Unit Plan

Unit Title: Web Coding and Programing Design

Essential Questions:
How does a software engineer use a computer program to get a computer to perform a task?
What is the nature of object-oriented problem-solving programming techniques?
What is the importance of being able to define new instructions (methods) in a programming language
What is HTML, and how can I code simple webpages using it?

Standards: PA Core Standards, PA Academic Standards/Anchors (based on subject)
15.4.8.H: Explain the differences between a scripting language and a coding language.
15.4.8.I: Solve a problem with an algorithm.
Technology Literacy: 8.1.B.9, 8.1.B.10, 8.1.B.11, 8.2.B.3, 8.2.B.5, 8.2.B.6

Summative Unit Assessment : Students will program a simple website using HTML

Summative Assessment Objective	Assessment Method (check one)
Students will create a website using HTML and coding skills in notepad. Students will begin to understand the function of simple coding in order to create their final product.	__x__ Rubric ____ Checklist _____ Unit Test _____ Group ____ Student Self-Assessment ____ Other (explain)

DAILY PLAN

Day	Objective (s)	DOK LEVEL	Activities / Teaching Strategies	Grouping	Materials / Resources	Assessment of Objective (s)
36	Students will present their final commercials to the class for peer review. Student PowerPoint's will address the needs and interests of the audience with their presentation design	4	**Present Business Project To Class:** Students will take turns presenting their final commercial to the class. Teachers will lead class in discussion after each student presents.	W	Student's final projects to share with class.	Summative- Students will present their final commercials to the classroom.
37	Students will present their final commercials to the class for peer review. Student PowerPoint's will address the needs and interests of the audience with their presentation design	4	**Present Business Project To Class**: Students will take turns presenting their final commercial to the class. Teachers will lead class in discussion after each student presents.	W	Student's final projects to share with class.	Summative- Students will present their final commercials to the classroom.
38	Students will participate in an hour of code activity. Students will learn that that success does not come on the first try, just like the world's most difficult problems aren't solved on the first try.	3	**Introduction to coding.** The teacher will have students log into hour of code com. The teacher will explain that this course will teach students about computer science, computational thinking, and programming.	I	https://learn.code.org	Student Self - Assessment-will participate in coding games and learn how to fix code.
39	Students will investigate in how to create a basic website using notepad and HTML Coding skills.	3	**Introduction HTML** The teacher will have students open up a notebook page and save it as web.html. The teacher will then have students carefully code the beginning stages of their website.	W	HTML Websheet Software: Notepad	Formative-Students will create a draft copy of a website, Students will investigate creating and manipulating code.
40	Students will design a basic website using notepad and HTML Coding skills.	4	**HTML Project** The teacher will have students open up notepad and find their file from yesterday. Students will work on adding images and coding their site.	I	HTML Websheet Software: Notepad	Summative- Students will be able to create their own webpage by programing in HTML. and notepad.

Teacher Name : Victoria Kozlek   Subject :   Computer Literacy   Start Date(s): Week 9   Grade Level (s): 8th Grade   Building :