

Grade 8

Distance Learning Module 11: Week of: 6/15/2020-6/18/2020

Grade 8 Computer Science - Modified from [Unit 2 - Introduction to Python Programming](#)

Targeted Goals from Stage 1: Desired Results

Content Knowledge:

- Programming languages, such as Python, are very user-friendly and useful in allowing programmers and end-users to complete tasks, yet they are confining and leave no margin for error.
- Programmers debug and revise their programs to improve the stability of the program and end user experience.
- Programming uses logic to turn programming constructs into a language a computer can interpret and apply.

Vocabulary: Python, syntax, command, conditional statement, nested conditional, function, “for” loop, nested loop, indentation, assignment operator, comparison operator, logical operator, “while” loop, “break” statement, and infinite loop.

Skills:

- Reflect on coding/computer programming as a life skill.

Expectation:

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday <ul style="list-style-type: none">• Read article and accompanying video, then fill out a Google Form survey about coding/computer programming.	<ul style="list-style-type: none">• Should coding be a life skill? article• The True Value of Coding video• Google Form survey• Should coding be a life skill? article• The True Value of Coding video• Google Form survey	<ul style="list-style-type: none">• The teacher will be able to track student progress via Google Classroom.

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Tuesday <ul style="list-style-type: none"> Read article and accompanying video, then fill out a Google Form survey about coding/computer programming. 	<ul style="list-style-type: none"> Should coding be a life skill? article The True Value of Coding video Google Form survey 	<ul style="list-style-type: none"> The teacher will be able to track student progress via Google Classroom.
Wednesday <ul style="list-style-type: none"> Read article and accompanying video, then fill out a Google Form survey about coding/computer programming. 	<ul style="list-style-type: none"> Should coding be a life skill? article The True Value of Coding video Google Form survey 	<ul style="list-style-type: none"> The teacher will be able to track student progress via Google Classroom.
Thursday LAST DAY OF SCHOOL! Hopefully you've finished the last task by now!	<ul style="list-style-type: none"> Should coding be a life skill? article The True Value of Coding video Google Form survey 	<ul style="list-style-type: none"> The teacher will be able to track student progress via Google Classroom.

Week criteria for success (attach student checklists or rubrics):

- Students will complete the Google Form survey about coding.

Supportive resources and tutorials for the week (plans for re-teaching):

My video tutorials above can be viewed multiple times for students to re-teach themselves. I will have my official office hours every day 1:00-2:00, when I will respond to student emails ASAP. But you can contact me at kiefer.michael@madisonps.org any time of the day.