

Englewood Public School District

Technology

Grades 3-5

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:

What is Netiquette?

How can technology be used to help us learn?

What technologies are useful in the classroom?

Standards	Topics and Objectives	Activities	Resources	Assessments
8.1.5.D.1 Understand the need for and use of copyrights. 8.1.5.D.2 Analyze the resource citations in online materials for proper use. 8.1.5.D.3 Demonstrate an understanding of the need to practice cyber safety, cyber security, and cyber ethics when using technologies and social media. 8.1.5.D.4 Understand digital citizenship and demonstrate an understanding of the personal	<p style="text-align: center;">Topics</p> Netiquette Online Safety Digital Citizenship Twenty-First Century Themes and Skills include: <ul style="list-style-type: none"> • Informational Literacy • ICT Literacy • Media Literacy • Critical Thinking and Problem Solving • Communication and Collaboration 	<p><u>You've Won a Prize!</u> Students learn what spam is, the forms it takes, and then identify strategies for dealing with it. Common Sense Educator</p> <p><u>How to Cite a Site</u> Students reflect on the importance of citing all sources when they do research. They then learn how to write bibliographical citations for online sources. Common Sense Educator</p> <p><u>Talking Safely Online</u> Students learn that the Internet</p>	<p>Grades 3-5: How to Cite a Site, Common Sense Education https://www.commonsensemedia.org/educators/lesson/how-cite-site-6-8 Talking Safety Online, Common Sense Education https://www.commonsensemedia.org/educators/lesson/talking-safely-online-3-5 Super Digital Citizenship, Common Sense Education https://www.commonsensemedia</p>	Students will be evaluated on their participation and completion of the activities: <ol style="list-style-type: none"> 1. You've Won a Prize! 2. How to Cite a Site 3. Talking Safely Online 4. Super Digital Citizenship 5. Privacy Rules 6. What's Cyberbullying 7. Private and Personal Information 8. The Power of Words 9. Digital Citizenship and You! 10. Copyright Kids

consequences of inappropriate use of technology and social media.

Objectives

- Students will define the purpose of intellectual property law.
- Students will make a list of circumstances of when this law would come into play.
- Students will explain why and how they should demonstrate cyber safety and security.
- Students will display digital citizenship and appropriate use of technology.

is a great place to develop rewarding relationships. But they also learn not to reveal private information to a person they know only online. Common Sense Educator

Super Digital Citizenship
Students design their own superhero and create a digital comic in which their superhero helps others and spreads digital citizenship. Common Sense Educator

Privacy Rules
Students learn that children's websites must protect their private information. They learn to identify these secure sites by looking for their privacy policies and privacy seals of approval. Common Sense Educator

What's Cyberbullying
Students explore how it feels to be cyberbullied, how cyberbullying is similar to or different than in-person bullying, and learn strategies for handling cyberbullying when it arises. Common Sense Educator

Private and Personal Information
In this lesson, students learn to think critically about the user information that some websites request or require. They learn the difference between private

[.org/videos/lesson-in-action-super-digital-citizen](https://www.common sense media.org/videos/lesson-in-action-super-digital-citizen)

Privacy Rules, Common Sense Education
<https://www.common sense media.org/educators/lesson/privacy-rules-3-5>

What's Cyberbullying, Common Sense Education
<https://www.common sense media.org/educators/lesson/whats-cyberbullying-3-5>

Private and Personal Information, Common Sense Education
<https://www.common sense media.org/educators/lesson/private-and-personal-information-3-5>

Grade 4 Lesson:

You've Won a Prize! Common Sense Educator
<https://www.common sense media.org/educators/lesson/youve-won-prize-4-5>

Grades 4 and 5 lessons:

The Power of Words, Common Sense Education
<https://www.common sense media.org/educators/lesson/power-words-4-5>

Rings of Responsibility, Common Sense Education
<https://www.common sense media.org/educators/lesson/rings->

11. The Almighty Blog!
12. Digital Etiquette
13. What is Cyberbullying?
14. Cyberbee

information and personal information, distinguishing what is safe and unsafe to share online. Common Sense Educator

The Power of Words

Students consider that they may get online messages from other kids that can make them feel angry, hurt, sad, or fearful. Students identify actions that will make them Upstanders in the face of cyberbullying. Common Sense Educator

Digital Citizenship and You!

Students learn about Digital Citizenship by viewing this short student created video. YouTube

Copyright Kids

Students learn what a copyright is and how they can register their own work. Copyright Kids

The Almighty Blog!

In this animated BrainPOP movie, Tim and Moby will teach you about one of the newest ways to share information on a specific topic-- the almighty blog! BrainPOP

Digital Etiquette

In this BrainPOP movie, Tim and Moby teach you about the dos and don'ts of digital etiquette, a.k.a. netiquette. BrainPOP

responsibility-4-5

Digital Citizenship and You!
<https://youtu.be/2VnAU2lbf2c>

Copyright Kids
<http://www.copyrightkids.org/>

Videos: BrainPOP Digital Citizenship
<https://www.BrainPOP.com/technology/digitalcitizenship/blogs/>

Digital Etiquette
<https://www.BrainPOP.com/technology/digitalcitizenship/digitaletiquette/>

Video: What is Cyberbullying?
<http://viewpure.com/Xa0L2gHx4xM>

Video: Stand Up to Cyberbullying
<http://www.onguardonline.gov/media/video0005standcyberbullying>

Interactive: Cyberbee
http://www.cyberbee.com/cb_copyright.swf

8.1.5.A.2 Format a document using a word processing application to enhance text and include graphics, symbols and/or pictures.

		<p><u>What is Cyberbullying?</u> Students watch a video about cyberbullying. On Guard Online</p> <p><u>Cyberbee</u> Students explore this interactive website where they hover over pertinent cyber questions and click to reveal the answer.</p>		
	Topics	<p><u>Storytelling Project</u> Students will collaborate to produce a digital story about a local (global) event via the Educreations app.</p> <ul style="list-style-type: none"> Day One: Choose a story; summarize and then create a 3 - 5 slide storyboard Day Two and Three: Create and publish their story via Educreations. Extension: Blog about the project. 	Keyboarding Resources:	Students will be evaluated on their participation and completion of the activities:
	<p>Advanced Keyboarding</p> <p>Twenty-First Century Themes and Skills include:</p> <ul style="list-style-type: none"> Informational Literacy Media Literacy ICT Literacy Creativity and Innovation Critical Thinking and Problem Solving Communication and Collaboration 		<p>NeoOffice: http://www.neooffice.org/neojava/en/index.php</p> <p>Text option for Copy/Paste keystrokes: http://www.180techtips.com/082.html</p> <p>Video option for Copy/Paste Tips: https://www.youtube.com/watch?v=NqTxMSt99po</p> <p>Microsoft Word, Keyboard Shortcuts http://www.free-training-tutorial.com/msWord2007-shortcuts.html</p> <p>Typing Test Fast Fingers https://10fastfingers.com/typing-test/english</p> <p>BlackDog4Kids, Typing Tests http://blackdog4kids.com/games/word/typing.html</p> <p>Business Education Lesson</p>	<ol style="list-style-type: none"> Storytelling Project Storytelling Celebrity Letters Personalize Alphabet Letter Writing Keyboarding Lessons Alphabetical List Relay Dinosaur Endurance Typing Football Keyboarding Puzzles Typing Games
	Objectives	<p><u>Storytelling</u> Students participate in online writing activities where someone else begins a story, and they complete it.</p> <p><u>Celebrity Letters</u> Students write a letter to a chosen celebrity in order to practice friendly letter writing and keyboarding.</p> <p><u>Personalize Alphabet</u> Students create an alphabet listing about something meaningful to you. Type the first letter of each section in parenthesis and then type the</p>		

- in all core areas.
- Students will enhance their ability to keyboard for longer periods of time with greater accuracy.

sentence or phrase that goes with it.

Keyboarding Practice

Students practice keyboarding numeric Keys via three lesson plans. Business Education Lesson Plans

1. Numeric Keypad Assignment #1
2. Numeric Keypad Assignment #2
3. Numeric Keypad Assignment #3

Letter Writing

Students enhance their letter writing ability by completing two letter writing activities.

Business Education Lesson Plans by Tonya Skinner

Keyboarding Lessons

Students participate in keyboarding races with other students online while the instructor observes keyboarding techniques. Technique Checker

Alphabetical List Relay

Students practice keyboarding while conducting alphabet list relays. Technique Checker

Dinosaur Endurance

Students practice keyboarding while keyboarding dinosaur names. Business Education Lesson Plans by Tonya Skinner

Typing Football

Students work as two teams to

Plans by Tonya Skinner, Celebrity Writing Assignment
<http://lessonplans.btskinner.com/keybrd.html>

Business Education Lesson Plans by Tonya Skinner,

- [Numeric Keypad Assn #1](#)
- [Numeric Keypad Assn #2](#)
- [Numeric Keypad Assn #3](#)
- [Excel Template for Assn #1 and #2](#)
- [Excel Template for Assn #3](#)

Kabubble Story Starters

http://kabubble.com/games_travel_story_starters.htm

Keyboarding Letter Writing Assignment

<http://lessonplans.btskinner.com/kbletter.html>

Keyboarding Lesson: Technique Checker, Type Racer

<http://lessonplans.btskinner.com/kbchat.html>

Keyboarding Activity: Alphabetical List Relay

<http://lessonplans.btskinner.com/kbalphalistrelay.html>

Keyboarding Dinosaur Endurance Exercise

<http://lessonplans.btskinner.com/kbdino.html>

Keyboarding Activity: Typing Football

<http://lessonplans.btskinner.com/>

8.1.5.A.2 Format a document using a word processing application to enhance text and include graphics, symbols and/or pictures.

8.1.5.A.3 Use a graphic organizer to organize information about problem or issue.

		<p>compete to type a paragraph accurately in a game called Typing Football. Business Education Lesson Plans by Tonya Skinner</p> <p>kbtypingfootball.html</p> <p>Wibit Keyboarding https://wibit.wikispaces.com/Keyboarding</p> <p>Learning Games for Kids http://www.learninggamesforkids.com/keyboarding_games.html</p>	
	<p>Topics</p> <p>Microsoft Word</p> <p>Twenty-First Century Themes and Skills include:</p> <ul style="list-style-type: none"> • Informational Literacy • ICT Literacy <p>Objectives</p> <ul style="list-style-type: none"> • Students will create/organize file folders. • Students will create documents with advanced formatting and graphics. • Students creating documents with cutting/pasting and resizing graphics, WordArt. • Students will identify/locate/use word processing features. • Students will identify/locate/use network saving/retrieving steps. • Students will discuss appropriate use of digital 	<p>Instructors can select from a large variety of activities to introduce students to word processing, Applied Systems</p> <p><u>Formatting Fun</u> Students practice formatting basics for use in classroom writing activities. Education World</p> <p><u>Microsoft Word Introduction</u> This is an introductory lesson for a word processing class using Microsoft Word. Money Instructor</p> <p><u>Designing in Microsoft Word</u> This lesson focuses on teaching students to use more advanced word features such as borders, word art, and text boxes. Hot Chalk Lesson Plans</p> <p><u>Creating Tables in Microsoft Word</u> This lesson will teach students to set up a simple table in Microsoft Word. Hot Chalk Lesson Plans</p>	<p>Microsoft Word Lesson Plans, Applied Systems http://www.aeseducation.com/blog/2015/03/microsoft-word-lesson-plans</p> <p>Formatting Fun, Education World http://www.educationworld.com/a_tech/techlp/techlp003.shtml</p> <p>Microsoft Word Introduction, Money Instructor https://www.moneyinstructor.com/lesson/mswordintro.asp</p> <p>Designing in Microsoft Word, Hot Chalk Lesson Plans http://lessonplanspage.com/cidesigningflyersinmicrosoftword45-htm/</p> <p>Creating Tables in Microsoft Word, Hot Chalk Lesson Plans http://lessonplanspage.com/citableness-tablesinmsword57-htm/</p>

<p>8.1.5.C.1 Engage in online discussions with learners of other cultures to investigate a worldwide issue from multiple perspectives and sources, evaluate findings and present possible solutions, using digital tools and online resources for all steps.</p> <p>8.1.5.E.1 Use digital tools to research and evaluate the accuracy of, relevance to, and appropriateness of using print and non-print electronic information sources to complete a variety of tasks.</p>	tools.															
	<table border="1"> <thead> <tr> <th data-bbox="472 162 850 211">Topics</th> <th data-bbox="850 162 1270 211"><u>Inductively Evaluate Website Reliability</u></th> <th data-bbox="1270 162 1690 211">Inductively Evaluate Website Reliability, Birdseed</th> <th data-bbox="1690 162 2037 211">Students will be evaluated on their participation and completion of the activities:</th> </tr> </thead> <tbody> <tr> <td data-bbox="472 211 850 292">Internet</td> <td data-bbox="850 211 1270 292">Search engines help us find relevant websites, however the ranking systems do not necessarily return the most reliable pages. This final step requires our human minds to make difficult and fuzzy decisions. During this lesson students participate in a group activity to discover what qualities have a reliable website possesses. 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Virtual Field Trip

Students create their own Virtual Field Trip with the help of Wayback Machine.

GeoGame, GlobalSchoolNet.org
<http://www.globalschoolnet.org/geogame/>

Classroom Pet Exchange

The Class Pet Exchange program will enable students in grades K-3 to connect with another class and share their experiences via email, the web, and journaling. Classes will exchange class pets (a stuffed animal) and its journal by snail mail. Classroom Pet Exchange

Journey North, Annenberg Learner
<http://www.learner.org/jnorth/>

Project FeederWatch, The Cornell Lab
<http://feederwatch.org/>

Walk in My Shoes, University of Illinois Extension
<http://extension.illinois.edu/wims/index.cfm>

Earth Day Groceries Project

The Earth Day Groceries Project is a cost-free environmental awareness project in which students decorate paper grocery bags with environmental messages for Earth Day. Earth Day Bags

Buy Green: Being an Eco-Friendly Consumer:
http://www.pbs.org/parents/eeoworld/lessons4_1.html

CultureGrams
<http://www.culturegrams.com/>

GeoGame Project

The object of this game is to try to learn where the TEACHER PAL classrooms are located, and learn a little United States geography at the same time. Global School Net

The Great Chocolate Experience V

The Great Chocolate Experience is a project that focuses on M&M Math or M&M Fractional Math. Education World

Journey North

Journey North allows classes around the world to participate in migratory tracking projects. Students observe the area around them and are able to report their findings on the site. Interaction between various classes is encouraged. Everything from Monarch Butterflies to Humpback whales is tracked here. Annenberg Learning

Project Feeder Watch

This project began in 1987 as a winter survey of the birds that visit backyard feeders in the U.S. and Canada. This information helps ornithologists track changes in the abundance and distribution of bird species that use feeder in the winter. The Cornell Lab

Walking in My Shoes

Walk in My Shoes is an activity project that reaches across generations and teaches young people about growing older and the physical changes that occur with age. University of Illinois Extension

Eeko World

Students will explore environmentally friendly products. They will use the resources of Eeko World as they learn about air pollution, water pollution, and how their actions can have an impact on

the earth. They will conduct Internet research, create an advertisement for an eco-friendly consumer product, and stage a class presentation. Buy Green: Being an Eco-Friendly Consumer. PBS Learning

Students will use Google Earth to record what can be discovered about the earth.

Five Themes of Geography
Research Task

Students will select or be assigned an area of the world (a country or an American city or state) and will use the database Culturegrams to glean information about the Five Themes as they relate to this area. Culturegrams

After conducting research on career clusters and specific occupations, students will produce a report of his/her findings based on a pre-assigned job.

8.1.5.F.1 Apply digital tools to collect, organize, and analyze data that support a scientific finding.

Topics	<u>PPT for Beginners</u>	<u>How to Use PowerPoint Resources:</u>	Students will be evaluated on their participation and completion of the activities:
PowerPoint Twenty-First Century Themes and Skills include: <ul style="list-style-type: none"> • Informational Literacy • Media Literacy • ICT Literacy • Creativity and Innovation • Critical Thinking and Problem Solving 	Students will watch a video that explains how to make a PPT Presentation for beginners. YouTube <u>PPT for Beginners</u> Students will learn how to create a PPT Presentation. Scholastic <u>PPT for Beginners</u>	PowerPoint for Beginners https://youtu.be/xsNHJzz09QE Creating a PowerPoint Presentation, Scholastic (grade 5) http://www.scholastic.com/teachers/lesson-plan/creating-powerpoint-presentation	1. PPT for Beginners 2. All About Me PPT 3. Around the World in 10 Days 4. Bringing History Alice 5. Digital Cloud Riddle 6. Multimedia Portfolio PPT

- Communication and Collaboration

Objectives

Students will learn how to create a PowerPoint slide show.

Students will learn how to insert and manipulate graphic images into a PowerPoint slide show.

Students will identify and explore PowerPoint components (Ribbon, tabs mini-toolbar, dialog box launcher, etc.)

Students will learn how to create a PPT Presentation for Beginners. Alabama Learning Exchange

PPT for Beginners
Students will learn how to create a PPT Presentation for Beginners. Ask a Teacher

All About Me PPT
Students will complete an All About Me PowerPoint. Digital Wish

Around the World in 10 Days
Students complete the Around the World in 10 Days – Landmark Project. Digital Wish

Bringing History Alice
Students complete the Bringing Historical Figures Alive Project. Digital Wish

Digital Cloud Riddle
Students will recognize the value of illustrations, photos, and descriptive language in literature by completing the Digital Cloud Riddle Book. Digital Wish

Multimedia Portfolio PPT
Students will use PowerPoint to create a multimedia portfolio of work completed during the year. Digital Wish

PPT and Digital Cameras
Students use digital cameras to prove their knowledge of

Teach PowerPoint in Elementary School, Ask a Teacher
<https://askatechteacher.wordpress.com/2010/01/18/teach-powerpoint-in-elementary-school/>

PowerPoint Lesson Plan, Alabama Learning Exchange
http://alex.state.al.us/lesson_view.php?id=16156

PowerPoint Projects:

All About Me PPT Project, Digital Wish
http://www.digitalwish.com/dw/digitalwish/view_lesson_plans?id=7274

Around the World in 10 Days Project, Digital Wish
http://www.digitalwish.com/dw/digitalwish/view_lesson_plans?id=4963

Bringing Historical Figures Alive, Digital Wish
http://www.digitalwish.com/dw/digitalwish/view_lesson_plans?id=4527

Cloud Riddle Book, Digital Wish
http://www.digitalwish.com/dw/digitalwish/view_lesson_plans?id=2299

Electronic Portfolio, Digital Wish
<http://www.digitalwish.com/dw/>

7. PPT and Digital Cameras
8. Endangered Animals PPT

		<p>geometric terms by making a PPT. Digital Wish</p> <p><u>Endangered Animals PPT</u> Students research an endangered animal. They then develop a PowerPoint presentation describing the animal, its habitat, its predators, its prey, and why it's endangered. Finally, students create a podcast for our class "Save the Animals!" series describing their plan to help these endangered species, as well as recruiting support. Digital Wish</p>	<p>digitalwish/view_lesson_plans?id=3937</p> <p>Nature of Geometry, Digital Wish http://www.digitalwish.com/dw/digitalwish/view_lesson_plans?id=2187</p> <p>Save the Animals! Digital Wish http://www.digitalwish.com/dw/digitalwish/view_lesson_plans?id=3255</p>	
<p>8.1.5.F.1 Apply digital tools to collect, organize, and analyze data that support a scientific finding.</p> <p>8.1.5.A.4 Graph data using a spreadsheet, analyze and produce a report that explains the analysis of the data.</p> <p>8.1.5.A.5 Create and use a database to answer basic questions.</p> <p>8.1.5.A.6 Export data from a database into a spreadsheet; analyze and produce a report that explains the analysis of the data.</p> <p>8.1.5.A.1 Select and use the appropriate digital tools and resources to accomplish a variety of tasks including</p>	<p>Topics</p> <p>Spreadsheets</p> <p>Twenty-First Century Themes and Skills include:</p> <ul style="list-style-type: none"> • Informational Literacy • ICT Literacy • Critical Thinking and Problem Solving <p>Objectives</p> <ul style="list-style-type: none"> • Students will use a database. • Students will export data from a database to a spreadsheet. • Students will select and use appropriate digital tools. 	<p><u>Excel for Beginners</u> Students will watch a video tutorial on how to use Excel. YouTube</p> <p><u>Tasty Tech Activity with Excel</u> This lesson plan helps classroom teachers introduce basic. Students rank their opinions of menu items from fast food restaurants, add their answers to the spreadsheet, and then create a simple graph of the results. Education World</p> <p><u>A Simple Bar Chart</u> Students choose at least 8 items from the Fruit Stand Shopping List for their fruit juice and smoothie creations. Students create a basic spreadsheet and simple bar chart illustrating their choices. K-5 Computer Lab</p>	<p>How to Use Excel Activities:</p> <p>Microsoft Excel 2016: Full Tutorial for Beginners https://youtu.be/HacWD9HSww0</p> <p>Tasty Tech Activity with Excel, Education World http://www.educationworld.com/a_tech/techlp/techlp004.shtml</p> <p>A Simple Bar Chart, K-5 Computer Lab http://oakdome.com/k5/lesson-plans/excel/second-excel-lesson.php</p> <p>How We Get to School, K-5 Computer Lab http://oakdome.com/k5/lesson-plans/excel/excel-how-do-you-get-to-school-chart.php</p>	<p>Students will be evaluated on their participation and completion of the activities:</p> <ol style="list-style-type: none"> 1. Excel for Beginners 2. Tasty Tech Activity with Excel 3. A Simple Bar Chart 4. How We Get to School 5. Bake Sale Chart 6. What is Your Favorite Pet? 7. Excel for the Elementary Classroom

solving problems.

8.1.5.A.1 Select and use the appropriate digital tools and resources to accomplish a variety of tasks including solving problems.

How We Get to School

Students then use the tally results with a spreadsheet program to create a bar chart illustrating the results of how their classmates get to school. K-5 Computer Lab

Bake Sale Chart, K-5 Computer Lab

<http://oakdome.com/k5/lesson-plans/excel/excel-bake-sale-chart.php>

Bake Sale Chart

Students choose at least 7 different items from the "Baked Sale Goods" list to sell at their bake sale. Students enter their choices into an Excel spreadsheet and create a chart with the data. K-5 Computer Lab

What is Your Favorite Pet? K-5 Computer Lab

<http://oakdome.com/k5/lesson-plans/excel/excel-what-is-your-favorite-pet.php>

Excel for the Elementary

Classroom, Empower Students

<https://empowerstudents.wikispaces.com/Excel+for+the+Elementary+Classroom>

What is Your Favorite Pet?

Students use the tally results with a spreadsheet program to create a pie chart illustrating the results of their classmates' favorite pets. K-5 Computer Lab

Excel for the Elementary Classroom

Instructors select from a large variety of lessons and activities to hone students' ability to apply Excel and databases. Empower Students

8.1.5.F.1 Apply digital tools to collect, organize, and analyze data that support a scientific finding.

Topics

Digital Tools and Devices

Twenty-First Century Themes and Skills include:

- Informational Literacy

Digital Cameras and Animation:

100 Ways to Use Digital Cameras

Instructors consider 100 ways to use digital cameras in the

Digital Cameras:

100 Ways to Use Digital Cameras, Scholastic

<http://www.scholastic.com/teachers/lesson-plan/100-ways-use-digital-cameras>

Students will be evaluated on their participation and completion of the activities:

1. 100 Ways to Use Digital Cameras
2. Using Digital Cameras

- ICT Literacy
- Creativity and Innovation
- Critical Thinking and Problem Solving
- Communication and Collaboration

Objectives

- Students will apply a large variety of digital tools.
- Students will communicate virtually with content experts (authors, scientists, etc.)
- Students will use and apply Google Earth.
- Students will use digital cameras and video.

classroom. Scholastic

Using Digital Cameras in the Classroom

Instructors consider a plethora of ways to use digital cameras in the classroom. Terp Connect

Stop Animation!

Students learn how to use Stop Animation to learn about concepts that involve processes and progression. ISTE

Skype Lessons:

Instructors can select from a large variety of Skype lesson plans directly from Microsoft.

Exploring with an Explorer

Using exciting tales from his own expeditions and adventures all over the globe, Justin introduces children to ‘the world’ whilst covering key areas of geography and linking in with other curriculum subjects. Skype Lesson, Microsoft

What’s the View Like from Your Classroom Window?

Our environment changes constantly throughout the day. The area we live in is one specific environment as where we go to school is another environment. Some children go to school in cities, other children may live in towns or villages. Skype Lesson,

Using Digital Camera in the Classroom, Terp Connect
<http://terpconnect.umd.edu/~toh/image/DigitalCameraUses.htm>

Engage Elementary Students with Stop Animation! ISTE
<https://www.iste.org/explore/articledetail?articleid=128>

Google Docs:

Google Sheets or other spreadsheet application
 Create a Graph
<http://nces.ed.gov/nceskids/creategraph/>

Skype, Webinars, or Video Conferencing Software

Microsoft Skype Lesson Plans
<https://education.microsoft.com/skype-in-the-classroom/skype-lessons>

Exploring with an Explorer, Skype Lesson, Microsoft
<https://education.microsoft.com/Story/SkypeLesson?token=fd36f>

What’s the View Like from Your Classroom Window, Skype Lesson, Microsoft
<https://education.microsoft.com/Story/SkypeLesson?token=a23Ej>

Mystery Skype and What We Always Wanted to Share About our Location, Skype Lesson,

- in the Classroom
3. Stop Animation!
 4. Exploring with an Explorer
 5. Mystery Skype
 6. My Summer Vacation
 7. The American Revolution
 8. Using the Ruler Tool to Measure in Google Earth
 9. Gathering Weather Data
 10. Daily Weather Events

Microsoft

Mystery Skype

Sunset Elementary students would like to play Mystery Skype and share projects containing information about their location. Throughout several Skype sessions, they would want to share, compare and contrast issues and ideas, as well as find common solutions. Skype Lesson, Microsoft

Google Earth Lesson Plans:

Tutorial on How to use Google Earth, Google Earth in the Elementary Classroom. Open Stax

My Summer Vacation

Elementary students can explore geography while sharing something about themselves in this lesson. Discovery Education

The American Revolution

This activity is appropriate for elementary aged students and traces the paths of America's founding fathers. Discovery Education

Using the Ruler Tool to Measure in Google Earth

This lesson walks teachers through using the ruler tool in Google Earth as a learning resource. United Streaming

Weather Related Activities:

Microsoft

<https://education.microsoft.com/Story/SkypeLesson?token=Ji2V5>

Google Earth Activities:

Google Earth in the Elementary Classroom, Open Stax
<http://cnx.org/contents/0gaBMR8Z@2/Google-Earth-in-the-Elementary>

My Summer Vacation, Discovery Education, United Streaming

The American Revolution, Discovery Education, United Streaming

Using the Ruler Tool to Measure in Google Earth, Discovery Education, United Streaming

Weather Related Activities:

Gather Data: Experiment with Weather
http://teacher.scholastic.com/activities/wwatch/gather_data/index.htm

Weather Bug
www.weatherbug.com

Weather Today
<http://www.weather.com/weather/today/1/07746:4:US>

Weather Underground Historical Weather

<http://www.wunderground.com/history/>

Gathering Weather Data

Students expand their understanding of weather tools and what they measure.
Scholastic

Daily Weather Events

Students learn about daily weather events. Weather Bug, Weather Today, and Weather Underground Historical Weather. Scholastic

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:

Action button – Used to create actions in a slide show (i.e. change slides, play a sound, create animation).

Animations – Moving graphics on a computer screen.

Application – Computer software that performs a task such as word processing or drawing.

Application menu – Icon in the upper right hand corner of the screen that shows the program that is open.

Application switcher – A part of the operating system that allows you to switch between each of the applications that are running at the same time.

Bold – Heavy-faced (dark) font.

Cell – Box on a spreadsheet or database that holds data.

Cite sources – Give credit for information used (similar to a bibliography).

Crash – When a computer suddenly stops working.

Disk – Used to store a program or data.

Email – Electronic mail sent from one computer to another.

Export – Take data from one application and use it in another.

Field – One piece of information in a database.

Finder – Program used to find files.

Footer – Text that appears at the bottom of every page of a document.

Graphics – Pictures.

Hardware – The parts of the computer that you can see and touch.

Header – Text that appears at the top of every page of a document.

Home row keys – Keys where fingers rest when typing.

Hyperlinks – Clicking on text or images that connect you to other text or images.

Import – Use data produced by another application.

Input – Information that you enter into a computer.

Internet – Worldwide network of computers.

Italics – A font style with characters that slant upward to the right.

Launch – Start a program.

Launcher – Window that shows the icons for programs that can be opened.

Layout – The arrangement of text and graphics in a document or information in a database.

Memory – The part of a computer where information is stored.

Network – A system of interconnected computers.

Output – What the computer produces.

Page break – Where one page ends and another begins.

Page orientation – Direction information is laid out on a computer screen or printed page; landscape has a horizontal layout and portrait has a vertical layout.

Print area – Defined area in a file that will be printed.

Record – Collection of related fields in a database; one “card” in a database.

Search engine – Software that makes it possible to look for and get material on the internet.

Shared folder – Folder on a network where a group can share work.

Shortcuts – One or more keys you press on the keyboard to complete a task.

Slide – One screen in a multimedia presentation.

Slide show – A presentation containing more than one slide.

Software – Computer program.

Spreadsheet – Software that works with calculating numbers.

Template – Predesigned document to which information is added.

Text wrap – Words automatically move from one line to the next or around a picture.

Toggle – Switch between open programs.

Toolbar – Rows of command buttons.

Transitions – Special effects used to go from one slide to another in a slide show.

Web browser – Program used to view web pages.