

Business Curriculum

Building: CHS Course: Webpage Design				
Competency Group: Computer skills, coding,				
Competency Description: Students will use HTML, CSS and Java Script to code webpages. They will also use these skills to code their pages to adapt for mobile devices. Students will design websites using planning and storyboards. They will also create and publish websites using free hosting programs like Weebly, Wix and Google Sites.				
Measurable Learner Objective	Integrated Skills/ Crosscutting	DOK	Unit	Instructional Strategies/Student Activities/ Resources
learn internet vocabulary	Technology, collaboration	1- Recall	Introduction	Play vocab games to memorize the vocabulary
history of HTML Tools for working with HTML Code the document head	Technology, critical thinking	1 - Recall	Session 1.1	Teacher will demonstrate and students will complete practice with teacher
Code the page Body Adding images to the website troubleshooting	Technology, Communication Arts, collaboration, critical thinking	2 - Skill/Concept	Session 1.2	Teacher will demonstrate and students will complete practice provided in the textbook. Students will also complete exercises at the end of the chapter that includes these concepts . Students will troubleshoot their assignments with assistance from the teacher or other students.

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adding lists working with links adding hyperlinks	Technology, critical thinking	2 - Skill/Concept	Session 1.3	Teacher will demonstrate and students will complete practice provided in the textbook. Students will also complete exercises at the end of the chapter that includes these concepts
Introducing CSS Using inline style Adding an external sheet Working with color	Technology, Critical Thinking, problem solving	2 Skill/Concept	Session 2.1	Students will also complete exercises at the end of the chapter that includes these concept Students will complete a Breakout game to review these topics and build teamwork and problem solving skills.
Explore selector patterns Work with fonts, font styles and sizes	Technology, critical thinking	2 - Skill/Concept	Session 2.2	Students will also complete exercises at the end of the chapter that includes these concept
Students will troubleshoot websites and code	Technology, Critical thinking, collaboration	2 - Skill/Concept 3 - Strategic Thinking	All units	Students will use the Validator website to locate errors in their code. They will use this information to find out what the problem is and how to go about solving it. They will also collaborate with other students and the teacher to locate and correct coding and design errors.

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<p>Formatting lists Working with Margins and padding Generating content with CSS</p>	<p>Technology, critical thinking,</p>	<p>2 - Skill/Concept</p>	<p>Session 2.3</p>	<p>Students will also complete exercises at the end of the chapter that includes these concept</p> <p>Students will also use https://www.w3schools.com/html/html_css.asp to create and test their own code as part of the learning process.</p>
<p>Designing a page layout Explore page layout designs floating page content</p>	<p>Technology, creativity, collaboration</p>	<p>4 - Extended Thinking</p>	<p>Session 3.1</p>	<p>Draw a storyboard for a website. Have a classmate give feedback on your story board.</p>
<p>Designing for the mobile web create a mobile design create tablet design</p>	<p>Technology, Communication, Collaboration, Creativity</p>	<p>4 - Extended Thinking</p>	<p>Session 5.1</p>	<p>Students will work in teams to create a design for a mobile website. They will choose the topic of their website and compose all the pages.</p>
<p>Flex boxes for mobile web</p>	<p>Technology, communication</p>	<p>2 - Skill/Concept</p>	<p>Session 5.2</p>	<p>Add flex boxes to a website that you have created, write a short paragraph of why flex boxes will make the website better.</p>
<p>Coding table Adding CSS to table code</p>	<p>Technology, critical thinking,</p>	<p>2 - Skill/Concept</p>	<p>Session 6.1</p>	<p>Students will draw out a table from the textbook and write in the code. Then enter the code in Notepad++ to see if you have it all coded correctly.</p>

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				Complete other practice exercises from the textbook. All projects will be tested with the validator website to make sure they are honoring standards.
Advanced table features	Technology, Collaboration	3 - Strategic Thinking	Session 6.2	Students will be given a table drawn out on the whiteboard by the teacher. Two students per table, will add the appropriate code to duplicate that table. They will then enter the code on their computer, test the code and troubleshoot until it is correct.
Introduce Java Scripts code with script Element Create JavaScript Program Debugging Code	Technology, critical thinking	3 - Strategic thinking	Session 9.1	Students will complete, troubleshoot and correct projects listed in the textbook.
Introduce Java objects Referencing Java Objects Working with Data Objects	Technology, critical thinking, writing	3 - Strategic thinking	Session 9.2	Students will complete, troubleshoot and correct projects listed in the textbook.
compose their own code design their own website	Technology, Communication Arts, Creativity, Collaboration , critical thinking	4 - Extended thinking	all units	Create their own website from design to code to finish to demonstrate what they have learned, students will be paired with two other students. These groups of three will meet three times during

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				<p>the process of creating their websites so they can peer review the work each of them are doing and collaborate on improvements and brainstorm to offer suggestions for each of them to improve their projects.</p> <p>Students are encouraged to seek opinions of fellow students during the creation process.</p> <p>Students will complete a peer review of students projects.</p>
employment options	Career Education,	2 - Skill/ Concept	Career Unit	Teacher will share opportunities and requirements with jobs, Guest Speakers will share what their job entails.
Components of electronic portfolio uses of an electronic portfolio	Career Education, Communication Arts, critical thinking	3 - Strategic Thinking	Career Unit	Students will design an electronic portfolio with a fee hosting website.
<ul style="list-style-type: none"> Introduce free online web hosting program 	Technology, writing	3 - Strategic Thinking	Free Hosting Unit	Students will create an electronic portfolio using Weebly, Wix or Google Sites