

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"><li>● Read article and accompanying video, then fill out a Google Form survey about coding/computer programming.</li></ul>	<ul style="list-style-type: none"><li>● Should coding be a life skill? article</li><li>● The True Value of Coding video</li><li>● Google Form survey</li><li>● Should coding be a life skill? article</li><li>● The True Value of Coding video</li><li>● Google Form survey</li></ul>	<ul style="list-style-type: none"><li>● The teacher will be able to track student progress via Google Classroom.</li></ul>

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Wednesday <ul style="list-style-type: none"> <li>Read article and accompanying video, then fill out a Google Form survey about coding/computer programming.</li> </ul>	<ul style="list-style-type: none"> <li>Should coding be a life skill? article</li> <li>The True Value of Coding video</li> <li>Google Form survey</li> </ul>	<ul style="list-style-type: none"> <li>The teacher will be able to track student progress via Google Classroom.</li> </ul>
Thursday  <b>LAST DAY OF SCHOOL!</b>  Hopefully you've finished the last task by now!	<ul style="list-style-type: none"> <li>Should coding be a life skill? article</li> <li>The True Value of Coding video</li> <li>Google Form survey</li> </ul>	<ul style="list-style-type: none"> <li>The teacher will be able to track student progress via Google Classroom.</li> </ul>

**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](mailto:kiefer.michael@madisonps.org) any time of the day.