Impacts of Computing

Standard	Subject Integration	Activity Description	Notes
IC.1	Knowledge	Can discuss how technology has changed a lot from the events we learn about (War of 1812, Civil War, Western Expansion) especially with communication, they weren't able to go on the internet or write emails	
IC.2		When given free time on the chrome books, they are not able to get on all the things that they are able to at home. There are different rules for home use and classroom use.	
IC.3	Knowledge	Discuss how technology would have helped during some events learned in Knowledge (for example in the Civil War, soldiers continued to fight, even though the Peace Treaty was signed but it took a long time to get the new), how would this be different with technology today	
IC.4	Technology	Can discuss why we use Google Classroom for sharing and not other platforms	

Computational Thinking

Standard	Subject Integration	Activity Description	Notes
CT.2	Math	Students can graph their fluency data to see their progress	

		over time	
CT.3	Math	Tie in technology when we do graphing in Module #7, show examples of different charts using technology	
CT. 4	Math	Students can break apart a multi-step math problem into the steps and solve	
CT. 5	Anytime	Students can be given a room number and deliver an item	
CT. 6	ELA	Students can write an informational paragraph teaching the steps how to do something	
CT. 7	Science	Label the parts of an insect	
CT. 8	PE or Music	Students can create a routine/Dance using an algorithm	
CT. 9	Math	Identify errors in pre completed work	

Networks & System Design

Standard	Subject Integration	Activity Description	Notes
NSD.1		Chromebooks have touch screens, microphones, and keyboard for students to explore,	
NSD.2		Students use different apps in technology and then carry some over in the classroom	
NSD.3		Students are encouraged to troubleshoot while using chromebooks, giving them the experience to figure out how to fix the issue	

NSD.4		Students learn that the Pony Express was not run long because the invention of the telegraph- more could be explored about how they work	

Cybersecurity

Standard	Subject Integration	Activity Description	Notes
	Technology		These things are easier taught when the students are introduced to new apps or websites. Cyber security should be a big focus while at technology and on their chromebooks

Digital Literacy

Standard	Subject Integration	Activity Description	Notes
DL.1		Typewriting club- practice typing	-with time restraints, we do not type of students' writings -we also want students to have more experiences with writing their final copies (perhaps after a writing is completed in class, the students could type it during their technology time)

Grade 2   CS & DF Standards   CS Resource Activity Books

DL.2			Some students have learned they can communicate with one another on the Google Classroom home page
DL.3	Skills	We talk about the glossary in our War of 1812 reader- this could be connected to searching for keywords about a topic	
DL.4	Skills, Knowledge, Math	Students could use Book Creator during tech time to show their learning in a content area	