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| Time Frame: 5 weeks | Unit Title: Advanced HTML and CSS | | Course Name: Web Development |
| Stage 1 - Desired Results | | | |
| <p>Established Goals</p> <p>NH CS Standards</p> <p><i>IC - Impacts of Computing</i></p> <p>1B-IC-21 Use public domain or creative commons media, and refrain from copying or using material created by others without permission.</p> <p>2-IC-21 Discuss issues of bias and accessibility in the design of existing technologies.</p> <p><i>AP – Algorithms and Programming</i></p> <p>1B-AP-17 Describe choices made during program development using code comments, presentations, and demonstrations.</p> | Transfer | | |
| | <p><i>Students will be able to independently use their learning to...</i></p> <p>Create visually appealing and well-organized multi-page web sites that are accessible to all users.</p> | | |
| | Meaning | | |
| | <p>UNDERSTANDINGS</p> <p><i>Students will understand that....</i></p> <p>Separating HTML and CSS code into different files improves readability, code reusability, and maintainability.</p> <p>HTML divisions create sections for styling groups of elements.</p> <p>Semantic HTML code is required to make web pages accessible for users with disabilities.</p> <p>Design elements, such as navigation bars, can improve the user experience in a multi-page web site</p> | <p>ESSENTIAL QUESTIONS</p> <p><i>Students will keep considering</i></p> <p>Why do multi-file and multi-page websites make sense from a user experience and from a development perspective?</p> <p>How can tag and design choices improve the user experience in a web site?</p> <p>How can CSS selectors be combined to achieve specific styles and create efficient, maintainable code?</p> | |
| | Acquisition | | |

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| <p>2-AP-13 Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs</p> <p>2-AP-16 Incorporate existing code, media, and libraries into original programs, and give attribution.</p> <p>3A-AP-21 Evaluate and refine computational artifacts to make them more usable and accessible.</p> | <p><i>Students will know...</i></p> <ul style="list-style-type: none"> ● Linking stylesheets ● iFrames ● Divs ● Spans ● Semantic HTML tags ● HTML Hierarchy ● CSS Combinators ● The Don't Repeat Yourself principle ● Pseudo-classes and pseudo-elements ● Navigation bars | <p>Students will be skilled at...</p> <ul style="list-style-type: none"> ● Creating multi-page websites with multiple HTML files and separate CSS stylesheets ● Dividing HTML content for styling and accessibility ● Combining CSS selectors for efficiency and specificity ● Using styles to provide responsiveness to users ● Designing navigation bars |
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