

# Englewood Public School District

## Technology Grades K-2

### Educational Technology

**Overview:** Over the course of the school year, students will learn important technological skills to facilitate and amplify their learning and their knowledge of 21st century skills.

**Time Frame:** One school year

**Enduring Understandings:**

Technological tools facilitate learning.

Technological skills and knowledge are important in 21st century life.

**Essential Questions:**

*How do we use the Internet safely?*

*How can technology be used to help us learn?*

*What technologies are useful in the classroom?*

Standards	Topics and Objectives	Activities	Resources	Assessments
8.1.2.A.1 Identify the basic features of a digital device and explain its purpose.	<b>Topics</b>	Students will learn how to keyboard using grade appropriate software and expectations.	<b>Keyboarding Software:</b>	Students will be evaluated on their successful application of keyboarding skills.
	Keyboarding		Learn Keyboard Typing <a href="http://www.learnkeyboardskills.com/">http://www.learnkeyboardskills.com/</a>	
8.1.2.A.2 Create a document using a word processing application.	Twenty-First Century Themes and Skills include:	Students will utilize keyboarding games in all core areas to enhance their keyboarding skills.	Power Typing App <a href="http://www.powertyping.com/qwerty/lessonsq.html">http://www.powertyping.com/qwerty/lessonsq.html</a>	
	<b>Objectives</b>			
	<ul style="list-style-type: none"> <li>Students will practice proper keyboarding and finger position.</li> <li>Students will understand the importance of good posture when keyboarding.</li> </ul>	Students will learn how apply good posture and finger placement when keyboarding.	Ense-Lang.org Typing Tutorial <a href="http://sense-lang.org/typing/">http://sense-lang.org/typing/</a>  ABCYa.com Keyboarding Challenge <a href="http://www.abcya.com/keyboa">http://www.abcya.com/keyboa</a>	

- Students will identify proper finger placement on the home row.
- Students will complete self-paced typing lessons.
- Students will keyboard grade appropriate words and sentences.
- Students will keyboard simple sentences and add a graphic image to a word document.
- Students will identify the basic features of a digital device and explain its purpose.

[rd.htm](#)

Peter's Online Typing Course  
<http://www.typing-lessons.org/>

### **Keyboarding Games:**

Web Wonders Keyboarding Games  
<http://atypical3rd.wikispaces.com/Web+Wonders+-+Keyboarding>

Dance Mat Typing  
<http://www.bbc.co.uk/guides/z3c6tfr>

Typing Games Zones  
<http://www.typinggames.zone/>

Power typing  
<http://www.powertyping.com/fog/foggies.html>

Auntie Lee, Easy Typing Games  
<http://www.auntlee.com/kids/>

Math and Reading Help, The Typing of the Ghost Game  
[http://mathandreadinghelp.org/kids\\_games/the\\_typing\\_of\\_the\\_ghosts.html](http://mathandreadinghelp.org/kids_games/the_typing_of_the_ghosts.html)

Type Type Revolution  
<http://www.auntlee.com/content/type-type-revolution-game>

<p>8.1.2.A.3 Compare the common uses of at least two different digital applications and identify the advantages and disadvantages of using each.</p> <p>8.1.2.A.4 Demonstrate developmentally appropriate navigation skills in virtual environments (i.e. games, museums).</p> <p>8.1.2.C.1 Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using various media formats such as online collaborative tools, and social media.</p> <p>8.1.2.E.1 Use digital tools and online resources to explore a problem or issue.</p> <p>8.1.2.F.1 Use geographic mapping tools to plan and solve problems.</p> <p>8.1.2.D.1 Develop an understanding of ownership of print and nonprint information.</p>	<p><b>Topics</b></p> <p>Safe Internet Use</p> <p>Navigating Websites</p> <p>Google Earth</p> <p>Twenty-First Century Themes and Skills include:</p> <ul style="list-style-type: none"> <li>• Informational Literacy</li> <li>• Media Literacy</li> <li>• ICT Literacy</li> <li>• Critical Thinking and Problem Solving</li> <li>• Communication and Collaboration</li> </ul> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>• Students will interact with grade appropriate virtual games.</li> <li>• Students will engage with students from other schools and/or countries with collaborative tools.</li> <li>• Students will use digital tools to solve problems.</li> <li>• Students will identify places on a map using Google Earth.</li> </ul>	<p><u>Powerful Passwords</u> Students explore reasons why people use passwords, learn the benefits of using passwords, and discover strategies for creating and keeping strong, secure passwords</p> <p><u>My Online Community</u> Students explore the concept that people can connect with one another through the Internet. They understand how the ability for people to communicate online can unite a community.</p> <p><u>Show Respect Online</u> Students explore the similarities and differences between in-person and online communications, and then learn how to write clear and respectful messages.</p> <p><u>Google Earth</u> Instructors will select from a large variety of Google Earth lessons and activities.</p> <p>Students will access websites to review learning a task, visit locations remotely, and correlate classroom subject area learning.</p>	<p><b><u>Internet Safety:</u></b></p> <p>What should you do if a stranger sends you a message? Brain Pop <a href="https://jr.brainpop.com/artsandtechnology/technology/internet_safety/">https://jr.brainpop.com/artsandtechnology/technology/internet_safety/</a></p> <p>Hippo and Hedgehog in the Cyber-Five, Internet Safety <a href="http://www.abcya.com/cyber_five_internet_safety.htm">http://www.abcya.com/cyber_five_internet_safety.htm</a></p> <p>Online Safety Lessons <a href="https://kids.usa.gov/teachers/lesson-plans/online-safety/index.shtml">https://kids.usa.gov/teachers/lesson-plans/online-safety/index.shtml</a></p> <ol style="list-style-type: none"> <li>1. FBI Cyber Surf Islands Teacher's Guide</li> <li>2. Safe Surfing Kids</li> <li>3. NetSmartz – Teaching Materials</li> <li>4. Stay Safe Online</li> </ol> <p>Lesson: Whose Is It, Anyway McGruff: The Crime Dog <a href="http://www.mcgruff.org/#/Main">http://www.mcgruff.org/#/Main</a></p> <p>Video Bad Netiquette Stinks <a href="http://www.netsmartz.org/NetSmartzKids/BadNetiquetteStinks">http://www.netsmartz.org/NetSmartzKids/BadNetiquetteStinks</a></p> <p><b><u>Navigating Websites:</u></b></p> <p>Welcome to the Web <a href="http://www.teachingideas.co.uk/the-internet/welcome-to-the-web">http://www.teachingideas.co.uk/the-internet/welcome-to-the-web</a></p>	<p>Students will be evaluated on their participation and completion of the activities:</p> <ol style="list-style-type: none"> <li>1. Powerful Passwords</li> <li>2. My Online Community</li> <li>3. Show Respect Online</li> <li>4. Google Earth</li> </ol>
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Internet Guide for Teachers  
and Students  
<https://www.teachervision.com/educational-technology/resource/6007.html>

**Kindergarten Sites:**

Internet Safety for Kids  
<https://youtu.be/89eCHtFs0XM>

Gracie and Friends Treasure  
Bubbles  
<https://itunes.apple.com/us/app/gracie-friends-treasure-bubbles/id922540241?mt=8>

Gracie and Friends Birthday  
Café  
<https://itunes.apple.com/us/app/gracie-friends-birthday-cafe/id923468817?mt=8>

The Three Little Pigs  
presented by Dog and Cat  
<https://itunes.apple.com/us/app/three-little-pigs-presented/id498949558?mt=8>

Stumpy's Alphabet Dinner  
<https://itunes.apple.com/us/app/stumpys-alphabet-dinner/id663784476?mt=8&term=stumpy%27s%20dinner&ign-mpt=uo%3D4>

Math for Kids: teach numbers  
<https://itunes.apple.com/us/app/math-for-kids-teach->

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[numbers/id861230829?mt=8](https://itunes.apple.com/us/app/geoboard-by-math-learning/id861230829?mt=8)

Geoboard, by the Math  
Learning Center  
[https://itunes.apple.com/us/app  
/geoboard-by-math-  
learning/id519896952?mt=8](https://itunes.apple.com/us/app/geoboard-by-math-learning/id519896952?mt=8)

**First and Second Grade  
Websites:**

Fishbowl Addition  
[http://www.education.com/ga  
me/fish-bowl-addition/](http://www.education.com/games/fish-bowl-addition/)

Subtraction Pizza Party  
[http://www.education.com/ga  
me/subtraction-pizza-party/](http://www.education.com/games/subtraction-pizza-party/)

Segmenting Sounds Spelling  
[http://www.education.com/ga  
me/segmenting-sounds-  
spelling/](http://www.education.com/games/segmenting-sounds-spelling/)

Blending Sounds Photoshoot  
[http://www.education.com/ga  
me/blending-sounds-  
photoshoot/](http://www.education.com/games/blending-sounds-photoshoot/)

Less Than or Greater Than: 1  
to 20  
[http://www.education.com/ga  
me/blending-sounds-  
photoshoot/](http://www.education.com/games/blending-sounds-photoshoot/)

3D Shapes Ice Cream Attack  
[http://www.education.com/ga  
me/3d-shapes-ice-cream-  
attack/](http://www.education.com/games/3d-shapes-ice-cream-attack/)

**Google Earth:**

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[Flying with Google Earth](#) -  
Examines the controls used to  
get around in Google Earth

[Using Placemarks](#) - Looks at  
what a placemark is and how  
they can be used

[GE Tips](#) - General tips on  
using Google Earth

[Overlays](#) - Shows how to lay  
pictures over the ground in  
Google Earth

[Creating Placemarks](#)- Shows  
the basics of creating  
placemarks which can be used  
in lessons

[Images and the Web](#) - Shows  
how to use graphics from the  
web in placemarks

[Images II and Publishing](#) -  
More advanced image  
handling

[The Art of Map Making](#) - A  
definite MUST SEE if you  
plan on constructing complex  
placemark collections!! 5  
Stars!

**Academic Sites:**

Phonics Instruction  
[www.Starfall.com](http://www.Starfall.com)

Math Application Games:  
[www.Gregtangmath.com](http://www.Gregtangmath.com)

<p>8.1.2.A.1 Identify the basic features of a digital device and explain its purpose.</p> <p>8.1.2.A.2 Create a document using a word processing application.</p> <p>8.1.2.B.1 Illustrate and communicate original ideas and stories using multiple digital tools and resources.</p>			<p>Educational Games: <a href="http://www.abcy.com">www.abcy.com</a></p> <p>Educational Shareware: <a href="http://www.shepardsoftware.com">www.shepardsoftware.com</a></p> <p>Reading Solution's Software: <a href="http://www.Readinga-z.com">www.Readinga-z.com</a></p>		
	<p><b>Topics</b></p> <p>Microsoft Word</p> <p>Twenty-First Century Themes and Skills include:</p> <ul style="list-style-type: none"> <li>• Informational Literacy</li> <li>• ICT Literacy</li> </ul> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>• Students will use a word processing application.</li> </ul>	<p>Students will expand their ability to use Microsoft word.</p> <p>Students will utilize the tab, insert, and file tabs on Microsoft Word.</p> <p>Students will change their font, bold, center, underline, and use bullets and numbering.</p> <p>Students will use spell check, save and print a word doc.</p> <p>Students will change add clip art, shapes and word art.</p>	<p><b>Microsoft Word Lesson Plans:</b></p> <p>Microsoft Word – Lesson 1 <a href="https://betterlesson.com/community/lesson/26906/microsoft-word-lesson-1">https://betterlesson.com/community/lesson/26906/microsoft-word-lesson-1</a></p> <p>Word Processing, Eagle Mountain Saginaw ISD <a href="http://www.emsisd.com/page/904">http://www.emsisd.com/page/904</a></p>	<p>Students will be evaluated on their effective use of Microsoft Word.</p>	
	<p><b>Topics</b></p> <p>Spreadsheets</p> <p>Twenty-First Century Themes and Skills include:</p> <ul style="list-style-type: none"> <li>• Informational Literacy</li> <li>• ICT Literacy</li> </ul> <p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>• Students will enter information into a spreadsheet.</li> <li>• Students will filter</li> </ul>	<p>Students will learn how to use spreadsheets.</p> <p>Students will differentiate between cells, rows and columns.</p> <p>Students will learn how to alphabetize using Excel worksheet.</p> <p>Students will make a chart using an Excel worksheet.</p>	<p><b>Spreadsheet Lesson Plans:</b></p> <p>Life in a Tech Lab <a href="http://www.lifeinthetechlab.com/Lab_Fourth/fourthSpreadsheets/">http://www.lifeinthetechlab.com/Lab_Fourth/fourthSpreadsheets/</a></p> <p>1<sup>st</sup> Grade Template- Caesar Rodney School District <a href="http://teachers.cr.k12.de.us/~galgano/1linkstemp.htm">http://teachers.cr.k12.de.us/~galgano/1linkstemp.htm</a></p> <p>Excel-ent Activities Across the Grades</p> <p>Create Simple Shapes in Excel</p>	<p>Students will be evaluated on their effective use of spreadsheets.</p>	

**Modifications:**

- New Jersey Department of Education – Instructional Supports and Scaffolds
- Suggested Strategies for English Language Learners
- The educational technology curricula provides enrichment activities that allow for greater personalized learning to meet the needs of all learners including students with gifts and talents.

**Vocabulary:**

Backspace – Erases characters to the left of the cursor.

Caps lock – Capitalizes a whole word or sentence.

Click – To press and let go of mouse button once quickly.

Close – To finish working on a file.

Computer – A machine that works with, or processes, information that you give it.

Cursor – The blinking dot or line that marks the place on the screen where the next letter or symbol you type will appear.

Data – Information that you input to a computer, or that the computer outputs.

Database – Information stored in a file.

Delete key – Erases information from the computer.

Desktop – The screen that displays icons for programs, files, and folders.

Document – A file created containing text and/or graphics.

Document folder – A folder containing user's work.

Double-click – To press and let go quickly of mouse button twice.

Drag – Moving the mouse while holding the button down to move objects on the screen.

Font – Characters that come in different styles.

Enter key – Command key; also, moves cursor to the next line.

Files – Data that is stored in the computer.

Folder – Holds files.

Highlight – To select, usually by clicking or dragging with the mouse.

Icon – Small picture or image on the monitor.

Keyboard – A tool used for typing information into the computer.

Log in – To connect to the computer network.

Log out – To disconnect from the computer network.

Menu bar – A horizontal strip across the top of a program containing commands or options.

Monitor – Computer screen.

Mouse – A pointing device used to control the position of the cursor and to click on icons.

Mouse pad – The pad the mouse moves on.

Open – Opens work or a program that has been highlighted.



Printer – Prints information on paper.

Program – Piece of software or application.

Quit – Exit from a program.

Return key – Command key; also, moves cursor to the next line.

Save – Used when saved work already has a title.

Save as – Used when work needs a title before saving.

Scroll – Move lines of text up, down, or from side to side.

Shift key – Capital letters produced when this key is held down when typing a letter.

Shutdown – Turn off computer.

Spacebar – Long bar on the keyboard that types spaces.

Window – Box that appears on screen when you run a program.

Word processing – Set-up, editing (revising and correcting), saving, and printing text.