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, 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 and presentations is crucial for success in 21st 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 and presentations 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, Be Internet Awesome, Typing.com, Type Tastic, Code.org, Scratch, Apple Suite, 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, 7, 6, 12	1A.CS.02 1A.CS.03 15.4.2.A 15.4.2.C 15.4.2.D 15.4.2.M	• Determine and explain which parts of the computer are input and output devices and why. • Describe computer problems using correct part names.	Ongoing
2, 8, 6, 12	1A.NI.04 15.4.2.L	• 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
3, 9, 6, 12	15.4.2.D	• 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. • Demonstrate correct typing posture, proper finger placement and reaches, and maintain focus on the screen while typing.	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	• 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

		• Identify actions that correlate to input events. • Define coding, sequencing, loops, bugs and events.	
5, 11, 6, 12	15.4.2.G 15.4.2.K 15.6.2.L	• Create a slideshow presentation in Keynote that includes text. • Insert and format images and shapes in Keynote. • Apply animations and transitions in Keynote. • Select and use a design option, theme or background in Keynote.	Ongoing
5, 11, 6, 12	15.4.2.G 15.4.2.K 15.6.2.L	• Accurately type and format text in Word. • Create and customize bulleted and numbered lists in Word. • Insert and format images and shapes in Word. • Create and format tables in Word.	Ongoing