Time Frame: 5 weeks	Unit Title: HTML – Structuring Websites	Course Name: Web Development

Stage 1 - Desired Results

Established Goals	Transfer
NH CS Standards *IC - Impacts of Computing* 1B-IC-21 Use public domain or creative commons media, and refrain from copying or using material created by others without permission. *AP – Algorithms and Programming* 1B-AP-17 Describe choices made during program development using code comments, presentations, and demonstrations. 2-AP-13 Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs	*Students will be able to independently use their learning to…* apply Hypertext Markup Language (HTML) to content with appropriate structure to effectively communicate information on web pages.

	Meaning
	UNDERSTANDINGS *Students will understand that….* Hypertext Markup Language (HTML) is the language that provides the structure for content on a web page. HTML syntax is critical for web pages to render correctly in different web browsers. Understanding Creative Commons and other licenses is important so that web developers respect the rights of content creators when using media on their web sites. ┃ ESSENTIAL QUESTIONS *Students will keep considering* How do HTML tags communicate structure on a web page? How does the hierarchy of HTML tags contribute to the structure of a web page? What is the purpose of an HTML attribute and how do they affect HTML tags? How can we respect the rights of creators when using images on web pages?

Acquisition

2-AP-16 Incorporate existing code, media, and libraries into original programs, and give attribution. 3A-AP-19 Systematically design and develop programs for broad audiences by incorporating feedback from users. **Common Core State Standards for English Language Arts** CCSS.ELA-LITERACY.RST.9-10.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text. CCSS.ELA-LITERACY.RST.9-10.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant	*Students will know…* ● Web page ● Browser ● Hypertext Markup Language (HTML) ● HTML Boilerplate ● Heading and Paragraph Tags ● Formatting tags ● Image tag ● Links ● Lists – Ordered and Unordered ● Tables ● Creative Commons licensing ● Public Domain ● Parent, Child, and Sibling Elements ● Code indentation to indicate HTML hierarchy	Students will be skilled at… ● Describing the process of visiting a webpage, from typing the URL to viewing the page ● Identifying the purpose and applications of HTML ● Discerning the various parts of an HTML page ● Creating fully formed HTML pages ● Applying formatting tags in order to modify the appearance of text and make web pages look clear and aesthetically pleasing ● Adding and utilizing hyperlinks on webpages ● Embedding an image in HTML ● Using attributes in an image tag to indicate the image file source, alt text, and size ● Explaining what copyright laws are and why they are important ● Finding images they are legally allowed to use in their projects ● Accurately attributing images they find and want to use ● Incorporating ordered and unordered lists into webpages ● Coding HTML tables to display tabular data

to grades 9-10 texts and topics. WHST.9-10.4 Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.		

The UbD Template, Version 2.0 - 2011 by Grant Wiggins and Jay McTighe