		
<p>This course deals with the use of Web programming languages (HTML, Javascript, etc.), graphics applications, and other Web authoring tools to design, edit, launch, and maintain Web sites and pages. Such topics as Internet theory, Web page standards, Web design elements, user interfaces, special effects, navigation, and emerging Web technologies will be included.</p> <p>Course rationale: Rapid technological advancement by businesses to reach global markets, greater focus on industry certifications and national skill standards, expansion of responsibilities of office workers, portability of employee skills—all these increase the need for business students in career education programs to have skills in Web design and maintenance.</p>		
<b>UNIT DESCRIPTION</b>	<b>SUGGESTED UNIT TIMELINE</b>	
<p>This unit will teach the basics of HTML coding. Students will receive introductions to HTML tags and learn the distinction between elements and attributes. They will create and use a template.</p>	40-50 days	
	<b>CLASS PERIOD (min.)</b>	
50 minutes		
<b>ESSENTIAL QUESTIONS</b>		
<ol style="list-style-type: none"> <li>1. How will you create a web page that will visually present your message to your target audience?</li> <li>2. How will you present the same information on different devices using different configurations?</li> <li>3. What pre-coding can you have in a template to more effectively create web pages in the future?</li> </ol>		
<b>ESSENTIAL MEASURABLE LEARNING OBJECTIVES</b>	<b>NBEA STANDARD</b>	<b>DOK</b>
1. Use Web authoring software to create Web pages	IT.V.3.5	2
2. Identify and apply HTML tags and attributes for basic Web page design (e.g., title, metadata, table, link)	IT.V.3.5	3
3. Create and use a template	IT.V.3.5	4
<b>OBJ. #</b>	<b>INSTRUCTIONAL STRATEGIES</b>	
1, 3	1. Provide students with an overview of notepad++	
2, 3	2. Self-paced instruction with check points for accuracy. Tables: Teacher guided instruction over reading about tables and finding tables on the Internet and critically evaluating correct use.	
<b>OBJ. #</b>	<b>INSTRUCTIONAL ACTIVITIES</b>	
1, 3	1. Guided hands on exploration of notepad++	
2, 3	2. <i>CreatingPagesHTML.docx</i> 3. Tables: Read <i>DataTablesInModernWebDesign.docx</i> , find tables on the Internet	