

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

**Course:** Computer K

**Grade Level:** Kindergarten

**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. The use of iPad tools fosters digital literacy and promotes active learning.

### **Essential Questions:**

8. What are some examples of input and output devices used to navigate, stay organized, and troubleshoot technology?
9. How can you take ownership of your actions when using digital tools?
10. What strategies can you use to stay safe, be responsible, and be kind online?
11. Why should you learn how to use the keyboard quickly and efficiently?
12. How can you use coding to better understand technology?
13. How can you use the computer to help you learn, create, and discover new things?
14. 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, Kodable, 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, 8	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, 8	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>Identify the mouse as an input device.</li> <li>Name and describe parts of the computer including mouse, screen, keyboard, headphones, and iPad.</li> <li>Use simple troubleshooting strategies when problems occur including closing and reopening, plugging in headphones, adjusting volume, maximize and minimize.</li> <li>Log in using username and password.</li> </ul>	Ongoing
2, 3, 9, 10	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>Learn why it's important to be aware and respectful of people while using devices.</li> <li>Know when and why to take breaks from a device.</li> <li>Consider the feelings of people around you, even when engaged in fun online activities.</li> </ul>	Ongoing
4, 6, 11, 13	15.4.2.D	<ul style="list-style-type: none"> <li>Locate letters and numbers on the keyboard independently.</li> <li>Use keyboard as an input device to communicate to the computer.</li> </ul>	Ongoing
5, 12	1.A.AP.08 1.A.AP.09 1.A.AP.10 1.A.AP.11 1.A.AP.12 1.A.AP.14 1.A.AP.15	<ul style="list-style-type: none"> <li>Properly sequence step-by-step instructions for small tasks to more complex tasks.</li> <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> <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>Define coding, sequencing, loops and bugs.</li> </ul>	Ongoing
7, 14	15.4.2.G 15.6.2.L	<ul style="list-style-type: none"> <li>Properly turn the iPad on and off, unlock the iPad and use the home button.</li> <li>Understand how to navigate the home screen, swipe between screens and switch between apps.</li> </ul>	Ongoing

		<ul style="list-style-type: none"><li>• Properly adjust the volume and use the zoom feature.</li><li>• Log in to Clever via QR code.</li></ul>	
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