

	September	October	November	December	January	February	March	April	May
<b>Kindergarten</b>	Learning How to Login	Learning How to Login	Digital Citizenship	Typing Practice	Google Driver's Permit	February Slides Activity	March Slides Activity	April Slides Activity	Code.org CS Fundamentals Course A
<b>1st</b>	Login Practice Digital Citizenship Lesson 1-9 (Typing Agent)	Typing Practice Typing Agent	Google Driver's Permit	December Slides Activity	January Slides Activity	February Slides Activity	March Slides Activity	April Slides Activity	Code.org CS Fundamentals Course B
<b>2nd</b>	Login Procedure Review Digital Citizenship Lesson 1-9 (Typing Agent)	Typing Practice Typing Agent	Google Driver's Permit	December Slides Activity	January Slides Activity	February Slides Activity	March Slides Activity	April Slides Activity	Code.org CS Fundamentals Course C
<b>3rd</b>	Login Procedure Review Digital Citizenship Lesson 1-9 (Typing Agent)	Typing Practice Typing Agent	Google Driver's Permit	December Slides Activity	Applied Digital Skills Build a Logo to Express Who You Are	Applied Digital Skills Show Appreciation w/Google Slides	Emerging Technology Create an Advertisement	Google Sheets Introduction Activities	Code.org CS Fundamentals Course D
<b>4th</b>	Digital Citizenship Lessons 1-9 (Typing Agent)	Typing Practice Typing Agent	Google Driver's Permit	December Slides Activities	Applied Digital Skills Create a Photo Journal	Applied Digital Skills Create a Presentation "All About a Topic"	Emerging Technology Create an Infographic	Google Sheets Activity	Code.org CS Fundamentals Course E
<b>5th</b>	Digital Citizenship Lessons 1-9 (Typing Agent)	Typing Practice Typing Agent	Google Driver's Permit	December Slides Activities	Applied Digital Skills Write an If-Then Adventure Story	Applied Digital Skills Build a Portfolio	Applied Digital Skills Discover AI in Daily Life	Google Sheets Activity	Code.org CS Fundamentals Course F
	Week 1 A	Week 2 B	Week 3 A	Week 4 B	Week 5 A	Week 6 B	Week 7 A	Week 8 B	Week 9 A
<b>6th</b>	Common Sense Media Digital Citizenship	Typing Practice & Code.org CS Fundamentals Express Course	Driver's License Google Slides Activity w/Computer Parts Added	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Write a Story Using Emojis	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Ask for Feedback	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Identifying Cyberbullying
<b>7th</b>	Common Sense Media Digital Citizenship	Typing Practice & Code.org CS Fundamentals Express Course	Driver's License Google Slides Activity w/Computer Parts Added	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Create a Vision Board	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Ask for Feedback	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Avoid Online Scams
<b>8th</b>	Common Sense Media Digital Citizenship	Typing Practice & Code.org CS Fundamentals Express Course	Driver's License Google Slides Activity w/Computer Parts Added	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Create an Animation in Google Slides	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Ask for Feedback	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Understanding Your Digital Footprint
	Week 10 B	Week 11 A	Week 12 B	Week 13 A	Week 14 B	Week 15 A	Week 16	Week 17	Week 18
<b>6th</b>	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Create a Scrapbook	Typing Practice & Code.org CS Fundamentals Express Course	IBM Learning Cloud Computing	Applied Digital Skills Create a Crossword Puzzle	Typing Practice & Code.org CS Fundamentals Express Course	Typing Practice & Code.org CS Fundamentals Express Course	TinkerCAD Starter Lessons	TinkerCAD Build a TinkerCAD House Project
<b>7th</b>	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Create a Photo Journal	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Discover AI in Daily Life	Applied Digital Skills Manage Your Time w/Google Sheets	Typing Practice & Code.org CS Fundamentals Express Course	Typing Practice & Code.org CS Fundamentals Express Course	TinkerCAD Starter Lessons Review	TinkerCAD Create an Alien
<b>8th</b>	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Create a Meme in Google Drawings	Typing Practice & Code.org CS Fundamentals Express Course	Applied Digital Skills Design an Infographic - Emerging Technology	Applied Digital Skills Calculate Probability w/Google Sheets	Typing Practice & Code.org CS Fundamentals Express Course	Typing Practice & Code.org CS Fundamentals Express Course	TinkerCAD Starter Lessons Review	TinkerCAD Create a Spaceship

Kindergarten						
Month	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
September and October	Learning How to Login	-Computer lab and library procedures -Basic computer functions -Logging in and password security	<b>K-2.CS.03-</b> Describe basic hardware and software problems using accurate terminology. <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.2-</b> Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4-</b> Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.6-</b> Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.). <b>CL.BOCK.15-</b> Understand all rules and guidelines in the school's Acceptable Use Policy <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.DMS.2-</b> Use passwords/passphrases to secure individual devices.		
November	Digital Citizenship	-Common Sense Media Kindergarten Lessons	<b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.17-</b> Work respectfully and responsibly with others online. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.DMS.10-</b> Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint. <b>CL.DMS.11-</b> Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).		
November and December	Typing Practice	-Accessing Typing Agent -Introduction to touch typing	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use.	<b>CL.BOCK.9-</b> Use proper posture and ergonomics while using a computing device, including hand held devices. <b>CL.BOCK.10-</b> Locate and use the correct finger/hand for the space bar, return/enter, and shift key. <b>CL.BOCK.11-</b> Locate and use letter and number keys with correct left and right hand placement (home row).		
January	Google Driver's Permit	-Accessing Google Classroom -Accessing Google Classroom assignments -Using the mouse and tracking the pointer on the screen -Drag and Drop mouse skills	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use. <b>K-2.CS.03-</b> Describe basic hardware and software problems using accurate terminology.	<b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.MSACT.9-</b> Use selection tools to copy, paste, move, and modify work.		
February	February Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math	<b>K-2.DA.05-</b> Store, copy, search, retrieve, modify, and delete information using a computing device and define the information stored as data. <b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.	<b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages.		
March	March Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math -Identify computer hardware -Logging and password review activity	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use. <b>K-2.CS.02-</b> Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware). <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages.		
April	April Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math -Identify computer hardware	<b>K-2.DA.05-</b> Store, copy, search, retrieve, modify, and delete information using a computing device and define the information stored as data. <b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages.		
May	Code.org CS Fundamentals Course A	-Students will learn to program using commands like loops and events. -Collaborate with others -Investigate different problem-solving techniques -Internet safety and digital citizenship	<b>K-2.AP.08-</b> Model daily processes by creating and following algorithms (sets of step-by-step instructions) to complete tasks. <b>K-2.AP.10-</b> Develop programs with sequences and simple loops, to express ideas or address a problem. <b>K-2.AP.11-</b> Decompose (break down) the steps needed to solve a problem into precise sequence of instructions. <b>K-2.AP.14-</b> Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops. <b>K-2.AP.15-</b> Using correct terminology, describe steps taken and choices made during the iterative process of program development. <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.17-</b> Work respectfully and responsibly with others online.	<b>CL.DMS.10-</b> Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint. <b>CL.DMS.11-</b> Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms). <b>CL.ISOD.10-</b> Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.		

First Grade						
Month	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
September	Login Practice Digital Citizenship Lesson 1-9 (Typing Agent)	-Computer lab and library procedures -Basic computer functions -Logging in and password security -Internet safety and digital citizenship	<b>K-2.CS.03-</b> Describe basic hardware and software problems using accurate terminology. <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.17-</b> Work respectfully and responsibly with others online. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.2-</b> Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4-</b> Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.6-</b> Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.). <b>CL.BOCK.15-</b> Understand all rules and guidelines in the school's Acceptable Use Policy <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.DMS.2-</b> Use passwords/passphrases to secure individual devices. <b>CL.DMS.4-</b> Keep passwords confidential and follow appropriate procedures if a password is compromised. <b>CL.DMS.10-</b> Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint. <b>CL.DMS.11-</b> Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).		
October	Typing Practice	-Accessing Typing Agent -Introduction to touch typing	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use.	<b>CL.BOCK.9-</b> Use proper posture and ergonomics while using a computing device, including hand held devices. <b>CL.BOCK.10-</b> Locate and use the correct finger/hand for the space bar, return/enter, and shift key. <b>CL.BOCK.11-</b> Locate and use letter and number keys with correct left and right hand placement (home row). <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices.		
November	Google Driver's Permit	-Accessing Google Classroom -Accessing Google Classroom assignments -Using the mouse and tracking the pointer on the screen -Drag and Drop mouse skills -Copy and Paste	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use.	<b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.5-</b> Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete, etc.). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.MSACT.9-</b> Use selection tools to copy, paste, move, and modify work.		
December	December Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math -Identify computer hardware -Logging and password review activity	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use. <b>K-2.CS.02-</b> Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware). <b>K-2.CS.03-</b> Describe basic hardware and software problems using accurate terminology. <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages.		
January	January Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math -Identify computer hardware	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use. <b>K-2.CS.02-</b> Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware). <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages.		
February	February Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math	<b>K-2.DA.05-</b> Store, copy, search, retrieve, modify, and delete information using a computing device and define the information stored as data. <b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.	<b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages.		

March	March Slides Activity	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Drag and Drop mouse skills to complete phonics and math activities</li> <li>-Identify computer hardware</li> <li>-Logging and password review activity</li> </ul>	<p><b>K-2.CS.01</b>-Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.</p> <p><b>K-2.CS.02</b>-Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware).</p> <p><b>K-2.NI.04</b>-Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access.</p> <p><b>K-2.IC.18</b>-Keep login information private and log off of devices appropriately.</p>	<p><b>CL.BOCK.1</b>-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source)</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p>	
April	April Slides Activity	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Drag and Drop mouse skills to complete phonics and math activities</li> <li>-Use tools to create a design</li> </ul>	<p><b>K-2.DA.05</b>- Store, copy, search, retrieve, modify, and delete information using a computing device and define the information stored as data.</p> <p><b>K-2.DA.06</b>-Collect and present the same data in various visual formats.</p> <p><b>K-2.DA.07</b>-Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.</p> <p><b>K-2.CS.01</b>-Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.</p>	<p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.4</b>-Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and eraser</p> <p><b>CL.MSACT.7</b>- Use color palette/color wheel to change tool color</p> <p><b>CL.MSACT.10</b>-Use text tools to add features to artwork</p>	
May	Code.org CS Fundamentals Course B	<ul style="list-style-type: none"> <li>-Students will learn to program using commands like loops and events.</li> <li>-Collaborate with others</li> <li>-Investigate different problem-solving techniques</li> <li>-Internet safety and digital citizenship</li> </ul>	<p><b>K-2.AP.08</b>- Model daily processes by creating and following algorithms (sets of step-by-step instructions) to complete tasks.</p> <p><b>K-2.AP.10</b>- Develop programs with sequences and simple loops, to express ideas or address a problem.</p> <p><b>K-2.AP.11</b>-Decompose (break down) the steps needed to solve a problem into precise sequence of instructions.</p> <p><b>K-2.AP.14</b>-Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.</p> <p><b>K-2.AP.15</b>-Using correct terminology, describe steps taken and choices made during the iterative process of program development.</p> <p><b>K-2.NI.04</b>-Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access.</p> <p><b>K-2.IC.17</b>-Work respectfully and responsibly with others online.</p>	<p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p> <p><b>CL.ISOD.10</b>-Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.</p>	

Second Grade						
Month	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
September	Login Procedure Review Digital Citizenship Lesson 1-9 (Typing Agent)	-Computer lab and library procedures -Basic computer functions -Logging in and password security -Internet safety and digital citizenship	<b>K-2.CS.03-</b> Describe basic hardware and software problems using accurate terminology. <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.17-</b> Work respectfully and responsibly with others online. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.2-</b> Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4-</b> Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.6-</b> Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.). <b>CL.BOCK.15-</b> Understand all rules and guidelines in the school's Acceptable Use Policy <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.DMS.2-</b> Use passwords/passphrases to secure individual devices. <b>CL.DMS.4-</b> Keep passwords confidential and follow appropriate procedures if a password is compromised. <b>CL.DMS.10-</b> Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint. <b>CL.DMS.11-</b> Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).		
October	Typing Practice	-Accessing Typing Agent -Introduction to touch typing	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use.	<b>CL.BOCK.4-</b> Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.9-</b> Use proper posture and ergonomics while using a computing device, including hand held devices. <b>CL.BOCK.10-</b> Locate and use the correct finger/hand for the space bar, return/enter, and shift key. <b>CL.BOCK.11-</b> Locate and use letter and number keys with correct left and right hand placement (home row). <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices.		
November	Google Driver's Permit	-Accessing Google Classroom -Accessing Google Classroom assignments -Using the mouse and tracking the pointer on the screen -Drag and Drop mouse skills -Copy and Paste	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use.	<b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4-</b> Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.5-</b> Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete, etc.). <b>CL.BOCK.17-</b> Demonstrate understanding of the difference between cloud computing vs. software applications for file storage/management. <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.MSACT.9-</b> Use selection tools to copy, paste, move, and modify work.		
December	December Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math activities -Develop a repeating pattern -Color coding a picture based a chart -Use shape tools -Identify computer hardware -Logging and password review activity	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use. <b>K-2.CS.02-</b> Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware). <b>K-2.CS.03-</b> Describe basic hardware and software problems using accurate terminology. <b>K-2.DA.06-</b> Collect and present the same data in various visual formats <b>K-2.DA.07-</b> Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions. <b>K-2.NI.04-</b> Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access. <b>K-2.IC.18-</b> Keep login information private and log off of devices appropriately.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4-</b> Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1-</b> Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages. <b>CL.MSACT.6-</b> Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and eraser. <b>CL.MSACT.7-</b> Use color palette/color wheel to change tool color.		
January	January Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math activities -Color coding a picture based a chart -Use shape tools -Identify computer hardware -Use Hexadecimal coding	<b>K-2.CS.01-</b> Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use. <b>K-2.DA.06-</b> Collect and present the same data in various visual formats <b>K-2.DA.07-</b> Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.	<b>CL.BOCK.1-</b> Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) <b>CL.BOCK.3-</b> Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4-</b> Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.14-</b> Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). <b>CL.BOCK.18-</b> Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.ISOD.1-</b> Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2-</b> Use tab browsing to navigate multiple pages. <b>CL.MSACT.6-</b> Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. <b>CL.MSACT.7-</b> Use color palette/color wheel to change tool color. <b>CL.MSACT.9-</b> Use selection tools to copy, paste, move, and modify work.		

February	February Slides Activity	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Drag and Drop mouse skills to complete reading and writing activities</li> <li>-Color coding a picture based a chart</li> <li>-Use shape tools and layering to create an image</li> <li>-Use Hexadecimal coding</li> </ul>	<p><b>K-2.CS.01</b>-Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.</p> <p><b>K-2.DA.06</b>-Collect and present the same data in various visual formats</p> <p><b>K-2.DA.07</b>-Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.</p>	<p><b>CL.BOCK.1</b>-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source)</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
March	March Slides Activity	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Drag and Drop mouse skills to complete reading and writing activities</li> <li>-Color coding a picture based a chart</li> <li>-Use shape tools and layering to create an image</li> <li>-Use Hexadecimal coding</li> </ul>	<p><b>K-2.CS.01</b>-Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.</p> <p><b>K-2.DA.06</b>-Collect and present the same data in various visual formats</p> <p><b>K-2.DA.07</b>-Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.</p>	<p><b>CL.BOCK.1</b>-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source)</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
April	April Slides Activity	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Identifying hardware vs. software</li> <li>-Drag and Drop mouse skills to complete reading and writing activities</li> <li>-Color coding a picture based a chart</li> <li>-Use shape tools and layering to create an image</li> <li>-Binary coding</li> <li>-Use Hexadecimal coding</li> </ul>	<p><b>K-2.CS.01</b>-Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for technology use.</p> <p><b>K-2.CS.02</b>-Use appropriate terminology in identifying and describing the function of common physical components of computing systems (hardware).</p> <p><b>K-3.CS.03</b>- Describe basic hardware and software problems using accurate terminology.</p> <p><b>K-2.DA.06</b>-Collect and present the same data in various visual formats</p> <p><b>K-2.DA.07</b>-Identify and describe patterns in data visualizations, such as charts or graphs, to make predictions.</p>	<p><b>CL.BOCK.1</b>-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source)</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
May	Code.org CS Fundamentals Course C	<ul style="list-style-type: none"> <li>-Students will learn to program using commands like loops and events.</li> <li>-Collaborate with others</li> <li>-Investigate different problem-solving techniques</li> <li>-Internet safety and digital citizenship</li> </ul>	<p><b>K-2.AP.08</b>- Model daily processes by creating and following algorithms (sets of step-by-step instructions) to complete tasks.</p> <p><b>K-2.AP.10</b>- Develop programs with sequences and simple loops, to express ideas or address a problem.</p> <p><b>K-2.AP.11</b>-Decompose (break down) the steps needed to solve a problem into precise sequence of instructions.</p> <p><b>K-2.AP.14</b>-Debug (identify and fix) errors in an algorithm or program that includes sequences and simple loops.</p> <p><b>K-2.AP.15</b>-Using correct terminology, describe steps taken and choices made during the iterative process of program development.</p> <p><b>K-2.NI.04</b>-Explain what passwords are and why we use them and use strong passwords to protect devices and information from unauthorized access.</p> <p><b>K-2.IC.17</b>-Work respectfully and responsibly with others online.</p>	<p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p> <p><b>CL.ISOD.10</b>-Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.</p>		



Third Grade						
Month	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
September	Login Procedure Review Digital Citizenship Lesson 1-9 (Typing Agent)	-Computer lab and library procedures -Basic computer functions -Logging in and password security -Internet safety and digital citizenship	3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems. 3-5.NI.05 - Discuss real world cyber security problems and how personal information can be protected.	CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.6- Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.). CL.BOCK.15- Understand all rules and guidelines in the school's Acceptable Use Policy CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.DMS.2-Use passwords/passphrases to secure individual devices. CL.DMS.4-Keep passwords confidential and follow appropriate procedures if a password is compromised. CL.DMS.10-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint. CL.DMS.11-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).		
October	Typing Practice Typing Agent	-Accessing Typing Agent -Reinforcement of touch typing skills	K-2.CS.01- Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems.	CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.9-Use proper posture and ergonomics while using a computing device, including hand held devices. CL.BOCK.10-Locate and use the correct finger/hand for the space bar, return/enter, and shift key. CL.BOCK.11-Locate and use letter and number keys with correct left and right hand placement (home row). CL.DMS.1-Protect accounts by logging out of applications on shared computing devices.		
November	Google Driver's Permit	-Accessing Google Classroom -Accessing Google Classroom assignments -Using the mouse and tracking the pointer on the screen -Drag and Drop mouse skills -Copy and Paste -Drawing and formatting text boxes. -Formatting text and alignment -Resizing images -Identifying computer hardware and software	3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems. 3-5.CS.03 - Determine potential solutions to solve simple hardware and software problems using common troubleshooting strategies.	CL.BOCK.1-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.5-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.). CL.BOCK.17-Demonstrate understanding of the difference between cloud computing vs. software applications for file storage/management. CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services. CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.MSACT.9- Use selection tools to copy, paste, move, and modify work.		
December	December Slides Activity	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math activities -Develop a repeating pattern -Color coding a picture based chart -Use shape tools	3-5.DA.06 - Organize and present collected data visually to highlight relationships and support a claim. 3-5.DA.07 - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate and idea.	CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.14-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services. CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.ISOD.1-Use refresh, forward, and back buttons to navigate a web browser. CL.MSACT.6-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. CL.MSACT.9-Use selection tools to copy, paste, move, and modify work. CL.MSACT.10 - Use text tools to add text features to artwork.		
January	Applied Digital Skills Build a Logo to Express Who You Are	-Accessing Google Classroom -Accessing Google Classroom assignments -Drawing and formatting text boxes. -Formatting text and alignment -Drawing and formatting shapes -Inserting text into drawings	3-5.DA.06 - Organize and present collected data visually to highlight relationships and support a claim. 3-5.DA.07 - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate and idea. 3-5.IC.21 - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.	CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.5-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.). CL.BOCK.14-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). CL.BOCK.16-Understand Fair Use guidelines and their application to all forms of work. CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services. CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.ISOD.1-Use refresh, forward, and back buttons to navigate a web browser. CL.ISOD.2-Use tab browsing to navigate multiple pages. CL.ISOD.9-Conduct and image search. CL.MSACT.4 - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files. CL.MSACT.6-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. CL.MSACT.7-Use color palette/color wheel to change tool color. CL.MSACT.9-Use selection tools to copy, paste, move, and modify work. CL.MSACT.10 - Use text tools to add text features to artwork.		

<b>February</b>	<b>Applied Digital Skills Show Appreciation w/Google Slides</b>	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Creating presentation in Google Slides</li> <li>-Selecting appropriate theme and layout</li> <li>-Drawing and formatting text boxes.</li> <li>-Formatting text and alignment</li> <li>-Inserting and formatting images</li> <li>-Understanding slide show vs. presentation modes</li> </ul>	<b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.	<b>CL.BOCK.2</b> -Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3</b> -Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4</b> -Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.18</b> -Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.BOCK.22</b> -Retrieve file versions/access revision history for files located in cloud services. <b>CL.DMS.1</b> -Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.1</b> -Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2</b> -Use tab browsing to navigate multiple pages. <b>CL.ISOD.9</b> -Conduct and image search. <b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files. <b>CL.MSACT.5</b> -Copy/paste, import, and embed songs, videos, hyperlinks, or other media on a multimedia presentation or document. <b>CL.MSACT.6</b> -Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. <b>CL.MSACT.7</b> -Use color palette/color wheel to change tool color. <b>CL.MSACT.9</b> -Use selection tools to copy, paste, move, and modify work. <b>CL.MSACT.10</b> - Use text tools to add text features to artwork.		
<b>March</b>	<b>Emerging Technology Create an Advertisement</b>	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using Google Slides to create an artifact</li> <li>-Communicate information in a visual format</li> <li>-Formatting background and layout</li> <li>-Drawing and formatting text boxes.</li> <li>-Formatting text and alignment</li> <li>-Inserting and formatting images</li> <li>-Conducting research using keywords</li> </ul>	<b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission. <b>3-5.ETA</b> - Explain that the field of emerging technologies will be evolving and rapidly growing. <b>3-5.ETC</b> - Describe how emerging technologies are influencing current events at a local and global scale. <b>3-5.ETD</b> - Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.	<b>CL.BOCK.2</b> -Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3</b> -Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4</b> -Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.16</b> -Understand Fair Use guidelines and their application to all forms of work. <b>CL.BOCK.18</b> -Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.BOCK.22</b> -Retrieve file versions/access revision history for files located in cloud services. <b>CL.DMS.1</b> -Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.1</b> -Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2</b> -Use tab browsing to navigate multiple pages. <b>CL.ISOD.4</b> -Locate the URL of a website and identify the characteristics of different domains. <b>CL.ISOD.5</b> -Use browser search tools and advanced features to find information. <b>CL.ISOD.7</b> -Exercise click restraint (scan results before clicking on first or early search results). <b>CL.ISOD.9</b> -Conduct an image search. <b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files. <b>CL.MSACT.6</b> -Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. <b>CL.MSACT.7</b> -Use color palette/color wheel to change tool color. <b>CL.MSACT.9</b> -Use selection tools to copy, paste, move, and modify work. <b>CL.MSACT.10</b> - Use text tools to add text features to artwork.		
<b>April</b>	<b>Google Sheets Introduction Activities</b>	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using Google Sheets to communicate information</li> <li>-Insert information into cells</li> <li>-Adjust column and row size</li> <li>-Format cells</li> <li>-Create a chart</li> <li>-Utilize formulas</li> </ul>	<b>3-5.DA.06</b> - Organize and present collected data visually to highlight relationships and support a claim. <b>3-5.DA.07</b> - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate an idea. <b>3-5.IC.18</b> - Discuss computing technologies that have changed the world and express how those technologies influence, and are influenced by, cultural practices.	<b>CL.BOCK.2</b> -Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3</b> -Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4</b> -Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.5</b> - Use shortcuts and command functions to operate the computer or applications. <b>CL.BOCK.14</b> - Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information. <b>CL.BOCK.18</b> -Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.BOCK.22</b> -Retrieve file versions/access revision history for files located in cloud services. <b>CL.DMS.1</b> -Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.1</b> -Use refresh, forward, and back buttons to navigate a web browser. <b>CL.ISOD.2</b> -Use tab browsing to navigate multiple pages. <b>CL.ISOD.7</b> -Exercise click restraint (scan results before clicking on first or early search results). <b>CL.ISOD.10</b> - Use digital tools, search engines, and video sites to determine how to perform an unfamiliar or unknown task. <b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files. <b>CL.MSACT.7</b> -Use color palette/color wheel to change tool color. <b>CL.MSACT.8</b> - Use advanced color editing tools, such as RGB, HEX codes, and eyedropper, to change to a color. <b>CL.MSACT.9</b> -Use selection tools to copy, paste, move, and modify work.		



May	Code.org CS Fundamentals Course D	<p>-Students will learn to program using commands like loops and events.</p> <p>-Utilize sequencing to create commands</p> <p>-Collaborate with others</p> <p>-Investigate different problem-solving techniques</p> <p>-Internet safety and digital citizenship</p>	<p><b>3-5.AP.08</b> - Compare and refine multiple algorithms for the same task and determine which is the most appropriate.</p> <p><b>3-5.AP.09</b> - Create programs that use variables to store and modify data.</p> <p><b>3-5.AP.10</b> - Create programs that include sequences, events, loops, and conditionals.</p> <p><b>3-5.AP.11</b> - Decompose (breakdown) problems into smaller, manageable sub-problems to facilitate the program development process.</p> <p><b>3-5.AP.12</b> - Modify, remix, or incorporate portions of an existing program into one's own work, to develop something new or add more advanced features.</p> <p><b>3-5.AP.13</b> - Use an iterative process to plan the development of a program by including others' perspective and considering user preferences.</p> <p><b>3-5.AP.15</b> - Test and debug (identify and fix errors) a program or algorithm to insure it runs as intended.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.16</b>-Understand Fair Use guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.4</b>-Locate the URL of a website and identify the characteristics of different domains.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p> <p><b>CL.MSACT.10</b> - Use text tools to add text features to artwork.</p>		
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Fourth Grade						
Month	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
September	Digital Citizenship (Typing Agent Lessons 1-24)	-Computer lab and library procedures -Basic computer functions -Logging in and password security -Internet safety and digital citizenship	3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems. 3-5.NI.05 - Discuss real world cyber security problems and how personal information can be protected.	CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.6- Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.). CL.BOCK.15- Understand all rules and guidelines in the school's Acceptable Use Policy CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.DMS.2-Use passwords/passphrases to secure individual devices. CL.DMS.4-Keep passwords confidential and follow appropriate procedures if a password is compromised. CL.DMS.10-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint. CL.DMS.11-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).		
October	Typing Practice Typing Agent	-Accessing Typing Agent -Reinforcement of touch typing skills	K-2.CS.01- Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems.	CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.9-Use proper posture and ergonomics while using a computing device, including hand held devices. CL.BOCK.10-Locate and use the correct finger/hand for the space bar, return/enter, and shift key. CL.BOCK.11-Locate and use letter and number keys with correct left and right hand placement (home row). CL.DMS.1-Protect accounts by logging out of applications on shared computing devices.		
November	Google Driver's Permit	-Accessing Google Classroom -Accessing Google Classroom assignments -Using the mouse and tracking the pointer on the screen -Drag and Drop mouse skills -Copy and Paste -Drawing and formatting text boxes. -Formatting text and alignment -Resizing images -Creating a list using bullets -Identifying computer hardware and software	3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems. 3-5.CS.03 - Determine potential solutions to solve simple hardware and software problems using common troubleshooting strategies.	CL.BOCK.1-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.5-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.). CL.BOCK.17-Demonstrate understanding of the difference between cloud computing vs. software applications for file storage/management. CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services. CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.MSACT.1-Use digital services to capture multimedia (e.g.,audio, video, and photo). CL.MSACT.9- Use selection tools to copy, paste, move, and modify work.		
December	December Slides Activities	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math activities -Develop a repeating pattern -Color coding a picture based a chart -Use shape tools -Identify computer hardware -Logging and password review activity	3-5.DA.06 - Organize and present collected data visually to highlight relationships and support a claim. 3-5.DA.07 - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate an idea. 3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems.	CL.BOCK.1-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.14-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services. CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.ISOD.1-Use refresh, forward, and back buttons to navigate a web browser. CL.MSACT.6-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. CL.MSACT.9-Use selection tools to copy, paste, move, and modify work.		
January	Applied Digital Skills Create a Photo Journal	-Create a table of content with links -Search the Internet for images -Insert an image -Crop, edit, and format an image -Format line spacing, text styles, and headings -Insert a page break	3-5.DA.06 - Organize and present collected data visually to highlight relationships and support a claim. 3-5.IC.21 - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.	CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.16-Understand Fair Use guidelines and their application to all forms of work. CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services. CL.ISOD.9-Conduct and image search. CL.MSACT.4 - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files. CL.MSACT.6-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. CL.MSACT.7-Use color palette/color wheel to change tool color. CL.MSACT.9-Use selection tools to copy, paste, move, and modify work.		

February	Applied Digital Skills Create a Presentation "All About a Topic"	<ul style="list-style-type: none"> <li>-Create a new presentation in Google Slides</li> <li>-Format theme and slide layout</li> <li>-Organize slides in a presentation</li> <li>-Insert and format images</li> <li>-Format text (color, font, size)</li> <li>-Insert and format text boxes</li> <li>-Add animations and transitions</li> <li>-Preview in "present" mode</li> <li>-Research a selected topic using keywords</li> </ul>	<p><b>3-5.DA.06</b> - Organize and present collected data visually to highlight relationships and support a claim.</p> <p><b>3-5.DA.07</b> - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate and idea.</p> <p><b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.4</b>-Locate the URL of a website and identify the characteristics of different domains.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
March	Emerging Technology Create an Infographic	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using Google Slides to create an artifact</li> <li>-Communicate information in a visual format</li> <li>-Formatting background and layout</li> <li>-Drawing and formatting text boxes.</li> <li>-Formatting text and alignment</li> <li>-Inserting and formatting images</li> <li>-Conducting research using keywords</li> </ul>	<p><b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.</p> <p><b>3-5.ET.A</b> - Explain that the field of emerging technologies will be evolving and rapidly growing.</p> <p><b>3-5.ET.C</b> - Describe how emerging technologies are influencing current events at a local and global scale.</p> <p><b>3-5.ET.D</b> - Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.4</b>-Locate the URL of a website and identify the characteristics of different domains.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
April	Google Sheets Swing Set Fundraiser Science Grade Graphing	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using Google Sheets to communicate information</li> <li>-Insert information into cells</li> <li>-Format cells</li> <li>-Adjust column and row size</li> <li>-Utilize formulas</li> <li>-Sorting data</li> <li>-Create a chart</li> </ul>	<p><b>3-5.DA.06</b> - Organize and present collected data visually to highlight relationships and support a claim.</p> <p><b>3-5.DA.07</b> - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate and idea.</p> <p><b>3-5.IC.18</b> - Discuss computing technologies that have changed the world and express how those technologies influence, and are influenced by, cultural practices.</p> <p><b>3-5.IC.18</b> - Discuss computing technologies that have changed the world and express how those technologies influence, and are influenced by, cultural practices.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>- Use shortcuts and command functions to operate the computer or applications.</p> <p><b>CL.BOCK.14</b>- Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.10</b>- Use digital tools, search engines, and video sites to determine how to perform an unfamiliar or unknown task.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		

May	Code.org CS Fundamentals Course E	<ul style="list-style-type: none"> <li>-Students will learn to program using commands like loops, nested loops, functions, and conditionals.</li> <li>-Utilize sequencing to create commands</li> <li>-Collaborate with others</li> <li>-Investigate different problem-solving techniques</li> <li>-Internet safety and digital citizenship</li> <li>-Describe the impact of mobile apps on the modern world.</li> <li>-Explain why accessibility is an important part of designing an app for users.</li> <li>-Improve upon an existing app design by addressing the accessibility needs of users.</li> </ul>	<p><b>3-5.AP.08</b> - Compare and refine multiple algorithms for the same task and determine which is the most appropriate.</p> <p><b>3-5.AP.09</b> - Create programs that use variables to store and modify data.</p> <p><b>3-5.AP.10</b> - Create programs that include sequences, events, loops, and conditionals.</p> <p><b>3-5.AP.11</b> - Decompose (breakdown) problems into smaller, manageable sub-problems to facilitate the program development process.</p> <p><b>3-5.AP.12</b> - Modify, remix, or incorporate portions of an existing program into one's own work, to develop something new or add more advanced features.</p> <p><b>3-5.AP.13</b> - Use an iterative process to plan the development of a program by including others' perspective and considering user preferences.</p> <p><b>3-5.AP.15</b> - Test and debug (identify and fix errors) a program or algorithm to insure it runs as intended.</p> <p><b>3-5.IC.19</b> - Brainstorm ways to improve the accessibility and usability of technology products for the diverse needs and wants of users.</p>	<p><b>CL.BOCK.7</b>-Locate and utilize accessibility features.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p> <p><b>CL.ISOD.10</b>-Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.</p>		
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Fifth Grade						
Month	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
September	Digital Citizenship (Typing Agent Lessons 1-24)	-Computer lab and library procedures -Basic computer functions -Logging in and password security -Internet safety and digital citizenship	3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems. 3-5.NI.05 - Discuss real world cyber security problems and how personal information can be protected.	CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.6- Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.). CL.BOCK.15- Understand all rules and guidelines in the school's Acceptable Use Policy CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.DMS.2-Use passwords/passphrases to secure individual devices. CL.DMS.4-Keep passwords confidential and follow appropriate procedures if a password is compromised. CL.DMS.10-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint. CL.DMS.11-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).		
October	Typing Practice Typing Agent	-Accessing Typing Agent -Reinforcement of touch typing skills	K-2.CS.01- Select and operate appropriate software to perform a variety of tasks and recognize that users have different needs and preferences for the technology they use. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems.	CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.9-Use proper posture and ergonomics while using a computing device, including hand held devices. CL.BOCK.10-Locate and use the correct finger/hand for the space bar, return/enter, and shift key. CL.BOCK.11-Locate and use letter and number keys with correct left and right hand placement (home row). CL.DMS.1-Protect accounts by logging out of applications on shared computing devices.		
November	Google Driver's Permit	-Accessing Google Classroom -Accessing Google Classroom assignments -Using the mouse and tracking the pointer on the screen -Drag and Drop mouse skills -Copy and Paste -Drawing and formatting text boxes. -Formatting text and alignment -Resizing, cropping and formatting images -Creating a list using bullets -Identifying computer hardware and software	3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems. 3-5.CS.03 - Determine potential solutions to solve simple hardware and software problems using common troubleshooting strategies.	CL.BOCK.1-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.5-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.). CL.BOCK.17-Demonstrate understanding of the difference between cloud computing vs. software applications for file storage/management. CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services. CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.MSACT.1-Use digital services to capture multimedia (e.g.,audio, video, and photo). CL.MSACT.4 - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files. CL.MSACT.7-Use color palette/color wheel to change tool color. CL.MSACT.9- Use selection tools to copy, paste, move, and modify work.		
December	December Google Slides Activities	-Accessing Google Classroom -Accessing Google Classroom assignments -Drag and Drop mouse skills to complete phonics and math activities -Develop a repeating pattern -Color coding a picture based a chart -Use shape tools -Identify computer hardware -Logging and password review activity	3-5.DA.06 - Organize and present collected data visually to highlight relationships and support a claim. 3-5.DA.07 - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate an idea. 3-5.CS.01 - Describe how internal and external parts of computing devices function to form a system. 3-5.CS.02 - Model how computer hardware and software work together as a system to accomplish tasks. Discuss task specific embedded systems.	CL.BOCK.1-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source) CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device. CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files. CL.BOCK.14-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information (e.g., a Jamboard, online drawing tool, online slides). CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services. CL.DMS.1-Protect accounts by logging out of applications on shared computing devices. CL.ISOD.1-Use refresh, forward, and back buttons to navigate a web browser. CL.MSACT.6-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase. CL.MSACT.9-Use selection tools to copy, paste, move, and modify work. CL.MSACT.10 - Use text tools to add text features to artwork.		

January	Applied Digital Skills Write an If-Then Adventure Story	<ul style="list-style-type: none"> <li>-Insert and format a table/bulleted list in a document</li> <li>-Create a new presentation in Google Slides</li> <li>-Format theme and slide layout</li> <li>-Organize slides in a presentation</li> <li>-Insert and format images</li> <li>-Format text (color, font, size)</li> <li>-Insert and format text boxes</li> <li>-Add animations and transitions</li> <li>-Preview in "present" mode</li> </ul>	<p><b>3-5.DA.06</b> - Organize and present collected data visually to highlight relationships and support a claim.</p> <p><b>3-5.DA.07</b> - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate an idea.</p> <p><b>3-5.IC.20</b> - Seek diverse perspectives for the purpose of improving computational artifacts.</p> <p><b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p> <p><b>CL.MSACT.10</b> - Use text tools to add text features to artwork.</p> <p><b>CL.MSACT.12</b> - Set up, share, and utilize collaborative workspaces, files, or other digital tools for asynchronous and synchronous collaboration.</p>		
February	Applied Digital Skills Build a Portfolio	<ul style="list-style-type: none"> <li>-Create a new website in Google Sites</li> <li>-Choose a website theme</li> <li>-Add new pages to a website</li> <li>-Add text to website pages</li> <li>-Format text (heading type)</li> <li>-Find and add images</li> <li>-Move and resize text boxes/images</li> <li>-Add files (documents, spreadsheets, slide presentations, etc.) to a web page</li> <li>-Upload files to a web page</li> <li>-Publish a website to the internet</li> </ul>	<p><b>3-5.DA.06</b> - Organize and present collected data visually to highlight relationships and support a claim.</p> <p><b>3-5.DA.07</b> - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate an idea.</p> <p><b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.16</b>-Understand Fair Use guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.BOCK.23</b>-Download, upload, attach file/folders via the web, email, or cloud services.</p> <p><b>CL.BOCK.25</b>-Use search tools to locate files and applications.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.8</b>-Use digital tools or platforms to organize, display, annotate, and/or share a curated collection.</p> <p><b>CL.MSACT.3</b>-Identify the difference among multimedia file types and save multimedia files in multiple formats.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.5</b>-Copy/paste, import, and embed songs, videos, hyperlinks, or other media on a multimedia presentation or document.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p> <p><b>CL.MSACT.10</b> - Use text tools to add text features to artwork.</p> <p><b>CL.MSACT.14</b> - Create and maintain a digital portfolio or collection of works related to one's learning.</p>		
March	Applied Digital Skills Discover AI in Daily Life	<ul style="list-style-type: none"> <li>-Gain information on artificial intelligence.</li> <li>-Artificial intelligence terminology</li> <li>-Identify current and future uses for artificial intelligence</li> <li>-Utilize AI/Machine Learning programming to simulate/test accuracy</li> <li>-Utilize AutoDraw programming to create images.</li> <li>-Use Google Translate and link pronunciations to a Google Slide presentation</li> <li>-Create a new presentation in Google Slides</li> <li>-Organize and link slides in a presentation</li> <li>-Insert and format images</li> <li>-Format text (color, font, size)</li> <li>-Insert and format text boxes</li> <li>-Add animations and transitions</li> <li>-Preview in "present" mode</li> </ul>	<p><b>3-5.IC.18</b>-Discuss computing technologies that have changed the world and express how those technologies influence, and are influenced by, cultural practices.</p> <p><b>3-5.ET.A</b> - Explain that the field of emerging technologies will be evolving and rapidly growing.</p> <p><b>3-5.ET.C</b> - Describe how emerging technologies are influencing current events at a local and global scale.</p> <p><b>3-5.ET.D</b> - Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.- Create new or original work by applying emerging technologies.</p> <p><b>3-5.ET.E</b>- Create new or original work by applying emerging technologies.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p>		



April	Google Sheets Activities Pizza Party Technology Inventory Graphing	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using Google Sheets to communicate information</li> <li>-Insert information into cells</li> <li>-Format cells</li> <li>-Adjust column and row size</li> <li>-Utilize formulas</li> <li>-Sorting data</li> <li>-Create a chart</li> </ul>	<p><b>3-5.DA.06</b> - Organize and present collected data visually to highlight relationships and support a claim.</p> <p><b>3-5.DA.07</b> - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate an idea.</p> <p><b>3-5.IC.18</b> - Discuss computing technologies that have changed the world and express how those technologies influence, and are influenced by, cultural practices.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>- Use shortcuts and command functions to operate the computer or applications.</p> <p><b>CL.BOCK.14</b>- Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.10</b>- Use digital tools, search engines, and video sites to determine how to perform an unfamiliar or unknown task.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
May	Code.org CS Fundamentals Course F	<ul style="list-style-type: none"> <li>-Students will learn to program using commands using loops and variables.</li> <li>-Utilize sequencing to create commands</li> <li>-Collaborate with others</li> <li>-Investigate different problem-solving techniques</li> <li>-Internet safety and digital citizenship</li> <li>-Use data to create simulations.</li> <li>-Use AI to train a machine learning model</li> <li>-Simulate Internet connections, URLs, IP Addresses, and DNS</li> </ul>	<p><b>3-5.NI.04</b> - Model how information is broken down into smaller pieces, transmitted as packets through multiple devices over networks and the Internet, and reassembled at the destination.</p> <p><b>3-5.DA.07</b> - Use data to highlight or propose cause and effect relationships, predict outcomes, or communicate an idea.</p> <p><b>3-5.AP.08</b> - Compare and refine multiple algorithms for the same task and determine which is the most appropriate.</p> <p><b>3-5.AP.09</b> - Create programs that use variables to store and modify data.</p> <p><b>3-5.AP.10</b> - Create programs that include sequences, events, loops, and conditionals.</p> <p><b>3-5.AP.11</b> - Decompose (breakdown) problems into smaller, manageable sub-problems to facilitate the program development process.</p> <p><b>3-5.AP.12</b> - Modify, remix, or incorporate portions of an existing program into one's own work, to develop something new or add more advanced features.</p> <p><b>3-5.AP.13</b> - Use an iterative process to plan the development of a program by including others' perspective and considering user preferences.</p> <p><b>3-5.AP.15</b> - Test and debug (identify and fix errors) a program or algorithm to insure it runs as intended.</p> <p><b>3-5.IC.19</b> - Brainstorm ways to improve the accessibility and usability of technology products for the diverse needs and wants of users.</p> <p><b>3-5.ETE</b> - Create new or original work by applying emerging technologies.</p>	<p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p> <p><b>CL.ISOD.10</b>-Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.</p>		

Sixth Grade						
Pacing	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
Week 1	Common Sense Media Digital Citizenship	<ul style="list-style-type: none"> <li>-Computer lab and library procedures</li> <li>-Basic computer functions &amp; troubleshooting</li> <li>-Logging in and password security</li> <li>-Internet safety and digital citizenship</li> </ul>	<p><b>6-8.CS.03</b> - Systematically identify and fix problems with computing devices and their components.</p> <p><b>6-8.NI.05</b> - Explain how physical and digital security measures protect electronic information.</p> <p><b>6-8.IC.24</b> - Describe trade offs between allowing information to be public and keeping information private and secure.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.6</b>- Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.).</p> <p><b>CL.BOCK.15</b>- Understand all rules and guidelines in the school's Acceptable Use Policy</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.2</b>-Use passwords/passphrases to secure individual devices.</p> <p><b>CL.DMS.4</b>-Keep passwords confidential and follow appropriate procedures if a password is compromised.</p> <p><b>CL.DMS.5</b> - Adjust privacy settings on all social media accounts, online services, devices, and browsers.</p> <p><b>CL.DMS.7</b> - Identify when sensitive personal data that may include email, phone, and online banking/credit or debit card information has been compromised and follow appropriate procedures to secure.</p> <p><b>CL.DMS.9</b>-Understand the difference between public and private data and the considerations when determining privacy settings to apply for specific applications.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p>		
Week 3	Driver's License Google Slides Activity w/Computer Parts Added	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using the mouse and tracking the pointer on the screen</li> <li>-Drag and Drop mouse skills</li> <li>-Copy and Paste</li> <li>-Drawing and formatting text boxes.</li> <li>-Formatting text and alignment</li> <li>-Using special characters</li> <li>-Resizing, cropping and formatting images</li> <li>-Creating a list using bullets</li> <li>-Identifying computer hardware and software</li> <li>-Using tools (e.g. spell check, research, dictionary, &amp; find &amp; replace)</li> </ul>	<p><b>6-8.CS.03</b> - Systematically identify and fix problems with computing devices and their components.</p>	<p><b>CL.BOCK.1</b>-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source)</p> <p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.12</b>-Learn to use special characters as needed (e.g. accents, tilde).</p> <p><b>CL.BOCK.17</b>-Demonstrate understanding of the difference between cloud computing vs. software applications for file storage/management.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.9</b>-Conduct an image search.</p> <p><b>CL.MSACT.1</b>-Use digital services to capture multimedia (e.g.,audio, video, and photo).</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>- Use selection tools to copy, paste, move, and modify work.</p>		
Week 5	Applied Digital Skills Write a Story Using Emojis	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Creating and formatting a new document.</li> <li>-Formatting text and alignment in a document</li> <li>-Inserting special characters</li> <li>-Share a document digitally</li> <li>-Formatting line spacing</li> <li>-Utilize word count feature</li> </ul>	<p><b>6-8.IC.23</b> - Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.12</b>-Learn to use special characters as needed (e.g. accents, tilde).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.BOCK.23</b>-Download, upload, attach files/folders via the web, email, or cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.10</b> - Use text tools to add text features to artwork.</p> <p><b>CL.MSACT.11</b>-Use email,messaging, and other interactive tools and apps to share information through text and communicate in writing.</p> <p><b>CL.MSACT.12</b>-Set up, share, and utilize collaborative workspaces, files, or other digital tools for</p>		

Week 7	Applied Digital Skills Ask for Feedback	<ul style="list-style-type: none"> <li>-Collaborate with classmates to receive feedback</li> <li>-Create a Google Form</li> <li>-Add questions to Google Form</li> <li>-Choose formats for questions to receive the most appropriate feedback</li> <li>-Select settings for Google Form</li> <li>-Use preview mode and edit mode</li> <li>-Sharing a Google Form</li> <li>-Analyze Form data</li> </ul>	<p><b>6-8.DA.08</b> - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p><b>6-8.IC.23</b> - Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.16</b>-Understand Fair Use guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.BOCK.25</b>-Use search tools to locate files and applications.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.11</b>-Use email,messaging, and other interactive tools and apps to share information through text and communicate in writing.</p> <p><b>CL.MSACT.12</b>-Set up, share, and utilize collaborative workspaces, files, or other digital tools for asynchronous and synchronous collaboration.</p>		
Week 9	Applied Digital Skills Identifying Cyberbullying	<ul style="list-style-type: none"> <li>-Create, rename, and share a document</li> <li>-Add and format text in a document</li> <li>-Insert hyperlinks into a document</li> <li>-Insert page breaks</li> <li>-Conduct online research and identify reliable sources</li> <li>-Internet safety and digital citizenship</li> </ul>	<p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p> <p><b>6-8.IC.24</b> - Describe trade offs between allowing information to be public and keeping information private and secure.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.15</b>- Understand all rules and guidelines in the school's Acceptable Use Policy</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.4</b>-Locate the URL of a website and identify the characteristics of different domains.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p>		
Week 11	Applied Digital Skills Create a Scrapbook	<ul style="list-style-type: none"> <li>-Create and name a presentation</li> <li>-Choose a theme</li> <li>-Add and organize slides</li> <li>-Insert and format images</li> <li>-Insert captions and word art</li> <li>-Insert video files</li> </ul>	<p><b>6-8.IC.23</b> - Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.16</b>-Understand Fair Use guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.3</b>-Identify the difference among multimedia file types and save multimedia files in multiple formats.</p> <p><b>CL.MSACT.4</b>-Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.5</b>-Copy/paste, import, and embed songs, videos, hyperlinks, or other media on a multimedia presentation or document.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p> <p><b>CL.MSACT.10</b>-Use text tools to add text features to artwork.</p> <p><b>CL.MSACT.12</b>-Set up, share, and utilize collaborative workspaces, files, or other digital tools for asynchronous and synchronous collaboration.</p>		

Week 13	Cloud Computing Slides Activity	<ul style="list-style-type: none"> <li>-Gain information on cloud computing.</li> <li>-Cloud computing terminology</li> <li>-Identify current and future uses for cloud computing</li> </ul>	<p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p> <p><b>6-8.ETA</b> - Explain that the field of emerging technologies will be evolving and rapidly growing.</p> <p><b>6-8.ET.B</b> - Compare existing and emerging technologies, ideas, and concepts.</p> <p><b>6-8.ET.C</b> - Describe how emerging technologies are influencing current events at a local and global scale.</p> <p><b>6-8.ET.D</b> - Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p>		
Week 14	Applied Digital Skills Create a Cloud Computing Crossword Puzzle	<ul style="list-style-type: none"> <li>-Create and title a new spreadsheet</li> <li>-Resize rows and columns</li> <li>-Enter data into a spreadsheet</li> <li>-Add fill colors to cells</li> <li>-Format text</li> <li>-Duplicate a sheet</li> <li>-Identify key terms related to Cloud Computing</li> </ul>	<p><b>6-8.DA.08</b> - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p><b>6-8.DA.09</b> - Refine computational models based on the data they have generated.</p> <p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p> <p><b>6-8.ETA</b> - Explain that the field of emerging technologies will be evolving and rapidly growing.</p> <p><b>6-8.ET.B</b> - Compare existing and emerging technologies, ideas, and concepts.</p> <p><b>6-8.ET.C</b> - Describe how emerging technologies are influencing current events at a local and global scale.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p>		
Week 17 & 18	TinkerCAD Starter Lessons & Build a TinkerCAD House Project	<ul style="list-style-type: none"> <li>-Place objects on the work plane</li> <li>-Adjust perspective and view</li> <li>-Manipulate objects on the plane (e.g. move, rotate, resize, group, duplicate, hide, &amp; align)</li> <li>-Create a virtual floor plan with proper dimensions</li> <li>-Create a 3D Model</li> </ul>	<p><b>6-8.CS.02</b> - Design projects that combine hardware and software components to collect and exchange data.</p> <p><b>6-8.AP.14</b> - Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs.</p> <p><b>6-8.AP.18</b> - Systematically test and refine programs using a range of test cases.</p> <p><b>6-8.AP.19</b> - Distribute tasks and maintain a project timeline when collaboratively developing computational artifacts.</p> <p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.8</b>-Use application help functions and online resources to solve basic operational issues independently.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p>		
Week 2, 4, 6, 8, 10, 12, 15, & 16	Typing Practice & Code.org CS Fundamentals Express Course	<ul style="list-style-type: none"> <li>-Students will learn to program using commands using loops, conditionals, functions, and variables.</li> <li>-Modify, remix, or incorporate portions of an existing program into their own work, to develop something new or add more advanced features</li> <li>-Utilize sequencing to create commands</li> <li>-Collaborate with others</li> <li>-Investigate different problem-solving techniques</li> <li>-Use data to create simulations.</li> <li>-Include other's perspectives when designing a program</li> </ul>	<p><b>6-8.AP.11</b> - Use flowcharts or pseudocode to address complex problems as algorithms.</p> <p><b>6-8.AP.12</b> - Perform operations on student-centered variables that possess descriptive names and represent different data types.</p> <p><b>6-8.AP.13</b> - Design and iteratively develop programs that combine control structures, including nested loops and compound conditionals.</p> <p><b>6-8.AP.14</b> - Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs.</p> <p><b>6-8.AP.15</b> - Create procedures with parameters to organize code and make it easier to reuse.</p> <p><b>6-8.AP.16</b> - Seek and incorporate feedback from team members and users to refine a solution that meets user needs.</p> <p><b>6-8.AP.17</b> - Incorporate existing code, media, and libraries into original programs and give attribution.</p> <p><b>6-8.AP.18</b> - Systematically test and refine programs using a range of test cases.</p> <p><b>6-8.AP.19</b> - Distribute tasks and maintain a project timeline when collaboratively developing computational artifacts.</p> <p><b>6-8.AP.20</b> - Document programs to make them easier to follow, test, and debug.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.8</b>-Use application help functions and online resources to solve basic operational issues independently.</p> <p><b>CL.BOCK.9</b>-Use proper posture and ergonomics while using a computing device, including hand held devices.</p> <p><b>CL.BOCK.10</b>-Locate and use the correct finger/hand for the space bar, return/enter, and shift key.</p> <p><b>CL.BOCK.11</b>-Locate and use letter and number keys with correct left and right hand placement (home row).</p> <p><b>CL.BOCK.12</b>-Learn to use special characters as needed (e.g. accents, tilde).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.10</b>-Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.</p>		

Seventh Grade						
Pacing	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
Week 1	Common Sense Media Digital Citizenship	<ul style="list-style-type: none"> <li>-Computer lab and library procedures</li> <li>-Basic computer functions &amp; troubleshooting</li> <li>-Logging in and password security</li> <li>-Internet safety and digital citizenship</li> </ul>	<p><b>6-8.CS.03</b> - Systematically identify and fix problems with computing devices and their components.</p> <p><b>6-8.NI.05</b> - Explain how physical and digital security measures protect electronic information.</p> <p><b>6-8.DA.10</b> - Evaluate the misuse of data and impact of distorted outcomes.</p> <p><b>6-8.IC.24</b> - Describe trade offs between allowing information to be public and keeping information private and secure.</p>	<p><b>CL. BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL. BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL. BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL. BOCK.6</b>- Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.).</p> <p><b>CL. BOCK.15</b>- Understand all rules and guidelines in the school's Acceptable Use Policy</p> <p><b>CL. DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL. DMS.2</b>-Use passwords/passphrases to secure individual devices.</p> <p><b>CL. DMS.4</b>-Keep passwords confidential and follow appropriate procedures if a password is compromised.</p> <p><b>CL. DMS.5</b> - Adjust privacy settings on all social media accounts, online services, devices, and browsers.</p> <p><b>CL. DMS.7</b> - Identify when sensitive personal data that may include email, phone, and online banking/credit or debit card information has been compromised and follow appropriate procedures to secure.</p> <p><b>CL. DMS.9</b>-Understand the difference between public and private data and the considerations when determining privacy settings to apply for specific applications.</p> <p><b>CL. DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL. DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p>		
Week 3	Driver's License Google Slides Activity w/Computer Parts Added	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using the mouse and tracking the pointer on the screen</li> <li>-Drag and Drop mouse skills</li> <li>-Copy and Paste</li> <li>-Drawing and formatting text boxes.</li> <li>-Formatting text and alignment</li> <li>-Resizing, cropping and formatting images</li> <li>-Creating a table</li> <li>-Using special characters</li> <li>-Identifying computer hardware and software</li> <li>-Using tools (e.g. spell check, research, dictionary, &amp; find &amp; replace)</li> </ul>	<p><b>6-8.CS.03</b> - Systematically identify and fix problems with computing devices and their components.</p>	<p><b>CL. BOCK.1</b>-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source)</p> <p><b>CL. BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL. BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL. BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL. BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL. BOCK.12</b>-Learn to use special characters as needed (e.g. accents, tilde).</p> <p><b>CL. BOCK.17</b>-Demonstrate understanding of the difference between cloud computing vs. software applications for file storage/management.</p> <p><b>CL. BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL. BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL. BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL. BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL. DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL. ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL. ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL. ISOD.9</b>-Conduct an image search.</p> <p><b>CL. MSACT.1</b>-Use digital services to capture multimedia (e.g.,audio, video, and photo).</p> <p><b>CL. MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL. MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL. MSACT.9</b>- Use selection tools to copy, paste, move, and modify work.</p>		

Week 5	Applied Digital Skills Create a Vision Board	<ul style="list-style-type: none"> <li>-Create and title a new drawing</li> <li>-Apply a background</li> <li>-Insert and format word art</li> <li>-Insert images</li> <li>-Create and format shapes</li> <li>-Align objects on a canvas</li> <li>-Combine images, words, and shapes to create a vision board</li> </ul>	6-8.IC.23 - Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.	<p>CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p>CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p>CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p>CL.BOCK.5-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p>CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p>CL.BOCK.19-Name files with appropriate file names and understand where files are being saved.</p> <p>CL.BOCK.20-Crete, save, edit, copy, and rename files and folders to organize files and materials.</p> <p>CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services.</p> <p>CL.BOCK.23-Download, upload, attach files/folders via the web, email, or cloud services.</p> <p>CL.DMS.1-Protect accounts by logging out of applications on shared computing devices.</p> <p>CL.ISOD.1-Use refresh, forward, and back buttons to navigate a web browser.</p> <p>CL.ISOD.2-Use tab browsing to navigate multiple pages.</p> <p>CL.MSACT.3-Identify the difference among multimedia file types and save multimedia files in multiple formats.</p> <p>CL.MSACT.4-Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p>CL.MSACT.5-Copy/paste, import, and embed songs, videos, hyperlinks, or other media on a multimedia presentation or document.</p> <p>CL.MSACT.6-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p>CL.MSACT.7-Use color palette/color wheel to change tool color.</p> <p>CL.MSACT.9-Use selection tools to copy, paste, move, and modify work.</p> <p>CL.MSACT.10-Use text tools to add text features to artwork.</p> <p>CL.MSACT.11-Use email,messaging, and other interactive tools and apps to share information through text and communicate in writing.</p> <p>CL.MSACT.12-Set up, share, and utilize collaborative workspaces, files, or other digital tools for asynchronous and synchronous collaboration.</p>		
Week 7	Applied Digital Skills Ask for Feedback	<ul style="list-style-type: none"> <li>-Collaborate with classmates to receive feedback</li> <li>-Create a Google Form</li> <li>-Add questions to Google Form</li> <li>-Choose formats for questions to receive the most appropriate feedback</li> <li>-Select settings for Google Form</li> <li>-Use preview mode and edit mode</li> <li>-Sharing a Google Form</li> <li>-Analyze Form data</li> </ul>	<p>6-8.DA.08 - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p>6-8.IC.23 - Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.</p>	<p>CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p>CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p>CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p>CL.BOCK.16-Understand Fair Use guidelines and their application to all forms of work.</p> <p>CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p>CL.BOCK.19-Name files with appropriate file names and understand where files are being saved.</p> <p>CL.BOCK.20-Crete, save, edit, copy, and rename files and folders to organize and materials.</p> <p>CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services.</p> <p>CL.BOCK.25-Use search tools to locate files and applications.</p> <p>CL.ISOD.1-Use refresh, forward, and back buttons to navigate a web browser.</p> <p>CL.ISOD.2-Use tab browsing to navigate multiple pages.</p> <p>CL.MSACT.11-Use email,messaging, and other interactive tools and apps to share information through text and communicate in writing.</p> <p>CL.MSACT.12-Set up, share, and utilize collaborative workspaces, files, or other digital tools for asynchronous and synchronous collaboration.</p>		
Week 9	Applied Digital Skills Avoid Online Scams	<ul style="list-style-type: none"> <li>-Create, rename, and share a document</li> <li>-Format document layout and spacing</li> <li>-Add and format text in a document</li> <li>-Insert bulleted and numbered lists</li> <li>-Internet safety and digital citizenship</li> </ul>	<p>6-8.NI.04 - Model the role of protocols in transmitting data across networks and the Internet.</p> <p>6-8.NI.05 - Explain how physical and digital security measures protect electronic information.</p> <p>6-8.IC.24 - Describe trade offs between allowing information to be public and keeping information private and secure.</p>	<p>CL.BOCK.2-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p>CL.BOCK.3-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p>CL.BOCK.4-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p>CL.BOCK.5-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p>CL.BOCK.18-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p>CL.BOCK.19-Name files with appropriate file names and understand where files are being saved.</p> <p>CL.BOCK.20-Crete, save, edit, copy, and rename files and folders to organize files and materials.</p> <p>CL.BOCK.22-Retrieve file versions/access revision history for files located in cloud services.</p> <p>CL.DMS.1-Protect accounts by logging out of applications on shared computing devices.</p> <p>CL.DMS.6-Apply appropriate login credential security and privacy principles to demonstrate safe and effective use of online and mobile applications to make payments.</p> <p>CL.DMS.7-Identify when sensitive personal data that may include email, phone, and online banking/credit or debit card information has been compromised and follow appropriate procedure to secure.</p> <p>CL.DMS.11-Distinguish between safe and unsafe practices when using online applications.</p> <p>CL.ISOD.1-Use refresh, forward, and back buttons to navigate a web browser.</p> <p>CL.ISOD.2-Use tab browsing to navigate multiple pages.</p>		



Week 11	Applied Digital Skills Create a Photo Journal	<ul style="list-style-type: none"> <li>-Create a table of content with links</li> <li>-Search the Internet for images</li> <li>-Insert an image</li> <li>-Crop, edit, and format an image</li> <li>-Format line spacing, text styles, and headings</li> <li>-Insert a page break</li> </ul>	<p><b>6-8.DA.08</b> - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p><b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.16</b>-Understand Fair Use guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
Week 13	Applied Digital Skills Discover AI in Daily Life	<ul style="list-style-type: none"> <li>-Gain information on artificial intelligence.</li> <li>-Artificial intelligence terminology</li> <li>-Identify current and future uses for artificial intelligence</li> <li>-Utilize AI/Machine Learning programming to simulate/test accuracy</li> <li>-Utilize AutoDraw programming to create images.</li> <li>-Use Google Translate and link pronunciations to a Google Slide presentation</li> <li>-Create a new presentation in Google Slides</li> <li>-Organize and link slides in a presentation</li> <li>-Insert and format images</li> <li>-Format text (color, font, size)</li> <li>-Insert and format text boxes</li> <li>-Add animations and transitions</li> <li>-Preview in "present" mode</li> </ul>	<p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p> <p><b>6-8.IC.22</b> - Discuss issues of bias and accessibility in the design of existing technologies.</p> <p><b>6-8.ETA</b> - Explain that the field of emerging technologies will be evolving and rapidly growing.</p> <p><b>6-8.ETB</b> - Compare existing and emerging technologies, ideas, and concepts.</p> <p><b>6-8.ETC</b> - Describe how emerging technologies are influencing current events at a local and global scale.</p> <p><b>6-8.ETD</b> - Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.7</b>-Locate and utilize accessibility features.</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		
Week 14	Applied Digital Skills Manage Your Time w/Google Sheets	<ul style="list-style-type: none"> <li>-Create and title a new spreadsheet</li> <li>-Record data in a spreadsheet</li> <li>-Format text in a spreadsheet (e.g.font, size, wrap text, etc.)</li> <li>-Use formulas in Sheets</li> <li>-Use cell references to create new formulas</li> <li>-Cut and paste cells in a spreadsheet</li> <li>-Delete information from cells in a spreadsheet</li> </ul>	<p><b>6-8.DA.08</b> - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p><b>6-8.DA.09</b> - Refine computational models based on the data they have generated.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.9</b>- Use selection tools to copy, paste, move, and modify work.</p>		
Week 17 & 18	TinkerCAD Starter Lessons & Create an Alien Project	<ul style="list-style-type: none"> <li>-Place objects on the work plane</li> <li>-Adjust perspective and view</li> <li>-Manipulate objects on the plane (e.g. move, rotate, resize, group, duplicate, hide, &amp; align)</li> <li>-Create a figure with proper dimensions</li> <li>-Create a 3D Model</li> </ul>	<p><b>6-8.CS.02</b> - Design projects that combine hardware and software components to collect and exchange data.</p> <p><b>6-8.AP.14</b> - Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs.</p> <p><b>6-8.AP.18</b> - Systematically test and refine programs using a range of test cases.</p> <p><b>6-8.AP.19</b> - Distribute tasks and maintain a project timeline when collaboratively developing computational artifacts.</p> <p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.8</b>-Use application help functions and online resources to solve basic operational issues independently.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		

<p><b>Week 2, 4, 6, 8, 10, 12, 15, &amp; 16</b></p>	<p><b>Typing Practice &amp; Code.org CS Fundamentals Express Course</b></p>	<p>-Students will learn to program using commands using loops, conditionals, functions, and variables. -Modify, remix, or incorporate portions of an existing program into their own work, to develop something new or add more advanced features -Utilize sequencing to create commands -Collaborate with others -Investigate different problem-solving techniques -Use data to create simulations. -Include other's perspectives when designing a program</p>	<p><b>6-8.AP.11</b> - Use flowcharts or pseudocode to address complex problems as algorithms. <b>6-8.AP.12</b> - Perform operations on student-centered variables that possess descriptive names and represent different data types. <b>6-8.AP.13</b> - Design and iteratively develop programs that combine control structures, including nested loops and compound conditionals. <b>6-8.AP.14</b> - Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs. <b>6-8.AP.15</b> - Create procedures with parameters to organize code and make it easier to reuse. <b>6-8.AP.16</b> - Seek and incorporate feedback from team members and users to refine a solution that meets user needs. <b>6-8.AP.17</b> - Incorporate existing code, media, and libraries into original programs and give attribution. <b>6-8.AP.18</b> - Systematically test and refine programs using a range of test cases. <b>6-8.AP.19</b> - Distribute tasks and maintain a project timeline when collaboratively developing computational artifacts. <b>6-8.AP.20</b> - Document programs to make them easier to follow, test, and debug.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.8</b>-Use application help functions and online resources to solve basic operational issues independently. <b>CL.BOCK.9</b>-Use proper posture and ergonomics while using a computing device, including hand held devices. <b>CL.BOCK.10</b>-Locate and use the correct finger/hand for the space bar, return/enter, and shift key. <b>CL.BOCK.11</b>-Locate and use letter and number keys with correct left and right hand placement (home row). <b>CL.BOCK.12</b>-Learn to use special characters as needed (e.g. accents, tilde). <b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.10</b>-Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.</p>	
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Eighth Grade						
Pacing	Activities	Digital Skills and Concepts	IL Computer Science Standards	Computer Literacy Knowledge and Skill Development		
Week 1	Common Sense Media Digital Citizenship	<ul style="list-style-type: none"> <li>-Computer lab and library procedures</li> <li>-Basic computer functions &amp; troubleshooting</li> <li>-Logging in and password security</li> <li>-Internet safety and digital citizenship</li> </ul>	<p><b>6-8.CS.03</b> - Systematically identify and fix problems with computing devices and their components.</p> <p><b>6-8.NI.05</b> - Explain how physical and digital security measures protect electronic information.</p> <p><b>6-8.IC.24</b> - Describe trade offs between allowing information to be public and keeping information private and secure.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.6</b>- Use gestures to navigate hand-held devices (e.g., swipe-left, swipe-right, pinch, etc.).</p> <p><b>CL.BOCK.15</b>- Understand all rules and guidelines in the school's Acceptable Use Policy</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.2</b>-Use passwords/passphrases to secure individual devices.</p> <p><b>CL.DMS.4</b>-Keep passwords confidential and follow appropriate procedures if a password is compromised.</p> <p><b>CL.DMS.5</b> - Adjust privacy settings on all social media accounts, online services, devices, and browsers.</p> <p><b>CL.DMS.7</b> - Identify when sensitive personal data that may include email, phone, and online banking/credit or debit card information has been compromised and follow appropriate procedures to secure.</p> <p><b>CL.DMS.9</b>-Understand the difference between public and private data and the considerations when determining privacy settings to apply for specific applications.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications (e.g., gaming platforms, social media, virtual discussion platforms).</p>		
Week 3	Driver's License Google Slides Activity w/Computer Parts Added	<ul style="list-style-type: none"> <li>-Accessing Google Classroom</li> <li>-Accessing Google Classroom assignments</li> <li>-Using the mouse and tracking the pointer on the screen</li> <li>-Drag and Drop mouse skills</li> <li>-Copy and Paste</li> <li>-Drawing and formatting text boxes.</li> <li>-Formatting text and alignment</li> <li>-Resizing, cropping and formatting images</li> <li>-Creating a table</li> <li>-Using special characters</li> <li>-Identifying computer hardware and software</li> </ul>	<p><b>6-8.CS.03</b> - Systematically identify and fix problems with computing devices and their components.</p>	<p><b>CL.BOCK.1</b>-Identify the basic components of the computing device, whether a computer, laptop, or hand-held device (e.g., monitor/screen, keyboard, mouse/trackpad, ports, power source)</p> <p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.12</b>-Learn to use special characters as needed (e.g. accents, tilde).</p> <p><b>CL.BOCK.17</b>-Demonstrate understanding of the difference between cloud computing vs. software applications for file storage/management.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.9</b>-Conduct an image search.</p> <p><b>CL.MSACT.1</b>-Use digital services to capture multimedia (e.g.,audio, video, and photo).</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>- Use selection tools to copy, paste, move, and modify work.</p>		
Week 5	Applied Digital Skills Create an Animation in Google Slides	<ul style="list-style-type: none"> <li>-Create and name a new presentation</li> <li>-Apply a layout</li> <li>-Add speaker notes</li> <li>-Insert and format an image</li> <li>-Draw with line tools, shapes, and format objects</li> <li>-Add a background</li> <li>-Search for images</li> <li>-Duplicate slides</li> <li>-Share a presentation</li> </ul>	<p><b>6-8.AP.14</b> - Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs.</p> <p><b>6-8.AP.16</b> - Seek and incorporate feedback from team members and users to refine a solution that meets user needs.</p> <p><b>6-8.IC.23</b> - Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.16</b>-Understand Fair Use guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.BOCK.23</b>-Download, upload, attach files/folders via the web, email, or cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.4</b>-Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p> <p><b>CL.MSACT.10</b>-Use text tools to add text features to artwork.</p> <p><b>CL.MSACT.12</b>-Set up, share, and utilize collaborative workspaces, files, or other digital tools for asynchronous and synchronous collaboration.</p>		

<b>Week 7</b>	<b>Applied Digital Skills Ask for Feedback</b>	<ul style="list-style-type: none"> <li>-Collaborate with classmates to receive feedback</li> <li>-Create a Google Form</li> <li>-Add questions to Google Form</li> <li>-Choose formats for questions to receive the most appropriate feedback</li> <li>-Select settings for Google Form</li> <li>-Use preview mode and edit mode</li> <li>-Sharing a Google Form</li> <li>-Analyze Form data</li> </ul>	<p><b>6-8.DA.08</b> - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p><b>6-8.IC.23</b> - Collaborate with many contributors through strategies such as crowdsourcing or surveys when creating a computational artifact.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.16</b>-Understand Fair Use guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.BOCK.25</b>-Use search tools to locate files and applications.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.11</b>-Use email,messaging, and other interactive tools and apps to share information through text and communicate in writing.</p> <p><b>CL.MSACT.12</b>-Set up, share, and utilize collaborative workspaces, files, or other digital tools for asynchronous and synchronous collaboration.</p>		
<b>Week 9</b>	<b>Applied Digital Skills Understanding Your Digital Footprint</b>	<ul style="list-style-type: none"> <li>-Create, rename, and share a spreadsheet</li> <li>-Format spreadsheet layout and spacing</li> <li>-Add and format text in a cell</li> <li>-Insert conditional formatting</li> <li>-Internet safety and digital citizenship</li> <li>-Collaborate digitally in a spreadsheet</li> </ul>	<p><b>6-8.NI.04</b> - Model the role of protocols in transmitting data across networks and the Internet.</p> <p><b>6-8.NI.05</b> - Explain how physical and digital security measures protect electronic information.</p> <p><b>6-8.IC.24</b> - Describe trade offs between allowing information to be public and keeping information private and secure.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.DMS.7</b>-Identify when sensitive personal data that may include email, phone, and online banking/credit or debit card information has been compromised and follow appropriate procedure to secure.</p> <p><b>CL.DMS.10</b>-Use digital tools to follow appropriate procedures for identifying one's own digital footprint and demonstrate an understanding of managing the digital footprint.</p> <p><b>CL.DMS.11</b>-Distinguish between safe and unsafe practices when using online applications.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p>		
<b>Week 11</b>	<b>Applied Digital Skills Create a Meme in Google Drawings</b>	<ul style="list-style-type: none"> <li>-Create and title a new project in Google Drawings</li> <li>-Resize a canvas</li> <li>-Find, add, and resize images</li> <li>-Add a background to a canvas</li> <li>-Add and format word art</li> <li>-Add and format text and textboxes</li> </ul>	<p><b>6-8.DA.08</b> - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p><b>3-5.IC.21</b> - Use public domain or Creative Commons media and refrain from copying or using material created by others without permission.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.16</b>-Understand Fair Use Guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p>		

Week 13	<b>Applied Digital Skills</b> <b>Create an Infographic</b> <b>Google Drawings</b> <b>-Emerging Tech</b>	<ul style="list-style-type: none"> <li>-Gain information on emerging technologies.</li> <li>-Emerging technologies categories and terminology</li> <li>-Identify current and future uses for emerging technology</li> <li>-Conduct research using reliable sources</li> <li>-Create a digital visual representation of information</li> <li>-Create and name a new Google Drawing</li> <li>-Using text tools insert and format text</li> <li>-Insert and format canvas background</li> <li>-Insert and format images, GIFs, word art, shapes and lines</li> </ul>	<p><b>6-8.CS.01</b> - Recommend improvements to the design of computing devices, based on an analysis of how users interact with the devices.</p> <p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p> <p><b>6-8.IC.24</b> - Describe trade offs between allowing information to be public and keeping information private and secure.</p> <p><b>6-8.ET.A</b> - Explain that the field of emerging technologies will be evolving and rapidly growing.</p> <p><b>6-8.ET.B</b> - Compare existing and emerging technologies, ideas, and concepts.</p> <p><b>6-8.ET.C</b> - Describe how emerging technologies are influencing current events at a local and global scale.</p> <p><b>6-8.ET.D</b> - Predict the positive and negative societal, cultural, and economic impacts that emerging and future technologies may generate.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.14</b>-Use graphic organizers, brainstorming applications, or other digital tools to gather and organize information.</p> <p><b>CL.BOCK.16</b>-Understand Fair Use Guidelines and their application to all forms of work.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.ISOD.4</b>-Locate the URL of a website and identify the characteristics of different domains.</p> <p><b>CL.ISOD.5</b>-Use browser search tools and advanced features to find information.</p> <p><b>CL.ISOD.6</b>-Use a browser's history feature to locate previously visited sites.</p> <p><b>CL.ISOD.7</b>-Exercise click restraint (scan results before clicking on first or early search results).</p> <p><b>CL.ISOD.9</b>-Conduct and image search.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p> <p><b>CL.MSACT.10</b>-Use text tools to add text features to artwork.</p>		
Week 14	<b>Applied Digital Skills</b> <b>Calculate Probability</b> <b>w/Google Sheets</b>	<ul style="list-style-type: none"> <li>-Create and title a new spreadsheet</li> <li>-Record data in a spreadsheet</li> <li>-Format text in a spreadsheet (e.g.font, size, wrap text, etc.)</li> <li>-Use formulas and functions</li> <li>-Understand absolute vs. relative cell references</li> <li>-Use cell references to create new formulas</li> <li>-Hiding columns</li> </ul>	<p><b>6-8.DA.08</b> - Collect data using computational tools and transform the data to make it more useful and reliable.</p> <p><b>6-8.DA.09</b> - Refine computational models based on the data they have generated.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.9</b>- Use selection tools to copy, paste, move, and modify work.</p>		
Week 17 & 18	<b>TinkerCAD</b> <b>Starter Lessons &amp;</b> <b>Create a Spaceship</b>	<ul style="list-style-type: none"> <li>-Place objects on the work plane</li> <li>-Adjust perspective and view</li> <li>-Manipulate objects on the plane (e.g. move, rotate, resize, group, duplicate, hide, &amp; align)</li> <li>-Create a figure with proper dimensions</li> <li>-Create a 3D Model</li> </ul>	<p><b>6-8.CS.02</b> - Design projects that combine hardware and software components to collect and exchange data.</p> <p><b>6-8.AP.14</b> - Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs.</p> <p><b>6-8.AP.18</b> - Systematically test and refine programs using a range of test cases.</p> <p><b>6-8.AP.19</b> - Distribute tasks and maintain a project timeline when collaboratively developing computational artifacts.</p> <p><b>6-8.IC.21</b> - Compare trade offs associated with computing technologies that affect people's everyday activities and career options.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device.</p> <p><b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars).</p> <p><b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files.</p> <p><b>CL.BOCK.5</b>-Use shortcuts and command functions to operate the computer or applications (e.g., Command-P, Command-C, Command-V, Command-Z, Ctrl-Alt-Delete,etc.).</p> <p><b>CL.BOCK.8</b>-Use application help functions and online resources to solve basic operational issues independently.</p> <p><b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services.</p> <p><b>CL.BOCK.19</b>-Name files with appropriate file names and understand where files are being saved.</p> <p><b>CL.BOCK.20</b>-Create, save, edit, copy, and rename files and folders to organize files and materials.</p> <p><b>CL.BOCK.22</b>-Retrieve file versions/access revision history for files located in cloud services.</p> <p><b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices.</p> <p><b>CL.ISOD.1</b>-Use refresh, forward, and back buttons to navigate a web browser.</p> <p><b>CL.ISOD.2</b>-Use tab browsing to navigate multiple pages.</p> <p><b>CL.MSACT.4</b> - Use application features to copy/paste or insert/import and format text and graphics within documents and multimedia presentation files.</p> <p><b>CL.MSACT.6</b>-Use basic drawing tools, including pencil, paint brush, shape, line, undo, redo, and erase.</p> <p><b>CL.MSACT.7</b>-Use color palette/color wheel to change tool color.</p> <p><b>CL.MSACT.9</b>-Use selection tools to copy, paste, move, and modify work.</p>		

<p><b>Week 2, 4, 6, 8, 10, 12, 15, &amp; 16</b></p>	<p><b>Typing Practice &amp; Code.org CS Fundamentals Express Course</b></p>	<p>-Students will learn to program using commands using loops, conditionals, functions, and variables. -Modify, remix, or incorporate portions of an existing program into their own work, to develop something new or add more advanced features -Utilize sequencing to create commands -Collaborate with others -Investigate different problem-solving techniques -Use data to create simulations. -Include other's perspectives when designing a program</p>	<p><b>6-8.AP.11</b> - Use flowcharts or pseudocode to address complex problems as algorithms. <b>6-8.AP.12</b> - Perform operations on student-centered variables that possess descriptive names and represent different data types. <b>6-8.AP.13</b> - Design and iteratively develop programs that combine control structures, including nested loops and compound conditionals. <b>6-8.AP.14</b> - Decompose problems and subproblems into parts to facilitate the design, implementation, and review of programs. <b>6-8.AP.15</b> - Create procedures with parameters to organize code and make it easier to reuse. <b>6-8.AP.16</b> - Seek and incorporate feedback from team members and users to refine a solution that meets user needs. <b>6-8.AP.17</b> - Incorporate existing code, media, and libraries into original programs and give attribution. <b>6-8.AP.18</b> - Systematically test and refine programs using a range of test cases. <b>6-8.AP.19</b> - Distribute tasks and maintain a project timeline when collaboratively developing computational artifacts. <b>6-8.AP.20</b> - Document programs to make them easier to follow, test, and debug.</p>	<p><b>CL.BOCK.2</b>-Turn on/off a computing device and follow appropriate procedures to access the device. <b>CL.BOCK.3</b>-Use a mouse or trackpad to manipulate shapes and icons; navigate within applications (e.g., click on hyperlinks, radio buttons, check boxes, use scroll bars). <b>CL.BOCK.4</b>-Use desktop icons, windows, and menus to open, minimize, and close applications or files. <b>CL.BOCK.8</b>-Use application help functions and online resources to solve basic operational issues independently. <b>CL.BOCK.9</b>-Use proper posture and ergonomics while using a computing device, including hand held devices. <b>CL.BOCK.10</b>-Locate and use the correct finger/hand for the space bar, return/enter, and shift key. <b>CL.BOCK.11</b>-Locate and use letter and number keys with correct left and right hand placement (home row). <b>CL.BOCK.12</b>-Learn to use special characters as needed (e.g. accents, tilde). <b>CL.BOCK.18</b>-Use login credentials to access network devices, accounts, file servers, and cloud services. <b>CL.DMS.1</b>-Protect accounts by logging out of applications on shared computing devices. <b>CL.ISOD.10</b>-Use digital tools, search engines, and video sites [e.g., YouTube] to determine how to perform an unfamiliar or unknown task.</p>		
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