

## **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, organize and troubleshoot technology.
2. Digital citizenship skills are essential for engaging in cyber communities and making informed, responsible choices online.
3. Keyboarding skills are essential as a primary tool for communication.
4. Coding develops skills in math, problem solving, communication and creativity.
5. Creating documents is crucial for success in 21<sup>st</sup> century careers.
6. iPads are a tool used to learn, create and discover new things.

### **Essential Questions:**

7. How do input and output devices work together to make a computer system?
8. What strategies can you use to stay safe, be responsible, and be kind online?
9. Why should you learn how to use the keyboard quickly and efficiently?
10. How can you use coding to better understand technology?
11. How can documents help you convey your thoughts and ideas effectively?
12. How can you use the iPad to help you learn, create, and discover new things?

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

Promethean Board, iPads, Clever, Common Sense Education, NetSmartzKids  
TypeTastic, Typing.com, Code.org, Scratch Jr., Apple Suite, 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, 7, 6, 12	1A.CS.02 1A.CS.03 15.4.2.A 15.4.2.B 15.4.2.C 15.4.2.D	<ul style="list-style-type: none"> <li>Name and describe parts of the computer including mouse, keyboard, monitor, CPU, headphones and printer.</li> <li>Identify the parts as either input or output.</li> <li>Learn the difference between a desktop computer and laptop.</li> <li>Describe computer problems using correct part names.</li> </ul>	Ongoing
2, 8, 6, 12	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
3, 9, 6, 12	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>Demonstrate correct typing posture, proper finger placement and reaches, and maintain focus on the screen while typing.</li> </ul>	Ongoing
4, 10, 6, 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 write sequenced algorithms using arrows to represent directions.</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>Identify actions that correlate to input events.</li> <li>Define coding, sequencing, loops, bugs and events.</li> </ul>	Ongoing

5, 11, 6, 12	1A.CS.01 15.4.2.G 15.4.2.K	<ul style="list-style-type: none"><li>• Accurately type and format text using Pages.</li><li>• Create and customize bulleted and numbered lists in Pages.</li><li>• Insert and format images and shapes in Pages.</li><li>• Create and format tables in Pages.</li></ul>	Ongoing
--------------	----------------------------------	--	---------