Fifth Grade Technology Class

Unit:	**Keyboarding**
Big Ideas:	**Learning the location of keys on the keyboard/ homerow hand placement/ typing posture**
Unit Essential Questions:	**How can I learn to use the keyboard to touch type efficiently? How can learning to type without looking for the keys help you be more efficient?**

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Mini-Lessons/Activities	Instructional Materials	Assessments
3 full classes and then each class period at least 15 minutes before other instruction	CC.1.4.5U With some guidance and support, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting.	*Homerow *Technique *Posture	*What is the significance of technology and keyboarding for your future? *Why are the keyboard keys in that order? *What is the proper keyboarding posture? *How do you arrange the workstation to make typing easier?	*Keyboard layout youtube video (link on my site) *Keyboard posture review *Typing club *Typing activities on my website *Spelling words	*Link to video on keyboard layout (2 min. video) *Typing posture review *Typing club accounts *Spelling lists for fifth grade	*Teacher observation of finger placement *Typing club lessons

Unit:	**Review of Google Docs/ Organizing files in your Drive using folders/ NEW: Take a screenshot**
Big Ideas:	**Review: Demonstrating the basics of Google Docs using an icebreaker activity/Organizing the Google Drive/ NEW: Taking a screenshot of your computer screen to use in another program.**
Unit Essential Questions:	**How do you perform basic tasks using Google Docs? NEW: How do I take a screenshot of my screen? How can I use that screenshot in another program?**

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Mini-Lessons/Activities	Instructional Materials	Assessments
3-4 classes for review activity	15.3.5 M: Apply proper etiquette while using technology. 15.4.5.G: Create a digital project using appropriate software/application for an intended task	*Google Docs *Waffle *Google Drive *Folder *Tabs *Specific buttons in Google Docs *Screenshot	*How do I find my Google account including the waffle and Drive? *What is your Google Drive? *How do I organize my Google Drive using folders? *What is a Google Doc? *H**ow** do I take a screenshot of my screen? How can I use that screenshot in another program?	*Finding and organizing your Google Drive *Opening a Google doc *Using the major tasks in Google doc (formatting text, images, alignment, shapes)	*All About Me Poster	*All About Me Poster

Unit:	**Internet Safety/ Power of Words/ Digital Footprints Cyberbullying**

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Big Idea:	**Staying safe online and having a positive digital footprint.**
Unit Essential Questions:	**What is the importance of keeping your personal information safe in virtual spaces? What should you do when someone uses mean language on the Internet? What is a digital footprint? What is cyberbullying?**

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Mini-Lessons/Activities	Instructional Materials	Assessments
2 classes and then 1-2 classes for project	15.3.5.M: Apply proper etiquette when using technology 15.3.5.T: Explain the importance of digital citizenship 15.4.5.B: Identify and demonstrate understanding of ethical, safe, and social online behavior and potential consequences of unethical, unsafe, and inappropriate behavior 15.6.5.M: Discuss potential consequences of disclosing personal information	*Internet safety *Cyberbullying	*What should I do if I encounter a danger online? *What should I do when someone is mean online? *What is a digital footprint and why should I keep my footprint clean and positive?	*The Technology Tail book *The power of Words Lesson *Safekeeping personal information lesson Cyberbullying lesson	*The Technology Tail book *The power of Words Lesson *Safekeeping personal information lesson Cyberbullying lesson	*Poster (in groups of 2-3) on safety or keeping personal information safe

Unit:	**Creating a Google Form**
Big Idea:	**Creating and customizing a Google Form. Sending a Google form to others. Viewing and organizing responses from the Google Form.**
Unit Essential Questions:	**How can you collect data in an efficient manner?**

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Mini-Lessons/Activities	Instructional Materials	Assessments
3 classes	15.3.5 M: Apply proper etiquette while using technology. 15.4.5.G: Create a digital project using appropriate software/application for an intended task	*Google Form	*How do you create and customize a Google Form? *What are the options to send a Google Form? *What are the options for viewing responses to a form?	*Google forms	*Creating a Google form	*Google form send to classmates

Unit:	**Introduction to Google Slides/ Restoring a window/ Presenting a slideshow (if time)**
Big Idea:	**Creating a simple presentation. Restoring windows to see more than one window at a time. Review: Maximize and minimize (review)/ multiple tabs. Typing a web address correctly.**

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Unit Essential Questions:	**What is Google Slides and what is it used for? How can I create a simple slideshow with design and transitions? How can I restore a window to see multiple pages at once?**

Concept & Pacing	**New Emphasis (Pa Core Standard)**	**Key Vocabulary**	**Essential Questions**	**Mini-Lessons/Activities**	**Instructional Materials**	**Assessments**
1 class of review then 3 classes for the project (presentations if time)	15.3.5 M: Apply proper etiquette while using technology. 15.4.5.G: Create a digital project using appropriate software/application for an intended task 15.4.2.L: With help and support, use web browser to locate content specific websites. 15.3.5.H: Present information as an individual or small group	*Google Slides *Slide *Textbox *Bullets *Slide design *Slide layout *Alignment *Transition *Visual literacy	*How can I restore a window to see multiple pages at once? *What is Google slides? *How do I create a simple presentation? *How do I: -change the theme, font and color scheme -add slides -use text boxes -add bullets -add transitions -add pictures (picture quality and sizing) -create a visually appealing presentation	*Google Slides demonstration with students (design, new slides, bullets, etc) *create/demonstrate a short project together to review *creating a slideshow that is visually appealing to the audience	*Google slides *Project	*Slides project

Unit:	**Creating a table in Google Docs**
Big Idea:	**Creating and formatting a table in Google Docs.**
Unit Essential Questions:	**What is a table? How do you create and format tables in Google Docs?**

Concept & Pacing	**New Emphasis (Pa Core Standard)**	**Key Vocabulary**	**Essential Questions**	**Mini-Lessons/Activities**	**Instructional Materials**	**Assessments**
2-3 classes on lesson then a few classes for project	15.3.5 M: Apply proper etiquette while using technology. 15.4.5.G: Create a digital project using appropriate software/application for an intended task 15.4.2.L: With help and support, use web browser to locate content specific websites.	*Tables *Alignment *Rows *columns	*How do you create a table in Google Docs? *How do you insert rows/columns? *How do you delete rows/columns? *How do you format a table?	*Table Lesson	*Table projects -Kindness Table -Either Comic strip or others	*Table project options

Unit:	**Coding**
Big Idea:	**Identify and fix errors in a computer program to ensure it runs as intended. Create programs that include loops. Demonstrate block coding.**

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Unit Essential Questions:	**What is computer coding and how does it apply to computers, games, apps, and technology? How do you code using blocks?**					
Concept & Pacing	**New Emphasis (Pa Core Standard)**	**Key Vocabulary**	**Essential Questions**	**Mini-Lessons/Activities**	**Instructional Materials**	**Assessments**
2-3 classes	15.3.5 M: Apply proper etiquette while using technology. 1B-AP-15: Test and debug a program to ensure it runs as intended 1B-AP-10: Create programs that include sequences, events and loops 1B-AP-11: Break down problems into smaller, manageable subproblems to facilitate the program development process.	*Coding *Algorithm *Debug *Block coding *Loops	*How do you code using block coding? *What is an algorithm? *How can you test a program to see if it runs correctly? *What is a loop?	*Coding video on code.org	*Demo of lessons assigned in code.org accounts *Code.org *Other code programs	