Subject:	Computer Science	Course/Grade Level:	Web Design II for Designers / 10th-12th
Focus Statement:	**This course will focus creating more sophisticated websites. Students will choose to focus on the programming end of web applications or the design end of those applications and will collaborate to create web applications for use by the school and community.**		

Outcome 1:

CTE.WEBII.1	**Students will analyze the history of web standards and compare and contrast early standards to the standards of today.**				
Pacing:		**Local Code:**	**Components:**	**Web Standards Curriculum Referenced**	**Local ILT Standards Referenced**
Instruct	**Assess**		**Students will:**		
NA	NA	CTE.WEBII.1.1	Explain how the browser wars and how they shaped early web standards.	WEB.1.1	
NA	NA	CTE.WEBII.1.2	Explain how the Internet's origins led to the development of early web standards.	WEB.1.1	
NA	NA	CTE.WEBII.1.3	Defend why content and design are separated into HTML and CSS.	WEB.1.3	

Outcome 2:

CTE.WEBII.2	**Students will be able to create a web page using HTML tags.**				
Pacing:		**Local Code:**	**Components:**	**Web Standards Curriculum Referenced**	**Local ILT Standards Referenced**
Instruct	**Assess**		**Students will:**		

NA	NA	CTE.WEBII.2.1	Demonstrate the syntax of HTML elements.	WEB.2.1	
NA	NA	CTE.WEBII.2.2	Compare and contrast inline and block-level elements.	WEB.2.1	
NA	NA	CTE.WEBII.2.3	Show how to use special character references.	WEB.2.1	
NA	NA	CTE.WEBII.2.4	Compare and contrast HTML and XHTML.	WEB.2.2	
NA	NA	CTE.WEBII.2.5	Debate the importance of various elements within the <head> tag.	WEB.2.3	
NA	NA	CTE.WEBII.2.6	Show how to create forms to gather input from a website visitor.	WEB.3.6	
NA	NA	CTE.WEBII.2.7	Show how to implement HTML5 form elements.	WEB.3.7	
NA	NA	CTE.WEBII.2.8	Show how to implement HTML5 structural tags.	WEB.3.8	
NA	NA	CTE.WEBII.2.9	Show how to validate an HTML page.	WEB.3.10	
NA	NA	CTE.WEBII.2.10	Defend why the validation errors of an HTML page that does not validate do not need to be corrected.	WEB.3.10	
NA	NA	CTE.WEBII.2.11	Show how accessibility is important for a website.	WEB.4.1	
NA	NA	CTE.WEBII.2.12	Show how to test for accessibility problems on a website.	WEB.4.2	

Outcome 3:

CTE.WEBII.3		Students will style a web page using CSS.			
Pacing:		**Local Code:**	**Components:**	**Web Standards Curriculum Referenced**	**Local ILT Standards Referenced**
Instruct	**Assess**		**Students will:**		
NA	NA	CTE.WEBII.3.1	Demonstrate how to use element, ID, and class selectors.	WEB.5.1	
NA	NA	CTE.WEBII.3.2	Demonstrate how to group selectors and combine selectors.	WEB.5.1	
NA	NA	CTE.WEBII.3.3	Demonstrate how to use advanced CSS selectors.	WEB.5.2	
NA	NA	CTE.WEBII.3.4	Show how inheritance affects the style of elements on a website.	WEB.5.3	
NA	NA	CTE.WEBII.3.5	Demonstrate how to use CSS for page layout.	WEB.5.5	
NA	NA	CTE.WEBII.3.6	Demonstrate how to use CSS sprites to minimize HTTP requests.	WEB.5.6	
NA	NA	CTE.WEBII.3.7	Demonstrate how to style forms.	WEB.5.9	

Outcome 4:

CTE.WEBII.4			Students will be able to create and edit graphics for use on a website.		
Pacing:		**Local Code:**	**Components:**	**Web Standards Curriculum Referenced**	**Local ILT Standards Referenced**
Instruct	**Assess**		**Students will:**		
NA	NA	CTE.WEBII.4.1	Show how to create a properly-formed favicon for use on a website.	WEB.2.4	
NA	NA	CTE.WEBII.4.2	Create a logo in different sizes for use on a website.		
NA	NA	CTE.WEBII.4.3	Crop and/or remove the background of an image for use on a website.		

Outcome 5:

CTE.WEBII.5			Students will be able to evaluate and choose fonts for use on a website.		
Pacing:		**Local Code:**	**Components:**	**Web Standards Curriculum Referenced**	**Local ILT Standards Referenced**
Instruct	**Assess**		**Students will:**		
NA	NA	CTE.WEBII.5.1	Compare and contrast different font families		
NA	NA	CTE.WEBII.5.2	Analyze websites and defend whether or not the site made good font choices.		
NA	NA	CTE.WEBII.5.3	Defend the font choices made for a student-created website.		

Outcome 6:

CTE.WEBII.6			Students will be able to design a website using responsive design.		
Pacing:		**Local Code:**	**Components:**	**Web Standards Curriculum Referenced**	**Local ILT Standards Referenced**
Instruct	**Assess**		**Students will:**		
NA	NA	CTE.WEBII.6.1	Illustrate why responsive design is necessary by showing examples of websites that do not use responsive design.		
NA	NA	CTE.WEBII.6.2	Design a website using responsive design that has at least three levels.		
NA	NA	CTE.WEBII.6.3	Show that a website is responsively designed by testing it on a variety of devices and browser window sizes.		