Elementary Computer Science
Curriculum Map

Kindergarten
Curriculum Mapping
2019-2020

<table>
<tr><td colspan="2">Unit: Introduction to I-Pad</td><td>Time: August/September2019</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• K.ET.DC.1.1 Show respect for the work of others.
• K.ET.DC.1.2 Identify ways to respect equipment.
• K.ET.DC.1.4 Define respect for self and others
• 1.ET.CT.1.1 Identify technologies used in home and/or school
• K.ET.OC.3.1 Implement grade-level appropriate vocabulary.
• K.ET.OC.3.4 Recognize letters and numbers on a keyboard</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.</td><td>One 30-minute class period per week.
The classroom is set with I-pads on tables. This is a one to one setting with a maximum of 4 students to a table. Projection system for classroom instruction.</td><td>To practice the various skills students will:
• Open/closed I-Pads appropriately (not necessarily how they do at home)
• Find the correct icon to open the correct app
• Practice finding letters on the keyboard with age appropriate apps</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>• Students need to know how shared equipment is different from personal equipment.</td><td>• Icon
• Open/close apps
• Screen
• Double click
• Swipe
• Apps</td><td>Assessment is conducted throughout the class period as teacher observation.</td></tr>
<tr><td></td><td colspan="2">Essential Questions</td></tr>
</table>

	• What is the difference between home and school I-pads? • How can I show respect for someone else's device? • Why is it important to know the keys and their location on the keyboard?

Unit: Letters and numbers on the keyboard; Sight word recognition Number (0-20) recognition	**Time:** October, November, December 2019

Standards Taught

- K.ET.DC.1.1 Show respect for the work of others.
- K.ET.DC.1.2 Identify ways to respect equipment.
- K.ET.DC.1.4 Define respect for self and others
- K.ET.OC.3.1 Implement grade-level appropriate vocabulary.
- K.ET.OC.3.4 Recognize letters and numbers on a keyboard
- K.RF.3 Know and apply grade-level phonics and word analysis skills in decoding words. Read grade-level appropriate high-frequency words by sight.
- K.CC.A.2 Know number names and the count sequence. Count forward beginning from any given number within 100 (instead of having to begin at 1).
- K.ET.RL.2.1 Distinguish between real and make believe.
- K.ET.OC.3.2 Identify and categorize input/output devices to operate various technologies

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.	One 30-minute class period per week. *The classroom is set with I-pads on tables. This is a one to one setting with a maximum of 4 students to a table.*	*To practice the various skills students will:* • Continue correct physical use of I-pads • Show respect for classmates and equipment by keeping hands to self. • Practice finding letters on the keyboard using age appropriate apps. • Open/close apps using icons and appropriate shut down procedures • Practice number/sight word recognition through age appropriate apps. • Practice the on-line game Kahoot using teacher computer/projector and individual I-Pads • Show respect for classmates and equipment by keeping hands to self. • Recognize pictures on the I-Pads as either real or make believe. • Enter game pin and user name

Relevance	Vocabulary	Assessments
• Knowing where letters are located on the keyboard is essential to basic technology use. • Knowing how to use user names and pin numbers are a major part of technology. • Knowing how to change settings in apps is basic to manipulating apps to best fit individual needs.	• Icon • Screen • Double click • Swipe • Apps • Sight words • Settings • Game Pin • User Name • Number sequence	Assessment is conducted throughout the class period as teacher observation.
	Essential Questions: • How can I show respect for someone else's device? • Why is it important to know the keys and their location on the keyboard? • Why is it important to learn sight words? • Why is it important to know number sequence? • How can I differentiate between real and make believe? • What is the importance of a user name and pin #? • Why is it important to know how to change the settings in an app? • How can I differentiate between real and make believe?	

Unit: Review letter recognition. New sight word recognition. Number (1-50) sequence. Use keyboard to type name & sight words.	**Time:** January, February, March 2020

Standards Taught

- K.ET.OC.3.2 Identify and categorize input/output devices to operate various technologies
- K.ET.OC.3.1 Implement grade-level appropriate vocabulary.
- K.ET.OC.3.4 Recognize letters and numbers on a keyboard
- K.RF.3 Know and apply grade-level phonics and word analysis skills in decoding words. Read grade-level appropriate high-frequency words by sight.
- K.CC.A.2 Know number names and the count sequence. Count forward beginning from any given number within 100 (instead of having to begin at 1).

<table>
<tr><td colspan="3">

- K.ET.CT.3.1 Recognize technology as a tool to help complete a task.
- K.RF.1 Demonstrate understanding of the organization and basic features of print. Words are separated by spaces.
- K.W.6 With guidance and support, individually and collaboratively explore a variety of digital tools to produce and publish writing.

</td></tr>
<tr><th>Differentiation:</th><th>Classroom Management and Environment:</th><th>What will the students be doing?</th></tr>
<tr><td>Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.</td><td>One 30-minute class period per week.
The classroom is set with I-pads on tables. This is a one to one setting with a maximum of 4 students to a table. Projection system for classroom instruction.</td><td>To practice the various skills students will:
• Show respect for classmates and equipment by keeping hands to self.
• Practice finding letters on the keyboard using age appropriate apps.
• Open/close apps using icons and appropriate shut down procedures
• Practice number/sight word recognition through age appropriate apps.
• Type name and sight words using the keyboard
• Change settings on an app to fit individual needs.
• Use an online game to assess skills
• Use game pin and user name</td></tr>
<tr><td>Relevance
• Knowing where letters are located on the keyboard is essential to basic technology use.
• Knowing how to use the letters on the keyboard to form words is essential to basic technology use.
• Knowing the importance of connecting words into sentences is essential for reading and writing.</td><td>Vocabulary
• Double click
• Swipe
• Sight words
• Settings
• Number sequence
• Notes app on I-Pad
• Type
• Cursor
• Game pin
• User name</td><td>Assessment is conducted throughout the class period as teacher observation.</td></tr>
</table>

	Essential Questions: • How can I show respect for someone else's device? • Why is it important to know the keys and their location on the keyboard? • Why is it important to learn sight words? • Why is it important to know number sequence? • How can I use the keyboard to type words? • How can I change the settings in an app? • How can I use an online game to assess skills? • How can I change the settings in an app? • How can I use the keyboard to type words and sentences?

Unit: New sight word recognition. Number (1-100) sequence. Use keyboard to type name & sight words and transition to short sentences from reading stories. Use keyboard to make a list of rhyming words.	**Time:** April, May 2020

Standards Taught

- K.RF.3 Know and apply grade-level phonics and word analysis skills in decoding words. Read grade-level appropriate high-frequency words by sight.
- K.CC.A.2 Know number names and the count sequence. Count forward beginning from any given number within 100 (instead of having to begin at 1).
- K.ET.CT.3.1 Recognize technology as a tool to help complete a task.
- K.RF.1 Demonstrate understanding of the organization and basic features of print. Words are separated by spaces.
- K.W.6 With guidance and support, individually and collaboratively explore a variety of digital tools to produce and publish writing.
- K.L.5 With prompting and support, explore word relationships and subtle differences in word meanings.

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.	One 30-minute class period per week. The classroom is set with I-pads on tables. This is a one to one setting with a maximum of 4 students to a table. Projection system for	To practice the various skills students will: • Show respect for classmates and equipment by keeping hands to self. • Increase fluency of finding letters on the keyboard using age appropriate apps. • Open/close apps using icons and appropriate shut down procedures

	classroom instruction.	• Practice number/sight word recognition through age appropriate apps. • Type name, sight words, and rhyming words using the keyboard. • Change settings on an app to fit individual needs. • Use an online game to assess skills. • Use game pin and user name. • Type sentences using spaces between words.
Relevance	**Vocabulary**	**Assessments**
• Knowing how to use the letters on the keyboard to form words is essential to basic technology use. • Knowing the importance of connecting words into sentences is essential for reading and writing. • Knowing number sequencing is essential for understanding number sense • Knowing rhyming words helps make connections to new words.	• Sight words • Settings • Number sequence • Notes app on I-Pad • Type • Game pin • User name • Online game • Rhyming • Cursor	Assessment is conducted throughout the class period as teacher observation.
	Essential Questions: • Why is it important to know the keys and their location on the keyboard? • Why is it important to learn sight words? • Why is it important to know number sequence? • How can I use an online game to assess skills? • How can I use the keyboard to type words and sentences? • How can I change the settings in an app? • Why are rhyming words important?	

First Grade
Curriculum Mapping
2019-2020

<table>
<tr><td colspan="2">Unit: Correct handling of I-Pad; Letters and numbers on the keyboard; Use appropriate app for particular skill</td><td>Time: August/September/ October/November/December</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 1.ET.CT.1.1 Identify technologies used in home and/or school
• 1.ET.CT.3.1 Describe technology tools and their uses.
• 1.ET.DC.1.2 Identify safe technology behaviors.
• 1.ET.DC.1.4 Demonstrate respect for others
• 1.ET.OC.2.1 Identify components in technological systems
• 1.ET.OC.3.1 Implement grade-level appropriate technology vocabulary.
• 1.ET.OC.3.4 Use proper finger placement on home row keys.</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.</td><td>One 30-minute class period per week. The classroom is set with I-pads on tables. This is a one to one setting with a maximum of 4 students to a table. Projection system for classroom instruction.</td><td>To practice the various skills students will:
• Open/closed I-Pads appropriately (not necessarily how they do at home)
• Practice letters without using thumbs
• Show respect for classmates and equipment by keeping hands to self.
• Practice finding letters on the keyboard using age appropriate apps.
• Open/close apps using icons and appropriate shut down procedures
• Practice number/sight word recognition through age appropriate apps.
• Practice basic keyboarding skills in the Notes app on an I-Pad
• Practice the on-line game Kahoot using teacher computer/projector and individual I-Pads
• Practice using the right hand for right hand keys and the left hand for left hand keys using a split keyboard.</td></tr>
</table>

Relevance	Vocabulary	Assessments
• Knowing where letters are located on the keyboard is essential to basic technology use. • Knowing how to use user names and pin numbers are a major part of technology. • Knowing how to change settings in apps is basic to manipulating apps to best fit individual needs. • Knowing how shared equipment is different from personal equipment is important knowledge. • Using both hands is essential to successful keyboarding.	• Apps • Icon • Cursor • Keyboard • Space bar • Shift key • Double click • Swipe • Sight words • Settings • Game pin • User name • Number sequence	Assessment is conducted throughout the class period as teacher observation. Recording number of letters successfully keyed using age appropriate apps. Recording number of times students can key their name in a minute. Recording the number of times students can key the ABC's in 3 minutes.
	Essential Questions: • How can I show respect for someone else's device? • Why is it important to know the keys and their location on the keyboard? • Why is it important to learn sight words? • Why is it important to know number sequence? • What is the importance of a user name and pin #? • Why is it important to know how to change the settings in an app? • Why is it important to use both hands in keyboarding?	

Unit: Increase speed and fluency. Reach goals set for fluency. Transition from letter fluency to whole word fluency when keyboarding. Use technology to assess skills. Use appropriate app for particular skill. Use technology to share information. Use technology to research a given topic. Cite sources.	**Time:** January, February, March, April, May

Standards Taught		
• 1.ET.DC.1.2 Identify safe technology behaviors. • 1.ET.DC.1.4 Demonstrate respect for others • 1.ET.OC.2.1 Identify components in technological systems • 1.ET.OC.3.1 Implement grade-level appropriate technology vocabulary. • 1.ET.OC.3.4 Use proper finger placement on home row keys. • 1.ET.RL.1.1 Identify where information can be found. • 1.ET.RL.2.1 Distinguish between fact and opinion • 1.ET.CT.1.1 Identify technologies used in home and/or school. • 1.ET.CT.2.1 Use a design process to solve problems • 1.ET.DC.1.1 Identify ownership rights of student created work. • 1.ET.OC.3.2 Use input/output devices to operate • 1.ET.OC.3.3 Use basic file management. (Open, edit, save, print) • 1.ET.CI.1.1 Illustrate original ideas through the use of teacher-selected media. • 1.ET.CC.2.1 Collaborate with others to complete a teacher-directed task.		
Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.	One 30-minute class period per week. The classroom is set with I-pads on tables. This is a one to one setting with a maximum of 4 students to a table. Projection system for classroom instruction.	To practice the various skills students will: • Practice letters without using thumbs • Show respect for classmates and equipment by keeping hands to self. • Practice keying letters on the keyboard using age appropriate apps • Practice basic keyboarding skills in the Notes app on an I-Pad • Practice using the right hand for right hand keys and the left hand for left hand keys using a split keyboard. • Practice whole word fluency with appropriate apps and word challenges in Notes. • Collaborate with reading buddies to create a book about a season on an app such as Book Creator. • Communicate with parents via online apps such as See-Saw.

		• Research a topic using websites, books, and textbooks. Cite source used. • Assess skills using online tools such as Accelerated Reader and Kahoot.
Relevance	**Vocabulary**	**Assessments**
• Knowing where letters are located on the keyboard is essential to basic technology use. • Knowing how to change settings in apps is basic to manipulating apps to best fit individual needs. • Using both hands is essential to successful keyboarding. • Communication using technology is essential in the 21st century. • Using tools in the toolbar of a program/app are necessary for optimum benefit of a program. • Citing evidence is a critical part of research. • Researching several sources is key to finding best information about a topic. •	• Cursor • Research • Cite evidence • Fluency/speed • Communicate • Creativity/Create • Websites • Toolbar/tools	Assessment is conducted throughout the class period as teacher observation. Pictures/videos presented on See-Saw will be monitored. Finished product from Book Creator will be shared. Research questions and the answers will be assessed.
	Essential Questions: • How can I show respect for someone else's device? • Why is it important to know the keys and their location on the keyboard? • Why is it important to know how to change the settings in an app?	

	• Why is it important to use both hands in keyboarding? • How can I use the tools in the toolbar of an app? • Why is it important to cite evidence from various sources? • Why is it important to be able to communicate with modern technology? • How can I use programs/apps to create a finished product? • How can online apps/programs be used to assess skills?

Second Grade
Curriculum Mapping
2019-2020

<table>
<tr><td colspan="2">Unit: Computer basics; Introduction to Microsoft Word</td><td>Time: August/September</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 2.ET.CT.1.1 Identify technologies used in the home, school, and/or community
• 2.ET.DC.1.2 Apply appropriate and safe technology behaviors.
• 2.ET.OC.2.1 Define each component in a technological system.
• 2.ET.OC.3.1 Implement grade-level appropriate technology vocabulary.
• 2.ET.OC.3.4 Demonstrate use of proper finger placement on all letters and punctuation.
• 2.ET.OC.3.5 Construct 2-3 sentences or a paragraph using proper finger placement on all letters and punctuation.</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.
• Students who can’t use projection screen, paper copies are provided.
• Assignment modifications are also provided when needed.</td><td>One 30-minute class period per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.</td><td>To practice the various skills students will:
• Learn log in/sign out procedures
• Properly shut down computers
• Open/close word processing program (Microsoft Word)
• Utilize computer related vocabulary
• Choose a given font/font size
• Practice using the shift key
• Use keyboard to type short sentences.
• Create and print a finished document with border</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>• Know proper procedure for power on/off a computer is necessary for the life of the computer.
• Knowing proper sign in/out procedures is</td><td>• Log on
• Tracking pad
• Monitor
• Desktop
• Keyboard
• Shift key
• User name
• Password</td><td>Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed.</td></tr>
</table>

necessary with shared computers. • Vocabulary knowledge is essential to operating a computer. • Proper use of a word processor is a basic computer skill. • Knowing basic computer commands is necessary for efficient use of computers. • Knowing how to create and print a document is an essential computer skill.	• Windows key • Word processor • Document • Toolbar • Tabs • Drop down menu • Font • Font size • Arrow/cursor • I-Beam • Right/left click • Control (CTRL) key/shortcuts • Save As/Save • Open document • Insert • Print • Shut down • Sign out	
	Essential Questions: • Why are two hands necessary for keyboarding? • Why is it important to sign in/out of shared computers? • Why is it important to know proper power on/off procedures? • Why is knowing computer vocabulary necessary? • Why is the importance of knowing how to use a word processor to create and print documents?	

Unit: Computer basics; Continue expanding use of Microsoft Word; introduction of internet assessments	**Time:** October, November, December
Standards Taught	
• 2.ET.CT.1.1 Identify technologies used in the home, school, and/or community • 2.ET.DC.1.2 Apply appropriate and safe technology behaviors. • 2.ET.OC.2.1 Define each component in a technological system. • 2.ET.OC.3.1 Implement grade-level appropriate technology vocabulary. • 2.ET.OC.3.2 Choose the appropriate input/output device to complete a given task • 2.ET.OC.3.3 Show how to retrieve a saved file • 2.ET.OC.3.4 Demonstrate use of proper finger placement on all letters and punctuation. • 2.ET.OC.3.5 Construct 2-3 sentences or a paragraph using proper finger placement on all letters and punctuation.	

• 2.ET.CT.2.1 Differentiate among given alternatives to solve a problem. • 2.ET.CI.1.1 Illustrate original ideas through the use of a variety of media. • 2.ET.CC.1.1 Communicate through the use of digital tools within the classroom.		
Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help. • Students who can't use projection screen, paper copies are provided. • Assignment modifications are also provided when needed	One 30-minute class period per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.	To practice the various skills students will: • Utilize computer related vocabulary • Choose a given font/font size • Practice using the shift key • Use keyboard to type short sentences. • Retrieve saved files • Create and print a finished document with border • Choose/change fonts for given task • Correct errors efficiently • Illustrate work by inserting pictures • Communicate with parents using teacher selected apps • Kahoot quizzes to assess material • Accelerated Reader to assess comprehension skills
Relevance	**Vocabulary**	**Assessments**
• Proper use of a word processor is a basic computer skill. • Knowing basic computer commands is necessary for efficient use of computers. • Knowing how to create and print a document is an essential computer skill. • Communication through various multimedia technology is important. • Being comfortable taking online assessments is	In addition to previous vocabulary: • Communication • Illustrate • Errors/corrections • Borders • Eye appeal • Search Engine • Assessments	Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed.

essential to academic success.		
	Essential Questions: • Why are two hands necessary for keyboarding? • Why is it important to sign in/out of shared computers? • Why is it important to know proper power on/off procedures? • Why is knowing computer vocabulary necessary? • What is the importance of knowing how to use a word processor to create and print documents? • What is the importance of knowing how to communicate through multimedia apps? • Why is being comfortable taking online assessments important to academic success.	

Unit: : Computer basics; Continue expanding use of Microsoft Word; introduction of internet assessments; introduction to search engines and online research	**Time:** January, February, March, April, May 2020

Standards Taught

- 2.ET.OC.3.5 Construct 2-3 sentences or a paragraph using proper finger placement on all letters and punctuation.
- 2.ET.CI.1.1 Illustrate original ideas through the use of a variety of media.
- 2.ET.CC.1.1 Communicate through the use of digital tools within the classroom
- 2.ET.CC.2.1 Collaborate with others using technology tools.
- 2.ET.RL.1.1 Collect information using several teacher selected sources.
- 2.ET.RL.1.2 Identify author, date, and subject within different sources of information.
- 2.ET.RL.2.1 Distinguish between fiction and nonfiction
- 2.ET.CT.3.1 Identify an appropriate tool for a given task.
- 2.ET.DC.1.1 Interpret ownership rights of technology created work.
- .ET.DC.1.2 Apply appropriate and safe technology behaviors.
- 2.ET.DC.1.4 Demonstrate awareness of proper online behaviors.
- 2.ET.OC.1.1 Connect how technology has evolved from natural to human-made tools.
- 2.ET.OC.1.2 Investigate which technology tool is most effective to complete a given task.

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
• Students who needed the extra help received individual help from	One 30-minute class period per week.	To practice the various skills students will:

paraprofessionals assigned to them or teacher help. • Students who can't use projection screen, paper copies are provided. • Assignment modifications are also provided when needed	The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.	• Continue to create/ save/ print documents using Microsoft Word • Listen to fiction story then use internet to find facts about the same subject. • Use given internet sites to answer questions (web search) • Follow the Iditarod sled race on the internet. Choose a musher to follow through the race. Answer questions using the internet. • Find a given web site using the address bar • Collaborate with reading buddies to research a planet, create, illustrate, and print a 3 to 4 paragraph report
Relevance	**Vocabulary**	**Assessments**
• Knowing how to create and print a document is an essential computer skill. • Communication through various multimedia technology is important. • Being comfortable taking online assessments is essential to academic success. • Knowing how to use search engines is essential to internet research • Appropriate online behaviors are important for an acceptable digital footprint • Collaborating with others is important to finishing certain projects	In addition to previous vocabulary: • Search Engine • Address bar • Search bar • Online behavior • Fiction/nonfiction • Digital tools	Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed.
	Essential Questions: • What is the importance of knowing how to use a word processor to create and print documents?	

	• What is the importance of knowing how to communicate through multimedia apps? • Why is being comfortable taking online assessments important to academic success. • Why is knowing how to use a search engine important to conducting good research? • Why is knowing appropriate and safe technology behaviors essential? • Why is using more than 1 source important to good research? • What is the importance of creating a finished product by collaborating with others?

Third Grade
Curriculum Mapping
2019-2020

<table>
<tr><td colspan="2">Unit: Microsoft Word basics, Internet basics, mouse fluency, shortcut keys, key placement on keyboard</td><td>Time: August, September 2020</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 3.ET.RL.1.1 Search an existing database using a keyword or phrase.
• 3.ET.CT.1.1 Classify technology used in home, school, and/or community.
• 3.ET.CT.3.1 Use an appropriate technology tool for a given task.
• 3.ET.DC.1.2 Identify issues relating to online safety.
• 3.ET.OC.2 Students analyze the parts of a technological system.
• 3.ET.OC.3.1 Implement grade-level appropriate technology vocabulary.
• 3.ET.OC.3.2 Demonstrate proper use of hardware, software, peripherals, and storage media.
• 3.ET.OC.3.3 Create, save and retrieve folders and files.
• 3.ET.OC.3.4 Demonstrate the correct use of numbers, symbols, and command keys using proper techniques.</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.
• Students who can’t use projection screen, paper copies are provided.
• Assignment modifications are also provided when needed</td><td>• One 30-minute class period per week.
• The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table.
• Projection system is used for classroom instruction.</td><td>To practice the various skills students will:
• Create/save/retrieve/print word documents
• Use the school homepage and website to search a database (football/volleyball rosters)
• Use teacher directed websites to practice keyboard and mouse proficiency
• Use bookmarks to access given websites
• Use drop down boxes, links, and scroll bars to navigate websites
• Demonstrate knowledge of parts of a computer
• Determine if a computer, tablet, or smart phone is better for a task</td></tr>
</table>

Relevance	Vocabulary	Assessments
• Vocabulary knowledge is essential to operating a computer. • Proper use of a word processor is a basic computer skill. • Knowing basic computer commands is necessary for efficient use of computers. • Knowing how to create, save, retrieve, and print a document is an essential computer skill. • Navigating websites is an important computer skill. • Keyboard and mouse proficiency are essential computer skills.	• Cursor • Log on/off • User name • Password • Monitor • Desktop • Mouse • Font/font size • Exit program • Address bar • Scroll • Drop down • Link • Search bar • Bookmark • Homepage	Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed.
	Essential Questions: • What is the importance of knowing how to use a word processor to create, save, retrieve, and print documents? • What is the importance of knowing basic computer vocabulary and commands? • What is the importance of knowing how to navigate a website? • Why is it important to be proficient on the keyboard and using a mouse? • What is the importance of online safety?	

Unit: Continue developing word processing skills; internet skills; continue short cut keys;	**Time:** October, November, December
Standards Taught	
• 3.ET.CT.2 Students demonstrate the design process through problem solving. • 3.ET.CT.3 Students evaluate and select technology tools based on the specific tasks. • 3.ET.OC.3.1 Implement grade-level appropriate technology vocabulary • 3.ET.OC.3.2 Demonstrate proper use of hardware, software, peripherals, and storage media. • 3.ET.OC.3.3 Create, save and retrieve folders and files.	

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3.ET.OC.3.4 Demonstrate the correct use of numbers, symbols, and command keys using proper techniques.
3.ET.CI.1.1 Design a teacher-directed innovative project in word processing, publishing, spreadsheet, or presentation application.
3.ET.CC.1.1 Communicate through the use of digital tools to a variety of audiences

</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>

Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.
Students who can’t use projection screen, paper copies are provided.
Assignment modifications are also provided when needed

</td><td>One 30-minute class period per week.
The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.</td><td>To practice the various skills students will:

Communicate with parents with teacher assistance through See-Saw.
Create a word document per teacher directions.
Save, retrieve, edit, and print documents.
Use online assessments.

</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>

Communication with others through the use of various technologies is essential in today’s society.
Communication through the written word in a word document is essential in education and business world.
Confidence in completing online assessments is essential to academic success.

</td><td>In addition to previous vocabulary

Tab
Center alignment
Automatic numbering
Bullets

</td><td>Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed.</td></tr>
<tr><td></td><td colspan="2">Essential Questions:

Why is it important to create word documents according to directions?
Why is it important to communicate through a variety of media?

</td></tr>
</table>

	• What is the importance of saving and retrieving documents? • Why is online safety of extreme importance?

Unit: Research topics using the internet; transform notes to sentences; create 2-4 paragraphs on a topic, use internet to do a web search; publish a thank-you letter	**Time:** January, February, March, April, and May

Standards Taught

- 3.ET.OC.3.1 Implement grade-level appropriate technology vocabulary
- 3.ET.OC.3.2 Demonstrate proper use of hardware, software, peripherals, and storage media.
- 3.ET.OC.3.3 Create, save and retrieve folders and files.
- 3.ET.OC.3.4 Demonstrate the correct use of numbers, symbols, and command keys using proper techniques.
- 3.ET.CI.1.1 Design a teacher-directed innovative project in word processing, publishing, spreadsheet, or presentation application.
- 3.ET.RL.1.2 Create a citation using author, date and subject within different digital sources of information.
- 3.ET.RL.2.1 Define reliability and relevancy.
- 3.ET.DC.1.1 Determine the difference between types of illegal and unethical technology usage.
- 3.ET.OC.3.5 Use device-appropriate techniques to compose 2 paragraphs in a single sitting.
- 3.ET.CC.2.1 Collaborate with a variety of groups using technology tools

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help. • Students who can't use projection screen, paper copies are provided. • Assignment modifications are also provided when needed	One 30-minute class period per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.	To practice the various skills students will: • Complete web search on presidents & Dr. Seuss • Copy and paste notes from websites for research on given topics • Complete sentence frames • Publish thank-you letters • Cite sources from research
Relevance	**Vocabulary**	**Assessments**
• Being able to conduct online research is important in	In addition to previous vocabulary • Copy	Assessment is conducted throughout the class period as teacher observation.

education and business. • Citing sources is important to give credit to the correct authors. • Navigating websites is essential for research. • Correct letter form is important.	• Paste • Plagiarism • Indent/tab • Reliability/relevance • Cite sources	Finished products are also assessed.
	Essential Questions: • Why is writing a thank-you letter important? • Why is citing sources an important part of research? • Why is collaborating with others on projects an essential skill? • What is the importance of doing online research? • Why is internet security important? • What is the importance changing notes into original sentences important? • Why is knowing if a source is reliable of importance?	

Fourth Grade
Curriculum Mapping
2019-2020

<table>
<tr><td colspan="2">Unit: Continue basic word process; internet search/safety;</td><td>Time: August, September</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 4.ET.RL.1.1 Define key details needed to refine a search in a database.
• 4.ET.RL.2.1 Identify the reliability and relevancy of a source.
• 4.ET.DC.1.2 Practice safety precautions while online.
• 4.ET.OC.3.1 Implement grade-level appropriate technology vocabulary.
• 4.ET.OC.3.2 Demonstrate proper use of input and/or output devices and other peripherals.
• 4.ET.OC.3.3 Demonstrate how to manage and maintain files and folders.
• 4.ET.OC.3.4 Demonstrate the use of keyboard shortcuts and application menus.</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.
• Students who can’t use projection screen; paper copies are provided.
• Assignment modifications are also provided when needed</td><td>One 30-minute class period per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.</td><td>To practice the various skills students will:
• Use search engines to find information
• Bookmark websites
• Create word documents with given instructions
• Point out features using appropriate vocabulary
• Recognize reliable sources vs. unreliable sources
• Use safety precautions while on line
• Complete on line assessments</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>• Knowing shortcuts leads to greater efficiency.
• Proper use of the internet is essential in the 21st century.
• Saving and retrieving files is of great importance.
• Safety precautions are essential while using the internet.</td><td>• Windows key
• Tracking pad
• Tabs
• Drop down menu
• Browser
• Address/search bar
• Link
• Home page
• Back button
• Search engine
• https: (Padlock)</td><td>Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed. Online assessments will also be used</td></tr>
</table>

	• Bookmark • URL • CTRL (shortcuts)	
	Essential Questions: • What is the importance of saving files and being able to retrieve those files? • Why are safety precautions followed while online? • What is the importance of using a search engine? • Why is it important to distinguish a reliable source from an unreliable source? • What is the importance of knowing computer vocabulary?	

Unit: Beyond basic word processing (artistic effects & tables); research a given topic; compose a 3-4 paragraph document		**Time:** October, November, December
Standards Taught		
• 4.ET.RL.1 Students use technology to locate, organize, evaluate, and analyze information. • 4.ET.RL.1.2 Determine where and when to cite a source of information • 4.ET.CT.2.1 Create solutions to a given problem using the design process. • 4.ET.CT.1.1 Identify the role of technology in a community and society • 4.ET.CT.2.1 Create solutions to a given problem using the design process • 4.ET.OC.3.4 Demonstrate the use of keyboard shortcuts and application menus • 4.ET.CC.1.1 Select the best way to deliver information and ideas based on the audience. • 4.ET.CI.1.1 Design an innovative project in word processing, publishing, spreadsheet, or presentation applications with teacher guidance • 4.ET.CC.1.1 Select the best way to deliver information and ideas based on the audience.		
Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help. • Students who can't use projection screen; paper copies are provided. • Assignment modifications are also provided when needed •	One 30-minute class period per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.	To practice the various skills students will: • Create a word document using artistic effects (Pumpkin). • Create a document containing a table (Halloween candy). • Create a program to be used at the Veteran's Day program using artistic effects. • Research Christmas customs in other countries. • Compose a 3 to 4 paragraph document

Relevance	**Vocabulary**	**Assessments**
• Knowing more advanced practices enables students to produce a more eye appealing document. • Using the internet for research is an essential skill. • Citing sources is essential for reliable research. • The use of shortcut keys makes the user more efficient • Composing a word document is essential for school success.	• Continuation of previous vocabulary • Artistic effects • Bring forward/back • Insert table • Cite sources	Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed.
	Essential Questions: • What is the importance of using keyboard shortcuts? • Why is it important to distinguish a reliable source from an unreliable source? • What is the importance of creating an eye appealing document? • Why is internet research an essential skill in today's world? • What is the importance of creating a word document from information found on the internet? • Why is it essential to cite sources?	

Unit: Keyboarding using correct fingering. Complete web search. Internet searches using safety procedures. Compose word document using internet search information. Create power point presentation.	**Time:** January-May
Standards Taught	
• 4.ET.RL.1 Students use technology to locate, organize, evaluate, and analyze information. • 4.ET.RL.1.2 Determine where and when to cite a source of information • 4.ET.CT.2.1 Create solutions to a given problem using the design process. • 4.ET.CT.1.1 Identify the role of technology in a community and society	

- 4.ET.CT.2.1 Create solutions to a given problem using the design process
- 4.ET.OC.3.4 Demonstrate the use of keyboard shortcuts and application menus
- 4.ET.CC.1.1 Select the best way to deliver information and ideas based on the audience.
- 4.ET.CI.1.1 Design an innovative project in word processing, publishing, spreadsheet, or presentation applications with teacher guidance
- 4.ET.CC.1.1 Select the best way to deliver information and ideas based on the audience.
- 4.ET.CT.3 Students evaluate and select technology tools based on the specific tasks.
- 4.ET.DC.1.1 Compare and contrast consequences of illegal and unethical technology use.
- 4.ET.OC.1 Students interpret the history and progression of technology.
- 4.ET.OC.3.5 Use device-appropriate techniques (such as touch typing for traditional keyboard; thumb typing on personal device, etc.) to compose 1 page in a single sitting.
- 4.ET.CC.2.1 Collaborate with others to construct a digital product.

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help. • Students who can't use projection screen; paper copies are provided. • Assignment modifications are also provided when needed	One 30-minute class period per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.	To practice the various skills students will: • Practice touch typing using the www.typing.com website. • Complete questionnaire about presidents using internet resources and composing answers in a word document. • Research the author Dr. Seuss and compose a 4 paragraph report in a word document. • Use the Internet to research a famous South Dakotan then create a PowerPoint presentation using the information from the research conducted.
Relevance	**Vocabulary**	**Assessments**
• Knowing more advanced practices enables students to produce a more eye appealing document. • Using the internet for research is an essential skill.	• Touch typing • Posture • Home row • Fingering • Power Point • Transitions • Research • Cite sources • Illegal/unethical • Analyze	Assessment is conducted throughout the class period as teacher observation. Finished products are also assessed.

• Citing sources is essential for reliable research. • The use of shortcut keys makes the user more efficient • Composing a word document is essential for school success. • Touch typing is importance for speed, accuracy, and efficiency.	• Words per minute • Accuracy •	
	Essential Questions: • Why is it important to distinguish a reliable source from an unreliable source? • What is the importance of creating an eye appealing document? • Why is internet research an essential skill in today's world? • What is the importance of creating a word document from information found on the internet? • Why is it essential to cite sources? • What is the importance of knowing more than one way to present information? • Why is it essential to know correct touch typing keyboarding?	

Fifth Grade
Curriculum Mapping
2019-2020

<table>
<tr><td colspan="2">Unit: Touch typing using home row and correct fingering. Correct fingering for the letters F J U R D E K L C G N T S L O A B V H M . , Internet safety procedures.</td><td>Time: August-December</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 5.ET.CT.1.1 Identify how technology is used in a variety of careers.
• 5.ET.DC.1.2 Integrate personal safety precautions and etiquette while online
• 5.ET.OC.2.1 Compare the difference between input/output devices and other peripherals.
• 5.ET.CC.1.1 Select the most effective tools to communicate with others
• 5.ET.OC.3.1 Implement grade-level appropriate technology vocabulary.
• 5.ET.OC.3.2 Compare and contrast the functions and capabilities of input and/or output devices and other peripherals.
• 5.ET.OC.3.3 Demonstrate the ability to transfer data between devices.
• 5.ET.OC.3.4 Personalize application menus and toolbars for greater productivity.
• 5.ET.OC.3.5 Use device-appropriate techniques to compose 2 pages in a single sitting.</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>• Students who needed the extra help received individual help from paraprofessionals assigned to them or teacher help.
• Students who can’t use projection screen; paper copies are provided.
• Assignment modifications are also provided when needed</td><td>Two 30-minute class periods per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.</td><td>To practice the various skills students will:
• Hold class discussions on the importance of logging off internet sites to which they have logged in.
• Decide when it is appropriate to email or text information.
• Complete lessons on www.typing.com to improve touch typing skills.
• Utilize menu bar when working on documents.
• Hold class discussions on how technology effects our lives every day.</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>• Touch typing is essential to efficient use of word processing and many other applications.</td><td>• Home row
• Posture
• Ergonomics
• Touch typing</td><td>Assessment is conducted throughout the class period as teacher observation. On line lessons are assessed as well as end of unit tests.</td></tr>
</table>

• Logging out of web sites on shared computers is essential to personal information safety. • Proper posture and hand/arm placement while keyboarding is essential to physical well-being. •	• Muscle memory • Columns • Short cut keys • Extend/reach • Bookmark • Qwerty method • Public/private computers • Efficiency	Time tests are given to track improvement of speed and accuracy.
	Essential Questions: • What is the importance of touch typing? • What is the importance of correct logging off procedures on a shared computer? • What is the importance of muscle memory? • What is the importance of correct posture? • What is the importance of knowing when to use email/texting? • Why is knowing the menu bar and short cuts essential to keyboard efficiency?	

Unit: Touch typing using home row and correct fingering Continue with the letters W X ; Q P Y Z. Introduce tables, text boxes, shapes, and other advance word techniques.	**Time:** January-May

Standards Taught

- 5.ET.RL.1.1 Produce relevant information using advanced search functions.
- 5.ET.RL.1.2 Use digital tools to properly cite digital sources with guidance.
- 5.ET.CT.2 Students demonstrate the design process through problem solving.
- 5.ET.CT.3 Students evaluate and select technology tools based on the specific tasks.
- 5.ET.DC.1 Students analyze the safe, ethical, legal, and societal issues related to technology.
- 5.ET.OC.1 Students interpret the history and progression of technology.
- 5.ET.CI.1.1 Design an innovative project in word processing, publishing, spreadsheet, and presentation applications independently.
- 5.ET.CC.2.1 Collaborate with a variety of groups to design a digital product using online tools.

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
• Students who needed the extra help received individual help from paraprofessionals	One 30-minute class period per week. The classroom is set with computers on	To practice the various skills students will:

assigned to them or teacher help. • Students who can't use projection screen; paper copies are provided. • Assignment modifications are also provided when needed	tables. This is a one to one setting with a maximum of 3 students to a table. Projection system is used for classroom instruction.	• Complete lessons on www.typing.com to learn touch typing skills. • Design documents using tables to present information about populations of various places. • Use text boxes to show value of being able to move information about the page. • Use shapes and text to make an eye appealing document. • Research information for completing assignments • Collaborate with peers to complete science fair boards.
Relevance	**Vocabulary**	**Assessments**
• Touch typing is essential to efficient use of word processing and many other applications. • Proper posture and hand/arm placement while keyboarding is essential to physical well-being. • Understanding the use of tables and text boxes enables students to show information in various ways. • Using internet safety while doing research is essential. • Knowing how to cite sources in important while doing research. •	• Muscle memory • Qwerty method • Efficiency • Text boxes • Alignment • Tables	Assessment is conducted throughout the class period as teacher observation. On line lessons are assessed as well as end of unit tests. Time tests are given to track improvement of speed and accuracy. Finished products are also assessed.
	Essential Questions: • What is the importance of touch typing? • What is the importance of muscle memory? • What is the importance of correct posture? • Why is knowing the menu bar and short cuts essential to keyboard efficiency?	

	• What is the importance of citing sources? • Why is eye appeal important when creating a document? • What is the value of using a table in a word document? • What is the importance of checking the reliability and relevance of a website in relation to the topic being researched? • What is the importance of knowing how to use text boxes within word documents? • Why is creating an eye appealing document important? • Why is it important to collaborate with peers on creating documents and presentations?

Sixth Grade
Curriculum Mapping
2019-2020

<table>
<tr><td colspan="2">Unit: Review of the keyboard and correct fingering of the keys. Correct fingering for the letters T S L O A B Internet safety procedures.</td><td>Time: August/September 2019</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 6.ET.OC.3 Students demonstrate skills in utilizing technological systems
• 6.ET.OC.3.5 Demonstrate touch-type.
• 6.ET.OC.3.6 Incorporate the use of tutorial materials to guide self-directed learning
• 6.ET.OC.3.1 Implement grade-level appropriate technology vocabulary
• 6.ET.DC.1.5 Define security vulnerabilities to protect personal privacy.</td></tr>
<tr><td>Differentiation:</td><td>Classroom Management and Environment:</td><td>What will the students be doing?</td></tr>
<tr><td>Students who needed the extra help received additional time to complete lessons, modified lessons, physical paper rather than copying from screen.
Early finishers were given practice from a print source.</td><td>Two 30-minute class periods per week.
The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students per table.
Projection system for classroom instruction.</td><td>To practice the various skills students will:
• Implement correct posture while keyboarding
• Complete lessons on www.typing.com
• Practice teacher directed muscle memory exercises.
• Practice targeted letters using words and sentences saturated with those letters.
• Protect personal information by logging out of online programs.</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>• Touch typing is essential to efficient use of word processing and many other applications.
• Logging out of web sites on shared computers is essential to personal information safety.
• Proper posture and hand/arm placement while keyboarding is</td><td>• Home row
• Muscle memory
• Ergonomics
• Extend/reach
• Bookmark
• Public/private computers</td><td>Assessment is conducted throughout the class period as teacher observation.
Time tests are given.
Evaluations provided by www.Typing.com. Paper/pencil test over keyboard & fingers.</td></tr>
</table>

essential to physical well-being.		
	Essential Questions: • What is the importance of touch typing? • What is the importance of correct logging off procedures on a shared computer? • What is the importance of muscle memory? • What is the importance of correct posture?	

Unit: Correct fingering for letters V H M period, comma, and review of all letters learned.		**Time:** October 2019
Standards Taught		
• 6.ET.OC.3 Students demonstrate skills in utilizing technological systems • 6.ET.OC.3.5 Demonstrate touch-type. • 6.ET.OC.3.6 Incorporate the use of tutorial materials to guide self-directed learning • 6.ET.OC.3.1 Implement grade-level appropriate technology vocabulary • 6.ET.DC.1.5 Define security vulnerabilities to protect personal privacy.		
Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
Students who needed the extra help received additional time to complete lessons, modified lessons, physical paper rather than copying from screen. Early finishers were given practice from a print source.	Two 30-minute class periods per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students per table. Projection system for classroom instruction.	To practice the various skills students will: • Implement correct posture while keyboarding • Complete lessons on www.typing.com • Practice teacher directed muscle memory exercises. • Practice targeted letters using words and sentences saturated with those letters. • Protect personal information by logging out of online programs
Relevance	**Vocabulary**	**Assessments**
• Touch typing is essential to efficient use of word processing and many other applications. • Logging out of web sites on shared computers is essential to personal information safety.	• Home row • Muscle memory • Extend/reach • Ergonomics • Qwerty method	Assessment is conducted throughout the class period as teacher observation. Time tests are given. Evaluations provided by www.Typing.com. Paper/pencil test over keyboard & fingers.

• Proper posture and hand/arm placement while keyboarding is essential to physical well-being.		
	Essential Questions: • What is the importance of touch typing? • What is the importance of correct logging off procedures on a shared computer? • What is the importance of muscle memory? • What is the importance of correct posture?	

Unit: Correct fingering for letters W X ; and review previous letters. Work toward goal of 30 wpm. Importance of accuracy versus speed.		**Time:** November 2019
Standards Taught		
• 6.ET.OC.3 Students demonstrate skills in utilizing technological systems • 6.ET.OC.3.5 Demonstrate touch-type. • 6.ET.OC.3.6 Incorporate the use of tutorial materials to guide self-directed learning • 6.ET.OC.3.1 Implement grade-level appropriate technology vocabulary • 6.ET.DC.1.5 Define security vulnerabilities to protect personal privacy.		
Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
Students who needed the extra help received additional time to complete lessons, modified lessons, physical paper rather than copying from screen. Early finishers were given practice from a print source.	Two 30-minute class periods per week. The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students per table. Projection system for classroom instruction.	To practice the various skills students will: • Implement correct posture while keyboarding • Complete lessons on www.typing.com • Practice teacher directed muscle memory exercises. • Practice correct fingering with key coverings. • Practice targeted letters using words and sentences saturated with those letters. • Protect personal information by logging out of online programs

Relevance	Vocabulary	Assessments
• Touch typing is essential to efficient use of word processing and many other applications. • Accuracy is essential to formal computer work. Speed will come. • Logging out of web sites on shared computers is essential to personal information safety. • Proper posture and hand/arm placement while keyboarding is essential to physical well-being.	• Home row • Muscle memory • Extend/reach • Ergonomics • Qwerty method • Accuracy	Assessment is conducted throughout the class period as teacher observation. Time tests are given. Evaluations provided by www.Typing.com. Paper/pencil test over keyboard & fingers.
	Essential Questions: • What is the importance of touch typing? • What is the importance of correct logging off procedures on a shared computer? • What is the importance of muscle memory? • What is the importance of correct posture? • What is the value of accuracy?	

Unit: Correct fingering for letters P Q Y and review previous letters. Work toward goal of 30 wpm. Importance of accuracy versus speed. Participate in teacher directed group on-line game/assessment.	**Time:** December 2019

Standards Taught

- 6.ET.OC.3 Students demonstrate skills in utilizing technological systems
- 6.ET.OC.3.5 Demonstrate touch-type.
- 6.ET.OC.3.6 Incorporate the use of tutorial materials to guide self-directed learning
- 6.ET.OC.3.1 Implement grade-level appropriate technology vocabulary
- 6.ET.DC.1.5 Define security vulnerabilities to protect personal privacy.
- 6.ET.DC.1.3 Define and assess the importance of a positive digital footprint.

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**
Students who needed the extra help received additional time to	Two 30-minute class periods per week.	To practice the various skills students will:

complete lessons, modified lessons, physical paper rather than copying from screen. Early finishers were given practice from a print source.	The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students per table. Projection system for classroom instruction.	• Implement correct posture while keyboarding • Complete lessons on www.typing.com • Practice teacher directed muscle memory exercises. • Practice correct fingering with key coverings. • Practice targeted letters using words and sentences saturated with those letters. • Protect personal information by logging out of online programs • Practice appropriate protocols while participating in online gaming.
Relevance	**Vocabulary**	**Assessments**
• Touch typing is essential to efficient use of word processing and many other applications. • Accuracy is essential to formal computer work. Speed will come. • Logging out of web sites on shared computers is essential to personal information safety. • Proper posture and hand/arm placement while keyboarding is essential to physical well-being. • Leaving a positive digital footprint is of high value.	• Home row • Muscle memory • Extend/reach • Ergonomics • Qwerty method • Accuracy • Digital footprint	Assessment is conducted throughout the class period as teacher observation. Time tests are given. Evaluations provided by www.Typing.com. Paper/pencil test over keyboard & fingers.
	Essential Questions: • What is the importance of touch typing? • What is the importance of correct logging off procedures on a shared computer? • What is the importance of muscle memory? • What is the importance of correct posture? • What is the value of accuracy? • What is the value of a positive digital footprint?	

<table>
<tr><td colspan="2">Unit: Correct fingering for letter Z and review previous letters. Importance of accuracy versus speed. Work toward goal of 30 wpm. Use text boxes in word document. Copy and paste when appropriate.</td><td>Time: January 2020</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 6.ET.OC.3 Students demonstrate skills in utilizing technological systems
• 6.ET.OC.3.5 Demonstrate touch-type.
• 6.ET.OC.3.6 Incorporate the use of tutorial materials to guide self-directed learning
• 6.ET.OC.3.1 Implement grade-level appropriate technology vocabulary
• 6.ET.CT.2.1 Apply a selected design process as guided by the teacher.
• 6.ET.CT.3.1 Identify the appropriate digital application to complete a task.
• 6.ET.OC.2.1 Analyze the information processing cycle which includes input, process, output, and storage.
• 6.ET.OC.3.4 Incorporate a variety of technology applications to create a product with teacher guidance
• 6.ET.CI.1.1 Demonstrate ways to present and publish information using a variety of applications.</td></tr>
<tr><td>Differentiation:
Students who needed the extra help received additional time to complete lessons, modified lessons, physical paper rather than copying from screen.
Early finishers were given practice from a print source.</td><td>Classroom Management and Environment:
Two 30-minute class periods per week.
The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students per table.
Projection system for classroom instruction.</td><td>What will the students be doing?
To practice the various skills students will:
• Implement correct posture while keyboarding
• Complete lessons on www.typing.com
• Practice teacher directed muscle memory exercises.
• Practice correct fingering with key coverings.
• Practice to achieve the 30 wpm goal.
• Practice targeted letters using words and sentences saturated with those letters.
• Practice creating, copy/paste, and moving text boxes to create an eye appealing word document.</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>• Touch typing is essential to efficient use of word</td><td>• Ergonomics</td><td>Assessment is conducted throughout the class period as teacher observation.</td></tr>
</table>

processing and many other applications. • Accuracy is essential to formal computer work. • Proper posture and hand/arm placement while keyboarding is essential to physical well-being. • Text boxes are valuable in certain situations. • Checking the reliability and relevance of a website is critical to research.	• Accuracy • Copy/paste • Text box • Save as vs. save •	Time tests are given. Evaluations provided by www.Typing.com. Paper/pencil test over keyboard & fingers. Assessment of finished word product.
	Essential Questions: • What is the importance of correct posture? • What is the value of accuracy? • Why is eye appeal important when creating a document? • What is the value of a text box?	

Unit: Correct fingering while keyboarding. Importance of accuracy versus speed. Work toward goal of 30 wpm. Learn and use short cut keys in a word document. Research a given topic using Google search. Evaluate websites for reliability. Create tables to display information.	**Time:** February/March 2020

Standards Taught

- 6.ET.OC.3.1 Implement grade-level appropriate technology vocabulary
- 6.ET.OC.3 Students demonstrate skills in utilizing technological systems
- 6.ET.OC.3.5 Demonstrate touch-type.
- 6.ET.OC.3.6 Incorporate the use of tutorial materials to guide self-directed learning
- 6.ET.OC.2.1 Analyze the information processing cycle which includes input, process, output, and storage.
- 6.ET.RL.1.1 Students use technology to locate, organize, evaluate and analyze information.
- 6.ET.RL.2 Students determine the reliability and relevancy of information.
- 6.ET.OC.3.4 Incorporate a variety of technology applications to create a product with teacher guidance
- 6.ET.CI.1.1 Demonstrate ways to present and publish information using a variety of applications

Differentiation:	**Classroom Management and Environment:**	**What will the students be doing?**

<table>
<tr><td>Students who needed the extra help received additional time to complete lessons, modified lessons, physical paper rather than copying from screen.
Early finishers were given practice from a print source.</td><td>Two 30-minute class periods per week.
The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students per table.
Projection system for classroom instruction.</td><td>To practice the various skills students will:
Implement correct posture while keyboarding
Complete intermediate lessons on www.typing.com
Practice correct fingering
Practice to achieve the 30 wpm goal.
Using teacher directed materials, practice using the short cut keys
Research a given topic
Create a 3 column table with headings and sources cited.</td></tr>
<tr><th>Relevance</th><th>Vocabulary</th><th>Assessments</th></tr>
<tr><td>Touch typing is essential to efficient use of word processing and many other applications.
Accuracy is essential to formal computer work.
Proper posture and hand/arm placement while keyboarding is essential to physical well-being.
Tables are valuable in certain situations.
Checking the reliability and relevance of a website is critical to research.</td><td>Align
Eye appeal
Table
Site Sources
Relevant/reliable</td><td>Assessment is conducted throughout the class period as teacher observation.
Time tests are given.
Assessment of finished word product.
Written test over short cut keys.</td></tr>
<tr><td></td><td colspan="2">Essential Questions:
What is the importance of correct posture?
What is the value of accuracy?
Why is eye appeal important when creating a document?
What is the value of using a table in a word document?
What is the importance of checking the reliability and relevance of a website in relation to the topic being researched?</td></tr>
</table>

<table>
<tr><td colspan="2">Unit: Correct fingering for shift key and punctuation. Review previous letters. Importance of accuracy versus speed. Work toward goal of 30 wpm. Learn parts of a computer and online safety, protocols, and importance of personal information.</td><td>Time: April/May 2020</td></tr>
<tr><td colspan="3">Standards Taught</td></tr>
<tr><td colspan="3">• 6.ET.OC.3 Students demonstrate skills in utilizing technological systems
• 6.ET.OC.3.5 Demonstrate touch-type.
• 6.ET.OC.3.6 Incorporate the use of tutorial materials to guide self-directed learning
• 6.ET.OC.3.1 Implement grade-level appropriate technology vocabulary
• 6.ET.DC.1.5 Define security vulnerabilities to protect personal privacy.
• 6.ET.OC.2 Students analyze the parts of a technological system
• 6.ET.DC.1 Students analyze the safe, ethical, legal, and societal issues related to technology.
• 6.ET.OC.1 Students interpret the history and progression of technology
• 6.ET.CC.1 Students use technology to communicate with others.</td></tr>
<tr><td>Differentiation:
Students who needed the extra help received additional time to complete lessons, modified lessons, physical paper rather than copying from screen.
Early finishers were given practice from a print source.</td><td>Classroom Management and Environment:
Two 30-minute class periods per week.
The classroom is set with computers on tables. This is a one to one setting with a maximum of 3 students per table.
Projection system for classroom instruction.</td><td>What will the students be doing?
To practice the various skills students will:
• Implement correct posture while keyboarding
• Complete Intermediate lessons on www.typing.com
• Practice correct fingering
• Practice to achieve the 30 wpm goal.
• Complete Computer Basic and Internet Basics on www.typing.com</td></tr>
<tr><td>Relevance</td><td>Vocabulary</td><td>Assessments</td></tr>
<tr><td>• Touch typing is essential to efficient use of word processing and many other applications.
• Accuracy is essential to formal computer work.
• Proper posture and hand/arm placement while keyboarding is essential to physical well-being.</td><td>• Hardware
• Software
• Operating System
• Cyberbullying
• Social media private
• Digital footprint</td><td>Assessment is conducted throughout the class period as teacher observation.
Time tests are given.
Written test over Computer Basics and Internet Basics.
Evaluations provided by www.Typing.com.</td></tr>
</table>

• Leaving a positive digital footprint is of high value. • Awareness of cyberbullying is of extreme importance to personal safety. • Keeping personal information private online is of extreme importance to personal safety.		
	Essential Questions: • What is the importance of touch typing? • What is the value of accuracy? • What is the importance of correct posture? • Why is it of extreme importance to keep personal information private online? • What is the importance of recognizing cyberbullying? • What is the value of a positive digital footprint?	