

## **Moon Area School District Curriculum Map**

**Course:** Computer 1

**Grade Level:** 1<sup>st</sup> Grade

**Content Area:** Computer/Technology

**Frequency:** Full-Year Course, 1 day every 5 days

### **Big Ideas:**

1. Input and output devices are used to navigate, stay digitally organized and troubleshoot technology.
2. Students need to take ownership and responsibility of their digital lives.
3. Digital citizenship skills are essential to participate in cyber communities and make smart choices online.
4. Keyboarding skills are necessary to use the keyboard efficiently as a primary tool for communication.
5. Coding develops skills in math, problem solving, communication and creativity.
6. Computers are a tool used to learn, create and discover new things.
7. Creating documents and presentations is crucial to 21<sup>st</sup> century career success.
8. The use of iPad tools fosters digital literacy and promotes active learning.

### **Essential Questions:**

9. What input and output devices are used to navigate, stay organized, and troubleshoot technology?
10. How can you take ownership of your actions when using digital tools?
11. What strategies can you use to stay safe, be responsible, and be kind online?
12. Why should you learn how to use the keyboard quickly and efficiently?
13. How can you use coding to better understand technology?
14. How can you use the computer to help you learn, create, and discover new things?
15. How can you use documents and presentations to convey your thoughts and ideas?
16. How can you use iPad skills to explore and learn about the world around us in a fun and safe way?

### **Primary Resource(s) & Technology:**

Promethean Board, Computers, iPads, Clever, TypeTastic, Code.org  
Scratch Jr., NetSmartzKids, Common Sense Education, Office 365

### **Pennsylvania and/or focus standards referenced at:**

[www.pdesas.org](http://www.pdesas.org)  
[www.education.pa.gov](http://www.education.pa.gov)

<b>Big Ideas/EQs</b>	<b>Focus Standard(s)</b>	<b>Assessed Competencies (Key Content and Skills)</b>	<b>Timeline</b>
1, 9	15.4.2.C 15.4.2.D	<ul style="list-style-type: none"> <li>Identify the mouse as an input device.</li> <li>Utilize fine motor skills to complete basic mouse functions including right and left click, click and drag, double click, scroll up and down.</li> </ul>	Ongoing
1, 9	1A.CS.02 1A.CS.03 15.4.2.A 15.4.2.C 15.4.2.D 15.4.2.M	<ul style="list-style-type: none"> <li>Name and describe parts of the computer including printer, desktop, laptop, CPU, speakers and monitor.</li> <li>Describe computer problems using correct part names.</li> <li>Use simple troubleshooting strategies when problems occur including closing and reopening, plugging in headphones, adjusting volume, maximize and minimize, turning the computer on and off.</li> <li>Log in using username and password.</li> </ul>	Ongoing
2, 3, 10, 11	1A.NI.04 15.4.2.L	<ul style="list-style-type: none"> <li>Explain what passwords are and why we use them for online safety.</li> <li>Understand the importance of being safe, responsible and respectful online.</li> <li>Recognize the different kinds of feelings people can have when using technology.</li> <li>Understand that being safe online is similar to staying safe in real life.</li> <li>Learn to identify websites and apps that are "just right" and "not right" for them.</li> <li>Know how to get help from an adult if they are unsure about a website.</li> </ul>	Ongoing
4, 6, 12, 14	15.4.2.D	<ul style="list-style-type: none"> <li>Locate letters and numbers on the keyboard independently.</li> <li>Use the keyboard as an input device to communicate with the computer.</li> <li>Utilize home row finger placement to type middle row letters, enter, shift, space bar and backspace.</li> <li>Type school email independently.</li> </ul>	Ongoing
5, 13	1.A.AP.08 1.A.AP.09 1.A.AP.10 1.A.AP.11 1.A.AP.12 1.A.AP.14	<ul style="list-style-type: none"> <li>Properly write sequenced algorithms using arrows to represent directions.</li> <li>With assistance, students develop a programming plan to be used to check if the program is correct.</li> </ul>	Ongoing

	1.A.AP.15	<ul style="list-style-type: none"> <li>• Identify patterns in a sequence and use them to create simple coding loops.</li> <li>• Persevere through coding bugs by changing the sequence, following algorithm step-by-step, or trial and error to fix problems.</li> <li>• Identify actions that correlate to input events.</li> <li>• Define coding, sequencing, loops, bugs and events.</li> </ul>	
6, 7, 14, 15	15.4.2.G 15.4.2.K	<ul style="list-style-type: none"> <li>• Log in to Office 365 and open a Word document.</li> <li>• Properly change font, style, size, color, and alignment.</li> </ul>	Ongoing
7, 8, 15, 16	15.4.2.G 15.4.2.K 15.6.2.L	<ul style="list-style-type: none"> <li>• Use Safari for simple web searches.</li> <li>• Utilize translator to convert text or speech from one language to another.</li> <li>• Open the Pages app.</li> <li>• Properly insert templates, text, photos, shapes, drawings, audio, page layouts and smart annotations.</li> </ul>	Ongoing