Third 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 me go faster?**

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Mini-Lessons/Activities	Instructional Materials	Assessments
5 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 PPT (in my files) *Typing club *Typing activities on my website *Spelling words (as we learn more of the keyboard)	*Link to video on keyboard layout (2 min. video) *Typing posture PPT *Typing club accounts *Spelling lists for third grade	*Teacher observation of finger placement

Unit:	**Google Docs**
Big Ideas:	**Demonstrating the basics of Google Docs including formatting text, inserting shapes and formatting. Spelling/grammar check. Making a copy of a shared Google Doc.**
Unit Essential Questions:	**What do the different text format buttons do in Google docs? How do you format using the font section? What is spell check and how do you use it to find and fix mistakes? How do you insert and format shapes?**

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. 15.4.5.G: Create a digital project using appropriate software/application for an intended task	*Google docs *Font, bold, underline, italics, highlight, alignment	*How do I format text using Google docs? *How can you find and fix spelling/grammar mistakes in Google Docs? *How do you insert and format shapes? *What does making a copy of a shared doc do?	*All about me file or third grade review file	*All about me project or third grade review file	*All about me project or third grade review file

Unit:	**Cut, copy and paste**
Big Idea:	**Cutting, copying and pasting words, shapes and images using the right button and also the keyboard shortcuts. Inserting an image in Google docs.**
Unit Essential Questions:	**What is the difference between cut and copy? How can using cut, copy, and paste help when working on files? How can I cut, copy and paste words using both the right button and also the keyboard shortcuts? How can I cut, copy and paste shapes and images using both the right button and keyboard shortcuts?**

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1 class	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	*Cut *Copy *Paste *Right click *Image	*How can I find and insert an image? *How can I use cut, copy and paste to help when working in files? *How can I cut, copy and paste using both the right button and also	*Cut, copy and paste files	*Cut, copy and paste files	*Teacher observation
Unit:	**Creating a numbered or bulleted list/ alignment/insert an image**					
Big Idea:	**Creating and formatting a list in Google Docs. Aligning text in a document. Customize bullets. Insert an image.**					
Unit Essential Questions:	**What is a list? How do you create lists, using both numbers and bullets? How do I center or left align text? How do I insert and format an image?**					
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	*Numbered List *Bulleted List *Alignment (left align, center)	*How do you create a list using the numbering and bullets feature? *How do you customize a list with symbol bullets? *How do you use the increase and decrease indent button? *How do you align text in a document? How do you insert an image?	*List Lesson	*List project choices	* List project choices *Positive thoughts list
Unit:	**Introduction to Google Slides/ Restoring a window**					
Big Idea:	**Creating a simple presentation. Restoring windows to see more than one window at a time.**					
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**

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3-4 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 15.4.2.L: With help and support, use web browser to locate content specific websites.	*Google slides *Slide *Textbox *Bullets *Slide design *Slide layout *Alignment *Transition	*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)	*Google slides demonstration with students (design, new slides, bullets, etc) *create/demonstrate a short project together to explore	*Google slides *Project (Amazing animals or another choice) --Intro for your teacher next year --All about you	*Slides project

Unit:	**Internet Safety/ Powerful Passwords**
Big Idea:	**Understanding the possible dangers on the Internet. Treating others with respect online. Setting powerful passwords.**
Unit Essential Questions:	**How can I stay safe on the Internet? What types of people do I need to look out for online? (WizzyWigs) What can you do when someone is mean to you online? (Screen out the mean lesson) Why is it important to set strong passwords? (Lesson)**

Concept & Pacing	New Emphasis (Pa Core Standard)	Key Vocabulary	Essential Questions	Mini-Lessons/Activities	Instructional Materials	Assessments
2 classes	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	*How can I stay safe when I am online? *What types of dangers are there online? *What should I do if I encounter a danger online? *What should I do when someone is mean online? *Why are strong passwords important?	*Wizzy wigs video and lesson -safety comic strip *Powerful passwords lesson *Screen out the mean lesson	*Wizzy wigs video and lesson -safety comic strip *Powerful passwords lesson *Screen out the mean lesson	*safety comic strip (if time)

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.**
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

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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	