

2017- 18 Derry Computer Curriculum Crosswalk

Kindergarten

ISTE Standards	Big Idea	I Can Statements	Resource Examples
<p>ISTE NETS - Empowered Learner Use technology to set goals, demonstrate learning through the use of technology. concepts, systems, and operations.</p>	<p>OS X Basics Technology concepts, systems, and operations</p> <ul style="list-style-type: none"> ● Identify computer components ● Use keyboard to type letters and numbers and know how to use special key functions ● Use the mouse to perform computer functions ● Recognize icons to open applications and perform basic computer functions 	<ul style="list-style-type: none"> ● I can power on and off the computer ● I can log on and off the computer with Index Card ● I can open, minimize, maximize and close applications ● I can open, save and close files/documents ● I can print documents ● I can identify parts of a computer <ul style="list-style-type: none"> ○ computer (CPU) ○ monitor ○ mouse/trackpad ○ keyboard ○ CD/DVD drive ○ printer ○ headphones ○ speakers ● I can use input device (e.g., mouse) <ul style="list-style-type: none"> ○ point ○ select/click or double-click ○ click/select and hold ○ drag and drop ● I can recognize and use icons to perform computer 	<p>Mousing Around http://minimouse.us/</p> <p>Bees and Honey http://www.tvokids.com/games/beesandhoney</p> <p>Tidy the Classroom http://www.learning.luton.gov.uk/l2g/custom/resources_ftp/netmedia_std/ks1/ict/mouse/index.htm</p> <p>Computer Terminology slideshow</p> <p>“Simon Says” Windows manipulation game</p>

		<p>and software functions</p> <ul style="list-style-type: none"> ● I can use special function keys <ul style="list-style-type: none"> ○ delete ○ shift - Capital Letters/Punctuation ○ arrow keys ○ space ○ return/enter ○ spacebar ● I can use/adjust volume controls ● I understand computer terms: <ul style="list-style-type: none"> ○ Maximize ○ Minimize ○ Open ○ Close ○ New ○ Save ○ Browser ○ Program ○ Icon 	
<p>ISTE NETS - Creative Communicator & Global Collaborator Look analytically at media to interpret the real message; Create original communications by aligning the message and audience; Work</p>	<p>Education Skill Building Activities & Google Earth</p>	<ul style="list-style-type: none"> ● I can navigate through the website to learn math concepts, language skills, science concepts ● With the help of an adult, I can understand that Google earth is used to 	<p>Ten Frames Math http://illuminations.nctm.org/Activity.aspx?id=3565</p> <p>Shapes & Colors Bingo http://www.abcya.com/shapes_colors_bingo.htm</p>

<p>cooperatively in an online environment to solve problems and create original products, broaden global perspective.</p>		<p>explain basic science and geography. Eg: Rotation, Revolution, Location of USA, Virtual Field Trips, Planets & Solar System.</p>	<p>Vowel Sounds http://lessons.e-learningforkids.org/efk/Courses/EN/Word_Recognition/launch.html</p> <p>ABCYa Games http://www.abcya.com/kindergarten_computers.htm</p> <p>Wixie https://static.wixie.com/edu/primary-grades.php</p> <p>Google Maps www.maps.google.com</p>
<p>ISTE NETS - Digital Citizen - Legal and ethical behavior, Internet Safety, Cyber Bullying, Social Web2.0 collaborative content, digital literacy, cultural understanding and global awareness.</p>	<p>Digital Citizenship</p> <ul style="list-style-type: none"> ● Technology and Daily Life <ul style="list-style-type: none"> ○ Recognize a balance between a healthy lifestyle and technology use ● Ethical, Legal and Safety Issues <ul style="list-style-type: none"> ○ Understand and follow the acceptable use policy ○ Use technology to support learning and collaboration ○ Recognize 	<ul style="list-style-type: none"> ● I can recognize and discuss why there are rules for using technology at home and at school ● I can understand and follow the acceptable use policy (AUP) ● I can discuss why it may be dangerous to visit certain websites ● I can be good digital citizen and practice good netiquette ● I understand regulation of screen time 	<p>NetSmartz Internet Safety Commonsense Media Educators iKeepSafe Computer Ergonomics</p>

	<p>responsible, proper, and safe use of technology</p> <ul style="list-style-type: none"> ● Digital Safety <ul style="list-style-type: none"> ○ Discuss digital safety ○ Discuss digital privacy 		
<p>ISTE NETS - Innovative Designer & Computational Thinker Solve real world problems for a specific audience by using creative and critical thinking skills to plan and conduct research; manage projects; evaluate the process; and reflect on the outcome, produce original work.</p>	<p>5.0 Solution Fluency</p> <ul style="list-style-type: none"> ● Paintbrush ● Word Processing Tools 	<p><u>Paintbrush</u></p> <ul style="list-style-type: none"> ● I can use a drawing application to create an original work of art ● I can change colors and patterns ● I can type text <p><u>Word Processing</u></p> <ul style="list-style-type: none"> ● I can type text ● I can select text and change <ul style="list-style-type: none"> ○ font size ○ font type ○ color ● Print document ● I can type using 2 hands ● I can type / enter letters and numbers to type my name/ sight words. ● I can recognize and use icons to perform. 	<p>Paintbrush Comic Strip Creator Libreoffice Word Document Microsoft Word Typing Club www.typingclub.com</p> <p>ABCYa! Keyboard Zoo http://www.abcya.com/keyboard_practice.htm</p> <p>Key Seeker http://annrymer.com/keyseeker/</p> <p>Find the Letter http://freewebs.com/weddell/findtheletter.html</p> <p>Dance Mat Typing http://www.bbc.co.uk/schools/typing/</p>

			<p>Big Brown Bear http://www.bigbrownbear.co.uk/keyboard/ Color name on a paper keyboard</p>
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First Grade

ISTE Standards	Big Idea	I Can Statements	Resource Examples
<p>ISTE NETS - Empowered Learner Use technology to set goals, demonstrate learning through the use of technology. concepts, systems, and operations.</p>	<p>OS X Basics Technology concepts, systems, and operations</p> <ul style="list-style-type: none"> ● Identify computer components ● Use keyboard to type letters and numbers and know how to use special key functions ● Use the mouse to perform computer functions ● Recognize icons to open applications and perform basic computer functions 	<ul style="list-style-type: none"> ● I can power on and off the computer ● I can log on and off the computer. ● I can open, maximize, minimize and close applications ● I can open, save and close files/documents ● I can print documents ● I can identify parts of a computer <ul style="list-style-type: none"> ○ computer (CPU) ○ monitor ○ mouse/trackpad ○ keyboard ○ CD/DVD drive ○ printer ○ headphones ○ speakers ● I can use input device (e.g., mouse) <ul style="list-style-type: none"> ○ point ○ select/click or double-click ○ click/select and hold ○ drag and drop ● I can recognize and use 	<p>Mousing Around http://minimouse.us/</p> <p>Bees and Honey http://www.tvokids.com/games/beesandhoney</p> <p>Tidy the Classroom http://www.learning.luton.gov.uk/l2g/custom/resources_ftp/net_media_std/ks1/ict/mouse/index.htm</p> <p>Computer Terminology slideshow</p> <p>“Simon Says” Windows manipulation game</p>

		<p>icons to perform computer and software functions</p> <ul style="list-style-type: none"> ● I can use special function keys <ul style="list-style-type: none"> ○ delete ○ shift - Capital Letters/Punctuation ○ arrow keys ○ space ○ return/enter ○ spacebar ● I can use/adjust volume controls ● I understand computer terms: <ul style="list-style-type: none"> ○ Maximize ○ Minimize ○ Open ○ Close ○ New ○ Save ○ Browser ○ Program ○ Icon 	
<p>ISTE NETS - Creative Communicator & Global Collaborator Look analytically at media to interpret the real message; Create original communications by aligning the message</p>	<p>Education Skill Building Activities & Google Earth</p>	<ul style="list-style-type: none"> ● I can navigate through the website to learn math concepts, language skills, science concepts ● With the help of an adult, I can understand that 	<p>Ten Frames Math http://illuminations.nctm.org/Activity.aspx?id=3565</p> <p>Shapes & Colors Bingo http://www.abcya.com/shapes_colors_bingo.htm</p>

<p>and audience; Work cooperatively in an online environment to solve problems and create original products, broaden global perspective.</p>		<p>Google earth is used to explain basic science and geography. Eg: Rotation, Revolution, Location of USA, Virtual Field Trips, Planets & Solar System.</p>	<p>Vowel Sounds http://lessons.e-learningforkids.org/efk/Courses/EN/Word_Recognition/launch.html</p> <p>ABCYa Games http://www.abcya.com/kindergarten_computers.htm</p> <p>Wixie https://static.wixie.com/edu/primary-grades.php</p> <p>Google Maps www.maps.google.com</p>
<p>ISTE NETS - Digital Citizen - Legal and ethical behavior, Internet Safety, Cyber Bullying, Social Web2.0 collaborative content, digital literacy, cultural understanding and global awareness.</p>	<p>Digital Citizenship</p> <ul style="list-style-type: none"> ● Technology and Daily Life <ul style="list-style-type: none"> ○ Recognize a balance between a healthy lifestyle and technology use ● Ethical, Legal and Safety Issues <ul style="list-style-type: none"> ○ Understand and follow the acceptable use policy ○ Use technology to support learning and collaboration 	<ul style="list-style-type: none"> ● I can recognize and discuss why there are rules for using technology at home and at school ● I can understand and follow the Acceptable Use Policy (AUP) ● I can discuss why it may be dangerous to visit certain websites ● I can be good digital citizen and practice good netiquette ● I understand regulation of 	<p>NetSmartz Internet Safety Commonsense Media Educators iKeepSafe Computer Ergonomics</p>

	<ul style="list-style-type: none"> ○ Recognize responsible, proper, and safe use of technology ● Digital Safety <ul style="list-style-type: none"> ○ Discuss digital safety ○ Discuss digital privacy 	<p>screen time</p> <ul style="list-style-type: none"> ● I can understand how and why to protect my privacy online. 	
<p>ISTE NETS - Innovative Designer & Computational Thinker Solve real world problems for a specific audience by using creative and critical thinking skills to plan and conduct research; manage projects; evaluate the process; and reflect on the outcome, produce original work.</p>	<p>5.0 Solution Fluency</p> <ul style="list-style-type: none"> ● Paintbrush ● Word Processing Tools ● Google Drive 	<p><u>Paintbrush</u></p> <ul style="list-style-type: none"> ● I can use a drawing application to create an original work of art ● I can change colors and patterns <p><u>Word Processing & Typing</u></p> <ul style="list-style-type: none"> ● I can type and change <ul style="list-style-type: none"> ○ font size ○ font type ○ color ● Print document ● I can type using 2 hands ● I can type / enter letters and numbers to type my name/ sight words / sentences. ● I can recognize and use icons to perform. ● Typing speed 10 wpm <p><u>Google Drive</u></p>	<p>Paintbrush Comic Strip Creator Libreoffice Word Document Microsoft Word Typing Club www.typingclub.com</p> <p>ABCYa! Keyboard Zoo http://www.abcya.com/keyboarding_practice.htm</p> <p>Key Seeker http://annrymer.com/keyseeker/</p> <p>Find the Letter http://freewebs.com/weddell/findtheletter.html</p> <p>Dance Mat Typing http://www.bbc.co.uk/schools/t</p>

		<ul style="list-style-type: none">• I can create folders on Google Drive	<p>yping/</p> <p>Big Brown Bear http://www.bigbrownbear.co.uk/keyboard/</p> <p>Color name on a paper keyboard</p>
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Second Grade

ISTE Standards	Big Idea	I Can Statements	Resource Examples
<p>ISTE NETS - Empowered Learner Use technology to set goals, demonstrate learning through the use of technology. concepts, systems, and operations.</p>	<p>OS X Basics Technology concepts, systems, and operations</p> <ul style="list-style-type: none"> ● Identify computer components ● Use keyboard to type letters and numbers and know how to use special key functions ● Use the mouse to perform computer functions ● Recognize icons to open applications and perform basic computer functions 	<ul style="list-style-type: none"> ● I can power on and off the computer ● I can log on and off the computer. ● I can open, maximize, minimize and close applications ● I can open, save and close files/documents ● I can print documents ● I can identify parts of a computer <ul style="list-style-type: none"> ○ computer (CPU) ○ monitor ○ mouse/trackpad ○ keyboard ○ CD/DVD drive ○ printer ○ headphones ○ speakers ● I can use input device (e.g., mouse) <ul style="list-style-type: none"> ○ point ○ select/click or double-click ○ click/select and hold ○ drag and drop ● I can recognize and use 	<p>Mousing Around http://minimouse.us/</p> <p>Computer Terminology slideshow</p> <p>“Simon Says” Windows manipulation game</p>

icons to perform computer and software functions

- I can use special function keys
 - delete
 - shift - Capital Letters/Punctuation
 - arrow keys
 - space
 - return/enter
 - spacebar
- I can use/adjust volume controls
- I understand computer terms:
 - Maximize
 - Minimize
 - Open
 - Close
 - New
 - Save
 - Browser
 - Program
 - Icon
- Keyboard Shortcuts
 - Cut
 - Copy
 - Paste
 - Undo
 - Save
 - New

<p>ISTE NETS - Creative Communicator & Global Collaborator Look analytically at media to interpret the real message; Create original communications by aligning the message and audience; Work cooperatively in an online environment to solve problems and create original products, broaden global perspective.</p>	<p>Education Skill Building Activities & Google Earth</p>	<ul style="list-style-type: none"> • I can navigate through the website to learn math concepts, language skills, science concepts • With the help of an adult, I can understand that Google earth is used to explain basic science and geography. Eg: Rotation, Revolution, Location of USA, Virtual Field Trips, Planets & Solar System. 	<p>Google Maps www.maps.google.com</p>
<p>ISTE NETS - Knowledge Constructor Students apply digital tools to gather, evaluate, and use information. Ability to find and interpret information in all forms and formats.</p>	<p>Ability to gather and research information online</p>	<ul style="list-style-type: none"> • I understand what is a search engine • I can search for information with the help of an adult 	<p>www.kidrex.com http://www.kiddle.co/</p>
<p>ISTE NETS - Digital Citizen - Legal and ethical behavior, Internet Safety, Cyber Bullying, Social Web2.0 collaborative content, digital</p>	<p>Digital Citizenship</p> <ul style="list-style-type: none"> • Technology and Daily Life <ul style="list-style-type: none"> ○ Recognize a balance between a healthy lifestyle and technology use • Ethical, Legal and Safety Issues 	<ul style="list-style-type: none"> • I can recognize and discuss why there are rules for using technology at home and at school • I can understand and follow the Acceptable Use Policy (AUP) 	<p>NetSmartz Internet Safety Commonsense Media Educators iKeepSafe Computer Ergonomics</p>

<p>literacy, cultural understanding and global awareness.</p>	<ul style="list-style-type: none"> ○ Understand and follow the acceptable use policy ○ Use technology to support learning and collaboration ○ Recognize responsible, proper, and safe use of technology <ul style="list-style-type: none"> ● Digital Safety <ul style="list-style-type: none"> ○ Discuss digital safety ○ Discuss digital privacy 	<ul style="list-style-type: none"> ● I can discuss why it may be dangerous to visit certain websites ● I can be good digital citizen and practice good netiquette ● I understand regulation of screen time ● I can understand how and why to protect my privacy online. 	
<p>ISTE NETS - Innovative Designer & Computational Thinker Solve real world problems for a specific audience by using creative and critical thinking skills to plan and conduct research; manage projects; evaluate the process; and reflect on the outcome, produce original work.</p>	<p>5.0 Solution Fluency</p> <ul style="list-style-type: none"> ● Paintbrush ● Spreadsheets ● Word Processing Tools ● Google Drive 	<p><u>Paintbrush</u></p> <ul style="list-style-type: none"> ● I can use a drawing application to create an original work of art ● I can change colors and patterns <p><u>Spreadsheets:</u></p> <ul style="list-style-type: none"> ● I can start a new document and name it ● I can open, save and close files ● I can select a cell ● I can enter data in a cell ● I can format cells and 	<p>Paintbrush Comic Strip Creator Libreoffice Word Document Microsoft Word Google Sheets Libreoffice Calc Spreadsheet Microsoft Office Excel Typing Club www.typingclub.com</p>

data

- Font size
- Font type
- Color
- I can create a basic graph
- I can create a table

Word Processing & Typing

- I can start a new document and name it
- I can type and change
 - font size
 - font type
 - color
- Print document
- I can type using 2 hands
- I can type / enter letters and numbers to type my name/ sight words / sentences.
- I can recognize and use icons to perform.
- Typing Speed - 15 wpm

Google Drive

- I can create folders on Google Drive
- I can understand the importance of Folder Organization

Third Grade

ISTE Standards	Big Idea	I Can Statements	Resource Examples
<p>ISTE NETS - Empowered Learner Use technology to set goals, demonstrate learning through the use of technology. concepts, systems, and operations.</p>	<p>OS X Basics Technology concepts, systems, and operations</p> <ul style="list-style-type: none"> ● Identify computer components ● Use keyboard to type letters and numbers and know how to use special key functions ● Use the mouse to perform computer functions ● Recognize icons to open applications and perform basic computer functions 	<ul style="list-style-type: none"> ● I can power on and off the computer ● I can log on and off the computer. ● I can open, maximize, minimize and close applications ● I can open, save and close files/documents ● I can print documents ● I can identify parts of a computer <ul style="list-style-type: none"> ○ computer (CPU) ○ monitor ○ mouse/trackpad ○ keyboard ○ CD/DVD drive ○ printer ○ headphones ○ speakers ● I can use input device (e.g., mouse) <ul style="list-style-type: none"> ○ point ○ select/click or double-click ○ click/select and hold ○ drag and drop ● I can recognize and use 	<p>Mousing Around http://minimouse.us/</p> <p>Mouse Games http://www.abcya.com/blue_box.htm</p> <p>Computer Terminology slideshow</p> <p>“Simon Says” Windows manipulation game</p>

icons to perform computer and software functions

- I can use special function keys
 - delete
 - shift - Capital Letters/Punctuation
 - arrow keys
 - space
 - return/enter
 - spacebar
- I can use/adjust volume controls
- I understand computer terms:
 - Maximize
 - Minimize
 - Open
 - Close
 - New
 - Save
 - Browser
 - Program
 - Icon
- Keyboard Shortcuts
 - Cut
 - Copy
 - Paste
 - Undo
 - Save
 - New

<p>ISTE NETS - Creative Communicator & Global Collaborator Look analytically at media to interpret the real message; Create original communications by aligning the message and audience; Work cooperatively in an online environment to solve problems and create original products, broaden global perspective.</p>	<p>Education Skill Building Activities & Google Earth</p>	<ul style="list-style-type: none"> • I can navigate through the website to learn math concepts, language skills, science concepts, basic coding concepts • I can understand that Google earth is used to explain basic science and geography. Eg: Rotation, Revolution, Location of USA, Virtual Field Trips, Planets & Solar System. 	<p>Introduction to Coding https://scratch.mit.edu/ https://studio.code.org/hoc/1</p> <p>Geography Games http://www.learninggamesforkids.com/geography_games/random_games/flags.html https://smartypins.withgoogle.com/</p> <p>Science Games https://www.nasa.gov/kidsclub/index.html http://glencoe.mheducation.com/sites/0078600499/student_view0/brainpop_movies.html</p> <p>Google Maps www.maps.google.com</p>
<p>ISTE NETS - Knowledge Constructor Students apply digital tools to gather, evaluate, and use information. Ability to find and interpret information in all forms and formats.</p>	<p>Ability to gather and research information online</p>	<ul style="list-style-type: none"> • I understand what is a search engine • I can search for information with the help of an adult • I can understand the difference between fact, untruth and opinion • I can understand copyright, plagiarism and laws surrounding it. 	<p>www.kidrex.com http://www.kiddle.co/</p>

		<ul style="list-style-type: none"> I can use keywords and phrases from a question to look for information 	
ISTE NETS - Digital Citizen - Legal and ethical behavior, Internet Safety, Cyber Bullying, Social Web2.0 collaborative content, digital literacy, cultural understanding and global awareness.	Digital Citizenship <ul style="list-style-type: none"> Technology and Daily Life <ul style="list-style-type: none"> Recognize a balance between a healthy lifestyle and technology use Ethical, Legal and Safety Issues <ul style="list-style-type: none"> Understand and follow the acceptable use policy Use technology to support learning and collaboration Recognize responsible, proper, and safe use of technology Digital Safety <ul style="list-style-type: none"> Discuss digital safety Discuss digital privacy 	<ul style="list-style-type: none"> I can recognize and discuss why there are rules for using technology at home and at school I can understand and follow the Acceptable Use Policy (AUP) I can discuss why it may be dangerous to visit certain websites I can be good digital citizen and practice good netiquette I understand regulation of screen time I can understand how and why to protect my privacy online. 	NetSmartz Internet Safety Commonsense Media Educators iKeepSafe Computer Ergonomics
ISTE NETS - Innovative Designer &	5.0 Solution Fluency	<u>Paintbrush</u> <ul style="list-style-type: none"> I can use a drawing 	Paintbrush Comic Strip Creator

<p>Computational Thinker Solve real world problems for a specific audience by using creative and critical thinking skills to plan and conduct research; manage projects; evaluate the process; and reflect on the outcome, produce original work.</p>	<ul style="list-style-type: none"> ● Paintbrush ● Presentations - Keynote/ Google Slides ● Spreadsheets ● Word Processing Tools ● Google Drive 	<p>application to create an original work of art</p> <ul style="list-style-type: none"> ● I can change colors and patterns <p><u>Presentations:</u></p> <ul style="list-style-type: none"> ● I can create a presentation or open/close a presentation using a template and name ● I can add , rearrange & delete slides ● I can type and format text ● I can do animations ● I can play slideshow ● I can insert, resize graphics, pictures, clipart. ● I can explain my presentation <p><u>Spreadsheets:</u></p> <ul style="list-style-type: none"> ● I can start a new document and name ● I can open, save and close files ● I can select a cell ● I can enter data in a cell ● I can format cells and data <ul style="list-style-type: none"> ○ Font size ○ Font type ○ Color 	<p>Libreoffice Word Document Microsoft Word Google Sheets Libreoffice Calc Spreadsheet Microsoft Office Excel Keynote Google Slides Microsoft Powerpoint</p> <p>Typing Club www.typingclub.com</p> <p>Typing Speed Check http://www.freetypinggame.net/play4.asp</p>
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- I can create a basic graph
- I can create a table
- I can do basic formulas- addition & subtraction

Word Processing & Typing

- I can start a new document and name it
- I can type and change
 - font size , type & effects
 - Color
 - Word wrap
 - Margins
- I can print a document
- I can type using 2 hands
- I can type / enter letters and numbers to type sentences.
- I can recognize and use icons to perform.
- Typing Speed - 20 wpm

Google Drive

- I can create folders on Google Drive
- I can understand the importance of Folder Organization
- I can name files and folders appropriately

Fourth Grade

ISTE Standards	Big Idea	I Can Statements	Resource Examples
<p>ISTE NETS - Empowered Learner Use technology to set goals, demonstrate learning through the use of technology. concepts, systems, and operations.</p>	<p>OS X Basics Technology concepts, systems, and operations</p> <ul style="list-style-type: none"> ● Identify computer components ● Use keyboard to type letters and numbers and know how to use special key functions ● Use the mouse to perform computer functions ● Recognize icons to open applications and perform basic computer functions 	<ul style="list-style-type: none"> ● I can power on and off the computer ● I can log on and off the computer. ● I can open, maximize, minimize and close applications ● I can open, save and close files/documents ● I can print documents ● I can identify parts of a computer <ul style="list-style-type: none"> ○ computer (CPU) ○ monitor ○ mouse/trackpad ○ keyboard ○ CD/DVD drive ○ printer ○ headphones ○ speakers ● I can use input device (e.g., mouse) <ul style="list-style-type: none"> ○ point ○ select/click or double-click ○ click/select and hold ○ drag and drop ● I can recognize and use 	<p>Mousing Around http://minimouse.us/</p> <p>Mouse Games http://www.abcya.com/blue_box.htm</p> <p>Computer Terminology slideshow</p> <p>“Simon Says” Windows manipulation game</p>

icons to perform computer and software functions

- I can use special function keys
 - delete
 - shift - Capital Letters/Punctuation
 - arrow keys
 - space
 - return/enter
 - spacebar
- I can use/adjust volume controls
- I understand computer terms:
 - Maximize
 - Minimize
 - Open
 - Close
 - New
 - Save
 - Browser
 - Program
 - Icon
- Keyboard Shortcuts
 - Cut
 - Copy
 - Paste
 - Undo
 - Save
 - New

<p>ISTE NETS - Creative Communicator & Global Collaborator Look analytically at media to interpret the real message; Create original communications by aligning the message and audience; Work cooperatively in an online environment to solve problems and create original products, broaden global perspective.</p>	<p>Education Skill Building Activities & Google Earth</p>	<ul style="list-style-type: none"> • I can navigate through the website to learn math concepts, language skills, science concepts, basic coding concepts • I can understand that Google earth is used to explain basic science and geography. Eg: Rotation, Revolution, Location of USA, Virtual Field Trips, Planets & Solar System, Latitude & Longitude 	<p>Introduction to Coding https://scratch.mit.edu/ https://studio.code.org/hoc/1</p> <p>Geography Games http://www.learninggamesforkids.com/geography_games/random_games/flags.html https://smartypins.withgoogle.com/</p> <p>Science Games https://www.nasa.gov/kidsclub/index.html http://glencoe.mheducation.com/sites/0078600499/student_view0/brainpop_movies.html</p> <p>Internet Scavenger Hunts</p> <p>Google Maps www.maps.google.com</p>
<p>ISTE NETS - Knowledge Constructor Students apply digital tools to gather, evaluate, and use information. Ability to find and interpret information in all forms and formats.</p>	<p>Ability to gather and research information online</p>	<ul style="list-style-type: none"> • I understand what is a search engine • I can search for information with the help of an adult • I can understand the difference between fact, untruth and opinion • I can understand 	<p>www.kidrex.com http://www.kiddle.co/</p>

		<p>copyright, plagiarism and laws surrounding it.</p> <ul style="list-style-type: none"> ● I can use keywords and phrases from a question to look for information 	
<p>ISTE NETS - Digital Citizen - Legal and ethical behavior, Internet Safety, Cyber Bullying, Social Web2.0 collaborative content, digital literacy, cultural understanding and global awareness.</p>	<p>Digital Citizenship</p> <ul style="list-style-type: none"> ● Technology and Daily Life <ul style="list-style-type: none"> ○ Recognize a balance between a healthy lifestyle and technology use ● Ethical, Legal and Safety Issues <ul style="list-style-type: none"> ○ Understand and follow the acceptable use policy ○ Use technology to support learning and collaboration ○ Recognize responsible, proper, and safe use of technology ● Digital Safety <ul style="list-style-type: none"> ○ Discuss digital safety ○ Discuss digital privacy 	<ul style="list-style-type: none"> ● I can recognize and discuss why there are rules for using technology at home and at school ● I can understand and follow the Acceptable Use Policy (AUP) ● I can discuss why it may be dangerous to visit certain websites ● I can be good digital citizen and practice good netiquette ● I understand regulation of screen time ● I can understand how and why to protect my privacy online. ● I can discuss copyright laws and citing sources, plagiarism. 	<p>NetSmartz Internet Safety Commonsense Media Educators iKeepSafe Computer Ergonomics</p>

<p>ISTE NETS - Innovative Designer & Computational Thinker Solve real world problems for a specific audience by using creative and critical thinking skills to plan and conduct research; manage projects; evaluate the process; and reflect on the outcome, produce original work.</p>	<p>5.0 Solution Fluency</p> <ul style="list-style-type: none"> • Google Sites • Presentations - Keynote/Google Slides • Spreadsheets • Word Processing Tools • Google Drive 	<ul style="list-style-type: none"> • I can choose and discuss the best tool to create original work <p><u>Google Sites</u></p> <ul style="list-style-type: none"> • I can create a website • I can add individual pages to a website • I can choose the layout of a website • I can search and insert notes and pictures • I can edit and format text and pictures • I can share the website appropriately. • <p><u>Presentations:</u></p> <ul style="list-style-type: none"> • I can create a presentation or open/close a presentation using a template and name it • I can add, rearrange & delete slides • I can type and format text • I can do animations • I can play slideshow • I can insert, resize graphics, pictures, clipart. • I can talk about my presentation 	<p>Comic Strip Creator Libreoffice Word Document Microsoft Word Google Sheets Libreoffice Calc Spreadsheet Microsoft Office Excel Keynote Google Slides Microsoft Powerpoint Google Sites</p> <p>Typing Club www.typingclub.com</p> <p>Typing Speed Check http://www.freetypinggame.net/play4.asp</p> <p>Google Classroom https://www.common sense.org/education/lesson-plans/is-it-the-same-or-different-withmathican</p> <ul style="list-style-type: none"> • discuss the shapes in a figure and use google classroom for a project • research essay collaborating with partners.
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Spreadsheets:

- I can start a new document and name it
- I can open, save and close files
- I can select a cell
- I can enter data in a cell
- I can format cells and data
 - Font size
 - Font type
 - Color
- I can create a basic graph
- I can create a table
- I can do basic formulas- addition, subtraction, division, multiplication

Word Processing & Typing

- I can start a new document and name it
- I can type and change
 - font size , type & effects
 - Color
 - Word wrap
 - Margins
- I can print a document
- I can type using 2 hands
- I can type / enter letters and numbers to type sentences.

		<ul style="list-style-type: none">• I can recognize and use icons to perform.• Typing Speed - 25 wpm <p>Google Drive</p> <ul style="list-style-type: none">• I can create folders on Google Drive• I can understand the importance of Folder Organization• I can understand the importance of naming files and folders to stay organized• I can use Google Drive to collaboratively edit a document <p>Google Classroom</p> <ul style="list-style-type: none">• I can collaborate online and complete projects	
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Fifth Grade

ISTE Standards	Big Idea	I Can Statements	Resource Examples
<p>ISTE NETS - Empowered Learner Use technology to set goals, demonstrate learning through the use of technology. concepts, systems, and operations.</p>	<p>OS X Basics Technology concepts, systems, and operations</p> <ul style="list-style-type: none"> ● Identify computer components ● Use keyboard to type letters and numbers and know how to use special key functions ● Use the mouse to perform computer functions ● Recognize icons to open applications and perform basic computer functions 	<ul style="list-style-type: none"> ● I can power on and off the computer ● I can log on and off the computer. ● I can open, maximize, minimize and close applications ● I can open, save and close files/documents ● I can print documents ● I can identify parts of a computer <ul style="list-style-type: none"> ○ computer (CPU) ○ monitor ○ mouse/trackpad ○ keyboard ○ CD/DVD drive ○ printer ○ headphones ○ speakers ● I can use input device (e.g., mouse) <ul style="list-style-type: none"> ○ point ○ select/click or double-click ○ click/select and hold ○ drag and drop 	<p>Mousing Around http://minimouse.us/</p> <p>Mouse Games http://www.abcya.com/blue_box.htm</p> <p>Computer Terminology slideshow</p> <p>“Simon Says” Windows manipulation game</p>

		<ul style="list-style-type: none">● I can recognize and use icons to perform computer and software functions● I can use special function keys<ul style="list-style-type: none">○ delete○ shift - Capital Letters/Punctuation○ arrow keys○ space○ return/enter○ spacebar● I can use/adjust volume controls● I understand computer terms:<ul style="list-style-type: none">○ Maximize○ Minimize○ Open○ Close○ New○ Save○ Browser○ Program○ Icon● Keyboard Shortcuts<ul style="list-style-type: none">○ Cut○ Copy○ Paste○ Undo○ Save○ New	
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<p>ISTE NETS - Creative Communicator & Global Collaborator Look analytically at media to interpret the real message; Create original communications by aligning the message and audience; Work cooperatively in an online environment to solve problems and create original products, broaden global perspective.</p>	<p>Education Skill Building Activities & Google Earth</p>	<ul style="list-style-type: none"> • I can navigate through the website to learn math concepts, language skills, science concepts, basic coding concepts • I can understand that Google earth is used to explain basic science and geography. Eg: Rotation, Revolution, Location of USA, Virtual Field Trips, Planets & Solar System, Latitude & Longitude 	<p>Introduction to Coding https://scratch.mit.edu/ https://studio.code.org/hoc/1</p> <p>Geography Games http://www.learninggamesforkids.com/geography_games/random_games/flags.html https://smartypins.withgoogle.com/</p> <p>Science Games https://www.nasa.gov/kidsclub/index.html http://glencoe.mheducation.com/sites/0078600499/student_view0/brainpop_movies.html</p> <p>Internet Scavenger Hunts</p> <p>Google Maps www.maps.google.com</p>
<p>ISTE NETS - Knowledge Constructor Students apply digital tools to gather, evaluate, and use information. Ability to find and interpret information in all forms and formats.</p>	<p>Ability to gather and research information online</p>	<ul style="list-style-type: none"> • I understand what is a search engine • I can search for information with the help of an adult • I can understand the difference between fact, untruth and opinion • I can understand 	<p>www.kidrex.com http://www.kiddle.co/</p>

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<p>ISTE NETS - Innovative Designer & Computational Thinker Solve real world problems for a specific audience by using creative and critical thinking skills to plan and conduct research; manage projects; evaluate the process; and reflect on the outcome, produce original work.</p>	<p>5.0 Solution Fluency</p> <ul style="list-style-type: none"> • Paintbrush • Presentations - Keynote/ Google Slides • Spreadsheets • Word Processing Tools • Google Drive 	<ul style="list-style-type: none"> • I can choose and discuss the best tool to create original work <p><u>Paintbrush</u></p> <ul style="list-style-type: none"> • I can use paintbrush to create an original piece of work. <p><u>Presentations:</u></p> <ul style="list-style-type: none"> • I can create a presentation or open/close a presentation using a template & name document • I can add , rearrange & delete slides • I can type and format text • I can do animations • I can play slideshow • I can insert, resize graphics, pictures, clipart. • I can talk about my presentation <p><u>Spreadsheets:</u></p> <ul style="list-style-type: none"> • I can start a new document & name document • I can open, save and close files • I can select a cell • I can enter data in a cell 	<p>Paintbrush Comic Strip Creator Libreoffice Word Document Microsoft Word Google Sheets Libreoffice Calc Spreadsheet Microsoft Office Excel Keynote Google Slides Microsoft Powerpoint</p> <p>Typing Club www.typingclub.com</p> <p>Typing Speed Check http://www.freetypinggame.net/play4.asp</p> <p>Google Classroom https://www.commonsense.org/education/lesson-plans/is-it-the-same-or-different-withmathican</p> <ul style="list-style-type: none"> • discuss the shapes in a figure and use google classroom for a project • research essay collaborating with partners.
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- I can format cells and data
 - Font size
 - Font type
 - Color
- I can create a basic graph
- I can create a table
- I can do basic formulas- addition, subtraction, division, multiplication

Word Processing & Typing

- I can start a new document & name document
- I can type and change
 - font size , type & effects
 - Color
 - Word wrap
 - Margins
- I can print a document and save as PDF.
- I can type using 2 hands
- I can type / enter letters and numbers to type sentences.
- I can recognize and use icons to perform.
- Typing Speed \geq 25 wpm

Google Drive

		<ul style="list-style-type: none">• I can create folders on Google Drive• I can understand the importance of Folder Organization• I can understand the importance of naming files and folders to stay organized• I can use Google Drive to collaboratively edit a document <p><u>Google Classroom</u></p> <ul style="list-style-type: none">• I can use Google Classroom to collaborate and complete projects.	
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Planning Resources

<http://brittanywashburn.blogspot.com/2015/02/technology-i-can-statements-for.html>

Bedford School District

<http://www.e-learningforkids.org/>