

Lesson Plan

Teacher's Name:		Lesson Title: C01L01	
CSTA (Computer Science Teacher Association) Standards: 1A-CS-01, 1A-DA-07, 1A-AP-12, 1A-AP-14, 1A-IC-16, 1B-AP-15			
What is the learning target: To provide education on what programming is, the CWHQ learning platform, and some introductory coding.			
What will the students be working on Students will learn to use the print function, single line comments, and multiline comments.			
Common errors and their solutions: <ul style="list-style-type: none"> - Inside of parentheses for print(), whatever is inside must be surrounded by quotes. - A multiline comment has both openers and closers consisting of 3x “ (” ” ”), with no spaces. 			
Probing Questions for Differentiation			
Assessing Questions <ul style="list-style-type: none"> ● What do you think programming is? ● Where does programming exist in your life? 		Advancing questions <ul style="list-style-type: none"> ● Where might programming exist in your life that is surprising? ● Think about a house, in each room, what things would use programming? 	
Planning Tasks	What will the teacher be doing?	How will students be engaged?	
How will you communicate the lesson's standards/objectives to students and provide relevance?	Ensuring that students are thinking critically about coding and programming. The video will prompt students to stop and think, and instructor should be using this time to check in with students.	Students will focus on thinking about programming in new ways. In addition, they will be getting their first practice in writing code.	
How will the lesson be iterative and incremental?	Helping students to recognize bugs as they learn to write their first lines of code.	Students start by learning the print statement, and then move to single line comments and then to multiline comments.	
What activities will you utilize to teach	During times of reflection, encourage the students to	Students will place single line comments at the	

computational thinking and/or problem solving in this lesson?	actively participate, rather than let the video continue and give the answer.	beginning of their code and see how the placement of their code changes results.
How will you provide differentiated materials, methods & student choice?	Have students practice using the print statement with different words so that they become familiar with it.	Students will be entering a multiline comment with their choice of input.
How will you elicit student questions and reflection? How will your assessment be used to inform future instruction?	Encourage the students to come up with ways in which their brain acts as a computer, thus making them natural programmers.	Students are asked to think about programming in new ways. Many of them will see how programming affects our everyday lives in ways we don't think about.
How will the students see the big picture, and break it down into smaller tasks?	Help the students learn to identify bugs. If they are able to see how the small details prevents their code from working then it will help them understand the big picture of the code.	Students will be adding only one line at a time, thus allowing them to find bugs easier if they make a mistake.