

Moon Area School District Curriculum Map

Course: Computer 2

Grade Level: 2nd 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 21st century career success.
8. Enhance creativity and productivity on iPads by seamlessly integrating Pages and Keynote to create dynamic projects.
9. Assessment tools on the iPad can be used to assist teachers in cross-curricular areas to enhance student performance.

Essential Questions:

10. What input and output devices are used to navigate, stay organized, and troubleshoot technology?
11. How can you take ownership of your actions when using digital tools?
12. What strategies can you use to stay safe, be responsible, and be kind online?
13. Why should you learn how to use the keyboard quickly and efficiently?
14. How can you use coding to better understand technology?
15. How can you use the computer to help you learn, create, and discover new things?
16. How can you use documents and presentations to convey your thoughts and ideas?
17. How can Pages and Keynote on iPads transform the way we create, communicate and present information?
18. How can assessment tools on an iPad be used to enhance students' understanding and engagement in a second-grade classroom?

Primary Resource(s) & Technology:

Promethean Board, Computers, iPads, Clever, Typing.com, Code.org, Scratch, Common Sense Education, Office 365

Pennsylvania and/or focus standards referenced at:

www.pdesas.org
www.education.pa.gov

Big Ideas/EQs	Focus Standard(s)	Assessed Competencies (Key Content and Skills)	Timeline
1, 10	15.4.2.C 15.4.2.D	<ul style="list-style-type: none"> • Utilize fine motor skills to complete basic mouse functions focusing on right click, copy, paste, cut and undo. 	Ongoing
1, 10	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"> • Determine and explain which parts of the computer are input and output devices and why. • Describe computer problems using correct part names. • 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 and refresh. • Log in using username and password. 	Ongoing
2, 3, 11, 12	1A.NI.04 15.4.2.L	<ul style="list-style-type: none"> • Recognize the kind of information that is private. • Understand that they should never give out private information online. • Learn that the information they share online leaves a digital footprint or "trail". • Explore what information is OK to be shared online. • Understand what online meanness can look like and how it can make people feel • Identify ways to respond to mean words online, using S-T-O-P. 	Ongoing
4, 6, 13, 15	15.4.2.D	<ul style="list-style-type: none"> • Locate letters and numbers on the keyboard independently. • Use keyboard as an input device to communicate to the computer. • Utilize home row finger placement to type middle row letters, enter, shift, space bar and backspace. • Type school email independently. 	Ongoing
5, 14	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"> • Properly write sequenced algorithms using arrows to represent directions. • Students develop a programming plan to be used to check if the program is correct. • Identify patterns in a sequence and use them to create coding loops. • Persevere through coding bugs by changing the sequence, following algorithm step-by-step, or trial and error to fix problems. 	Ongoing

		<ul style="list-style-type: none"> • Identify actions that correlate to input events. • Define coding, sequencing, loops, bugs and events. 	
6, 7, 15, 16	15.4.2.G 15.4.2.K 15.6.2.L	<ul style="list-style-type: none"> • Log in to Office 365 and open a Word document. • Properly change font, style, size, color, and alignment. • Log in to Office 365 and open a PowerPoint document. • Properly insert text box, photos, theme/design, presentation mode, and add a slide. 	Ongoing
7, 8, 16, 17	15.4.2.G 15.4.2.K 15.6.2.L	<ul style="list-style-type: none"> • Open the Pages app. • Properly insert templates, text, photos, shapes, drawings, audio, page layouts and smart annotations. • Open the Keynote app. • Properly insert slides, photos, shapes, drawings, tables, charts, animation, and videos. 	Ongoing
9, 18	15.4.2.D 15.4.2.G 15.6.2.L	<ul style="list-style-type: none"> • Properly use assessment tools. • Accurately type sentences. 	Ongoing