

Allamuchy Township School District

Technology Curriculum



Written by Melissa Sabol

June 2013

Mission Statement

The Allamuchy Township School District believes that the integration of technology into all phases of teaching and learning is a vital element of students' future success. The primary use of technology in education for Kindergarten through Eighth Grade is to assist in meeting the learners' developmental needs. Therefore, we are committed to providing age appropriate levels of technology use to effectively address the needs of all students.

Technology will assist district professionals in their effort to ensure an opportunity for all students to develop the basic requisite skills and knowledge needed to reach the highest level of achievement possible for each individual. As students' capabilities expand, so will their ability to access and use local and global information sources, problem solving and decision-making tools, and additional technology-based learning opportunities. Because we believe that these opportunities for expanded learning drive the need for new technologies, we will support our teaching professionals and students with a regular commitment of human and financial resources.

K Unit 1	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="178 365 388 462">Getting to know the Computer</p> <p data-bbox="178 617 388 714">Inter-disciplinary Connections</p> <p data-bbox="178 755 388 787">Social Studies</p>	<p data-bbox="388 438 588 576">What are the basic functions of a computer?</p>	<p data-bbox="588 397 961 503">Identify the basic features of a computer and explain how to use them effectively</p> <p data-bbox="588 544 961 787">Use mapping tools to plan and choose alternate routes to and from various locations. (Mapping tools: For example, Google earth, Yahoo maps, and Google maps.)</p>	<p data-bbox="961 397 1119 430">8.1.2.A.1</p> <p data-bbox="961 438 1119 470">8.1.2.F.1</p>	<p data-bbox="1119 397 1633 430">-PBS Kids</p> <p data-bbox="1119 470 1633 544">-use of online software ex: learning.com's EasyTech</p> <p data-bbox="1119 576 1633 682">-use Google maps to plan different routes to McDonalds, Friendly's, the movie theater, etc.</p>	<p data-bbox="1633 397 1906 462">Teacher Observation</p> <p data-bbox="1633 503 1906 535">Rubrics</p> <p data-bbox="1633 576 1906 641">Software Based Skills Assessment</p> <p data-bbox="1633 682 1906 714">Quizzes</p>

K Unit 2	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Digital Documentation</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science Health</p>	<p>How can technology be used to enhance communication?</p>	<p>Create a document with text using a word processing program</p> <p>Illustrate and communicate original ideas and stories using digital tools and media-rich resources. [Media-rich: Multiple forms of digital applications in one product (e.g., graphic design, word processing, and spreadsheet)].</p> <p>Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using electronic tools</p>	<p>8.1.2.A.4 8.1.2.B.1 8.1.2.C.1</p>	<p>-types 3-5 sentences about a picture of family</p> <p>- Use iPad to explore many ways to illustrate letters and create letter stories complete with letter raps</p> <p>-Skype: have a discussion with another class on a shared topic (How to prevent the spreading of germs)</p> <p>-use of online software ex: learning.com’s EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

K Unit 3	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="178 264 294 332">Intro to research</p> <p data-bbox="178 446 346 544">Inter-disciplinary Connections</p> <p data-bbox="178 584 367 657">Language Arts Science</p>	<p data-bbox="394 300 535 479">How does technology help to document facts?</p>	<p data-bbox="594 264 945 552">Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. (Virtual environments: For example, games, simulations, websites, blogs.)</p> <p data-bbox="594 584 934 763">Use digital tools and online resources to explore a problem or issue affecting children, and discuss possible solutions.</p> <p data-bbox="594 795 934 1047">With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question</p>	<p data-bbox="968 264 1092 365">8.1.2.A.5 8.1.2.E.1 W.K.8</p>	<p data-bbox="1121 264 1333 300">-PBS kids games</p> <p data-bbox="1121 332 1459 406">-use of online software ex: learning.com's EasyTech</p> <p data-bbox="1121 479 1585 511">-group research project (solar system)</p>	<p data-bbox="1640 264 1795 332">Teacher Observation</p> <p data-bbox="1640 373 1743 406">Rubrics</p> <p data-bbox="1640 446 1858 511">Software Based Skills Assessment</p> <p data-bbox="1640 552 1743 584">Quizzes</p>

K Unit 4	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Problem Solving</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science Math</p>	<p>How can technology tools be used to promote creativity in learning?</p>	<p>Brainstorm and devise a plan to repair a broken toy or tool using the design process.</p> <p>With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers</p>	<p>W.K.8 W.K.6</p>	<p>-build with Legos or blocks- document by taking pictures with the iPad.</p> <p>-create one page for book and upload to online publishing site (ex: https://eschooltools.com/) Topic – growing plants.</p> <ul style="list-style-type: none"> - Take pictures to document growth - Record growth and place in a table in Excel - Use graph in book <p>-use of online software ex: learning.com’s EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

1 st Unit 1	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Technology Refresher</p> <p>Inter-disciplinary Connections</p> <p>Science</p>	<p>What technology and skills are necessary to be a successful contributor in the 21st century?</p>	<p>Use technology terms in daily practice</p> <p>Create a document with text using a word processing program</p> <p>Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. (Virtual environments: For example, games, simulations, websites, blogs.)</p> <p>Use mapping tools to plan and choose alternate routes to and from various locations. (Mapping tools: For example, Google earth, Yahoo maps, and Google maps.)</p>	<p>8.1.2.A.2 8.1.2.A.4 8.1.2.A.5 8.1.2.F.1</p>	<p>-use of online software ex: learning.com’s EasyTech</p> <p>-learn-to-type program (through EasyTech)</p> <p>-PBSkids</p> <p>-use Google maps to make directions to get home</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

1st Unit 2	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Compiling info from a variety of sources</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science</p>	<p>How can technology facilitate communication and improve educational and personal success?</p>	<p>Illustrate and communicate original ideas and stories using digital tools and media-rich resources. [Media-rich: Multiple forms of digital applications in one product (e.g., graphic design, word processing, and spreadsheet)].</p> <p>Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using electronic tools.</p>	<p>8.1.2.B.1 8.1.2.C.1</p>	<p>-based on classroom studies (penguins?)</p> <ul style="list-style-type: none"> - make illustration - type paragraph - include data <p>-Skype, create interview questions to go along with topic (penguins?) and use Skype to interview students from another school</p> <p>-use of online software ex: learning.com’s EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

1st Unit 3	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Writing about technology</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Social Studies</p>	<p>How can technology be beneficial but problematic at the same time?</p>	<p>Use digital tools and online resources to explore a problem or issue affecting children, and discuss possible solutions</p> <p>Investigate the influence of a specific technology on the individual, family, community, and environment</p> <p>Know and use various text structures (e.g., sequence) and text features (e.g., headings, tables of contents, glossaries, electronic menus, icons) to locate key facts or information in a text</p>	<p>8.1.2.E.1 8.2.2.B.2 RI.1.5</p>	<p>- investigate time spent playing video games</p> <ol style="list-style-type: none"> 1. Investigate how video games have changed over time. 2. pick favorite video game and describe the device (computer, wii, iPad, etc.), the object of the game, and how much time is spent playing it. 3. discuss why video games are problematic and why they are beneficial. 4. create a cover for the document and a table of contents <p>-use of online software ex: learning.com’s EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

1 st Unit 4	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Publishing a Book</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science</p>	<p>How can technology be used to problem solve and promote creativity and learning?</p>	<p>With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers</p> <p>With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question</p>	<p>W.1.6 W.1.8</p>	<p>-As a class, write a book about sea turtles that contains both fiction and non-fiction writing.</p> <p>-using a template in PDF format, students will complete a graphic organizer to use when typing final product</p> <p>-each student will complete a fiction and a non-fiction story about a sea turtle.</p> <p>-students will create art work to be featured in the book.</p> <p>-upload stories and art work to an online book publishing company (ex. https://eschooltools.com/)</p> <p>-use of online software ex: learning.com's EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

2nd Unit 1	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Informational Document</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science Social Studies</p>	<p>How can technology be used to problem solve and promote creativity and learning?</p>	<p>Create a document with text using a word processing program</p> <p>Demonstrate the ability to navigate in virtual environments that are developmentally appropriate. (Virtual environments: For example, games, simulations, websites, blogs)</p> <p>Discuss the common uses of computer applications and hardware and identify their advantages and disadvantages</p> <p>Use mapping tools to plan and choose alternate routes to and from various locations. (Mapping tools: For example, Google earth, Yahoo maps, and Google maps)</p> <p>Know and use various text features (e.g., captions, bold print, subheadings, glossaries, indexes, electronic menus, icons) to locate key facts or information in a text efficiently</p>	<p>8.1.2.A.4 8.1.2.A.5 8.1.2.A.3 8.1.2.F.1 RI.2.5</p>	<p>- make an informational document that contains captions, bold print, subheadings, glossary, and index (dinosaurs)</p> <p>-pick a location for a dino park using Google earth and create directions</p> <p>-using digital format, (Paint program) design the park. Include title, map key, icons, etc.</p> <p>-use of online software ex: learning.com's EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

2 nd Unit 2	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Digital Story</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Social Studies Art</p>	<p>How can technology be used to enhance presentations?</p>	<p>Illustrate and communicate original ideas and stories using digital tools and media-rich resources. [Media-rich: Multiple forms of digital applications in one product (e.g., graphic design, word processing, and spreadsheet)]</p> <p>Model legal and ethical behaviors when using both print and non-print information by citing resources</p>	<p>8.1.2.B.1 8.1.2.D.1</p>	<p>-type (pioneer) story in Word and copy story into PowerPoint -incorporate drawings into PowerPoint -record voice and use as narration of PowerPoint story</p> <p>-use of online software ex: learning.com's EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

2 nd Unit 3	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="178 267 388 332">Investigate and report</p> <p data-bbox="178 479 388 576">Inter-disciplinary Connections</p> <p data-bbox="178 625 388 755">Language Arts Social Studies Math Health</p>	<p data-bbox="388 300 588 479">How can we collaborate with other peers from a distance?</p>	<p data-bbox="588 267 961 511">Engage in a variety of developmentally appropriate learning activities with students in other classes, schools, or countries using electronic tools</p> <p data-bbox="588 552 961 722">Use digital tools and online resources to explore a problem or issue affecting children, and discuss possible solutions</p> <p data-bbox="588 763 961 933">With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers</p> <p data-bbox="588 974 961 1144">Recall information from experiences or gather information from provided sources to answer a question</p>	<p data-bbox="961 267 1119 397">8.1.2.C.1 8.1.2.E.1 W.2.6 W.2.8</p>	<p data-bbox="1119 267 1633 836"> Topic: School lunches -Find out the area's best and worst school lunches. -students will work in groups to develop questions to ask students from other schools regarding school lunch. -students will record responses (on paper or audio recording device) -as a group, students will write a report based on school lunches. -if data collected lends itself to easy graphing, students will use Excel to input data and produce a graph. -use of online software ex: learning.com's EasyTech </p>	<p data-bbox="1633 267 1906 332">Teacher Observation</p> <p data-bbox="1633 373 1906 406">Rubrics</p> <p data-bbox="1633 446 1906 511">Software Based Skills Assessment</p> <p data-bbox="1633 552 1906 584">Quizzes</p>

2 nd Unit 4	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Digital Stories</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Math Science Social Studies Art</p>	<p>How can technology be used to enhance presentations?</p>	<p>Create audio recordings of stories or poems; add drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings</p>	<p>SL.2.5</p>	<p>- In collaboration with classroom teacher, students will write stories and poems based on classroom topics</p> <p>- Record voice while reciting a story, make illustrations to be scanned, and combine in PowerPoint or online book like https://eschooltools.com/ to develop a final product</p> <p>-use of online software ex: learning.com’s EasyTech</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

3 rd Unit 1	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Report Writing</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science</p>	<p>What skills and knowledge are required to be a successful contributor in the 21st Century?</p>	<p>Demonstrate effective input of text and data using an input device</p> <p>Create a document with text formatting and graphics using a word processing program</p> <p>With guidance and support from adults, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others</p>	<p>8.1.4.A.1 8.1.4.A.2 W.3.6</p>	<p>-Discuss what the students have learned about monarch butterflies in science class.</p> <p>-Take pictures of their monarch butterfly habit on iPad to use as life cycle pictures to incorporate into essay</p> <p>-Brainstorm questions that should be answered through research</p> <p>-Participate in teacher guided research, taking notes on attached butterfly fact sheet.</p> <p>-Compile fact sheets so that the students can use them to write their own three paragraph essay about monarch butterflies</p> <p>-Type a three paragraph essay about monarch butterflies</p> <p>-use of online software ex: learning.com's EasyTech (focus on typing)</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

3rd Unit 2	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Investigating Pertinent Issues</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Social Studies</p>	<p>How can we collaborate with other peers from a distance?</p>	<p>Engage in online discussions with learners in the United States or from other countries to understand their perspectives on a global problem or issue. (Online discussion: UNICEF, Oracle, i-Earn, blogs, wikis.)</p> <p>Investigate a problem or issue found in the United States and/or another country from multiple perspectives, evaluate findings, and present possible solutions, using digital tools and online resources for all steps</p> <p>Recall information from experiences or gather information from print and digital; take brief notes on sources and sort evidence into provided categories</p>	<p>8.1.4.C.1 8.1.4.E.1 W.3.8</p>	<p>Investigating Bullying</p> <ul style="list-style-type: none"> -working in groups, students will develop a questionnaire to be used during a discussion about bullying with students from another school -students will develop solutions to specific bullying issues. -students will act out problems and solutions (record skits and compile into a video resource: kids helping kids) -use of online software ex: learning.com's EasyTech 	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

3 rd Unit 3	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="178 267 378 332">Investigate and Report</p> <p data-bbox="178 479 346 576">Inter-disciplinary Connections</p> <p data-bbox="178 625 367 722">Language Arts Science Social Studies</p>	<p data-bbox="388 300 577 584">How can technology tools be used to problem solve and promote creativity and learning?</p>	<p data-bbox="588 267 955 332">Analyze the need for and use of copyrights</p> <p data-bbox="588 373 955 511">Select and apply digital tools to collect, organize, and analyze data that support a scientific finding</p> <p data-bbox="588 552 955 755">Using a digital format, compare and contrast how a technology product has changed over time due to economic, political, and/or cultural influences</p> <p data-bbox="588 803 955 868">Design an alternative use for an existing product</p> <p data-bbox="588 909 955 1079">Explain the positive and negative effect of products and systems on humans, other species, and the environment</p> <p data-bbox="588 1120 955 1291">Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate information relevant to a given topic efficiently</p>	<p data-bbox="961 267 1102 479">8.1.4.D.2 8.1.4.F.1 8.2.4.A.2 8.2.4.B.2 8.2.4.B.3 RI.3.5</p>	<p data-bbox="1117 267 1627 446">- In cooperation with the classroom teacher, compile an informational book derived from research that contains captions, bold print, subheadings, glossary, and index</p> <p data-bbox="1117 479 1627 552">Topics: change in technology over time, alternate use for a product</p> <p data-bbox="1117 584 1627 657">-use of online software ex: learning.com’s EasyTech</p>	<p data-bbox="1633 267 1795 332">Teacher Observation</p> <p data-bbox="1633 373 1743 406">Rubrics</p> <p data-bbox="1633 446 1858 511">Software Based Skills Assessment</p> <p data-bbox="1633 552 1743 584">Quizzes</p>

3 rd Unit 4	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="178 266 388 370">Digital Comics using PowerPoint</p> <p data-bbox="178 516 388 620">Inter-disciplinary Connections</p> <p data-bbox="178 662 388 799">Language Arts Science Math Art</p>	<p data-bbox="394 266 590 548">How can technology be used to enhance learning and foster creativity?</p>	<p data-bbox="596 266 961 409">Select and apply digital tools to collect, organize, and analyze data that support a scientific finding</p> <p data-bbox="596 451 961 760">Create engaging audio recordings of stories or poems that demonstrate fluid reading at an understandable pace; add visual displays when appropriate to emphasize or enhance certain facts or details</p>	<p data-bbox="968 266 1115 337">8.1.4.F.1 SL.3.5</p>	<p data-bbox="1121 266 1633 370">- In collaboration with science or math teacher, students will collect, organize, and analyze data.</p> <p data-bbox="1121 376 1633 480">-students will import data into Excel and create a graph to aid in the analyzing of the data.</p> <p data-bbox="1121 522 1633 659">- In a group, students develop and act out a comic. Students will illustrate each piece of the comic, scan the pieces and then record audio</p>	<p data-bbox="1640 266 1906 337">Teacher Observation</p> <p data-bbox="1640 376 1906 409">Rubrics</p> <p data-bbox="1640 451 1906 516">Software Based Skills Assessment</p> <p data-bbox="1640 555 1906 587">Quizzes</p>

4 th Unit 1	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Data Input</p> <p>Inter-disciplinary Connections</p> <p>Math Science Physical Ed. Health Social Studies</p>	<p>How can we use technology to organize and display data?</p> <p>Why is ethical and socially-responsible behavior critical when using technology?</p>	<p>Create a simple spreadsheet, enter data, and interpret the information</p> <p>Determine the benefits of a wide range of digital tools by using them to solve problems</p> <p>Explain the need for each individual, as a member of the global community, to practice cyber safety, cyber security, and cyber ethics when using existing and emerging technologies</p> <p>Explain the purpose of an acceptable use policy and the consequences of inappropriate use of technology</p>	<p>8.1.4.A.4 8.1.4.A.5 8.1.4.D.1 8.1.4.D.3</p>	<p>-use of online software ex: learning.com’s EasyTech</p> <p>-Create a spreadsheet that displays individual results from physical fitness tests (have students perform selected tests more than once to show improvement or decline in results with practice)</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

4 th Unit 2	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="178 264 388 332">Investigate and Report</p> <p data-bbox="178 479 388 576">Inter-disciplinary Connections</p> <p data-bbox="178 625 388 722">Language Arts Social Studies Science</p>	<p data-bbox="394 264 588 544">How can technology be used to problem solve and promote creativity and learning?</p>	<p data-bbox="594 264 961 511">Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources</p> <p data-bbox="594 552 961 933">With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting</p>	<p data-bbox="968 264 1113 332">W.4.6 W.4.8</p>	<p data-bbox="1119 264 1627 332">-use of online software ex: learning.com’s EasyTech</p> <p data-bbox="1119 373 1627 479">-work with classroom teacher to guide students in producing a social studies/science research paper</p> <p data-bbox="1119 519 1627 868">Topics: energy shortage, gas prices, recycling Introduce activity using planning sheets -Research to answer the questions on the planning sheet -Develop notes into paragraphs for essay -Type essay -Include a plan to help fix the issue discussed in the report</p>	<p data-bbox="1633 264 1900 332">Teacher Observation</p> <p data-bbox="1633 373 1900 406">Rubrics</p> <p data-bbox="1633 446 1900 511">Software Based Skills Assessment</p> <p data-bbox="1633 552 1900 584">Quizzes</p>

4 th Unit 3	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Media Rich Digital Stories</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Social Studies</p>	<p>How can technology be used for investigation of local events or issues?</p> <p>How can technology be used to enhance presentations?</p>	<p>Create and present a multimedia presentation that includes graphics</p> <p>Produce a media-rich digital story about a significant local event or issue based on first-person interviews. [Media-rich: Multiple forms of digital applications in one product (e.g., graphic design, word processing, and spreadsheet).]</p> <p>Evaluate the accuracy of, relevance to, and appropriateness of using print and non-print electronic information sources to complete a variety of tasks</p> <p>Write informative/explanatory texts to examine a topic and convey ideas and information clearly</p>	<p>8.1.4.A.3 8.1.4.B.1 8.1.4.E.2 W.4.2</p>	<p>-use of online software ex: learning.com’s EasyTech</p> <p>-Current Event</p> <p>-include pictures, summary and reflection on a current event article</p> <p>-students will complete a digital questionnaire to be used as a reflection sheet for the article</p> <p>-Students will write a letter (to be emailed) to someone closely involved with the current event issue asking their own questions pertaining to the issue.</p> <p>-Students will use information gained to display in a presentation about the current event issue.</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

4th Unit 4	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Research and Information Literacy</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science Math Art</p>	<p>What does it mean to be technologically literate?</p>	<p>Select and apply digital tools to collect, organize, and analyze data that support a scientific finding.</p> <p>Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears</p> <p>Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes</p>	<p>8.1.4.F.1 RI.4.7 SL.4.5</p>	<p>-use of online software ex: learning.com’s EasyTech</p> <p>-in collaboration with science teacher, write a report, add audio, graphics, graphs, animations, etc.</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

5 th Unit 1	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Data Display and Functions of Spreadsheets</p> <p>Inter-disciplinary Connections</p> <p>Math Social Studies</p>	<p>How can technology aid in organizing data?</p> <p>Why is ethical and socially-responsible behavior critical when using technology?</p>	<p>Generate a spreadsheet to calculate, graph, and present information.</p> <p>Select and use appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.</p> <p>Model appropriate online behaviors related to cyber safety, cyber bullying, cyber security, and cyber ethics.</p>	<p>8.1.8.A.4 8.1.8.A.5 8.1.8.D.1</p>	<p>-use of online software ex: learning.com’s EasyTech</p> <p>-Harvest Fest Shopping Activity</p> <p>-Students will use an online circular for Shoprite (shop from home) to search for and find prices for items needed</p> <p>-Students will complete a spreadsheet to determine the total amount needed for Harvest Fest</p> <p>-Students will insert formulas to determine the total money amount.</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

5 th Unit 2	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Development of the Research Paper</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Social Studies</p>	<p>How can technology facilitate communication and improve academic success?</p>	<p>Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.</p> <p>Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.</p> <p>Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</p>	<p>W.5.8 RI.5.7 W.5.2</p>	<p>-use of online software ex: learning.com’s EasyTech</p> <p>-work with classroom teacher to guide students in producing a social studies research paper</p> <p>Stone Age: Introduce activity using planning sheets</p> <p>-Research to answer the questions on the planning sheet</p> <p>-Develop notes into paragraphs for essay</p> <p>-Type essay</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

5 th Unit 3	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="178 267 388 365">Other Presentation Formats (Prezi)</p> <p data-bbox="178 511 388 617">Inter-disciplinary Connections</p> <p data-bbox="178 657 388 722">Language Arts Science</p>	<p data-bbox="388 300 588 544">How can technology facilitate communication and improve academic success?</p> <p data-bbox="388 584 588 755">Why is it important to learn multiple ways to present data?</p>	<p data-bbox="588 267 961 479">Create a multimedia presentation including sound and images. (Multimedia presentation: For example, movie, podcast, vlog.)</p> <p data-bbox="588 519 961 868">Gather and analyze findings using data collection technology to produce a possible solution for a content-related or real-world problem. (Data-collection technology: For example, probes, handheld devices, and geographic mapping systems.)</p>	<p data-bbox="961 267 1119 332">8.1.8.A.3 8.1.8.E.1</p>	<p data-bbox="1119 267 1633 332">-use of online software ex: learning.com’s EasyTech</p> <p data-bbox="1119 406 1633 795"> Discuss what the students have learned about biomes in science -Introduce activity using planning sheets -Research to answer the questions on the planning sheet -Develop notes into paragraphs for essay -Type essay -Find images of biome to incorporate into presentation -Develop Prezi presentation </p>	<p data-bbox="1633 267 1906 332">Teacher Observation</p> <p data-bbox="1633 373 1906 406">Rubrics</p> <p data-bbox="1633 446 1906 511">Software Based Skills Assessment</p> <p data-bbox="1633 552 1906 584">Quizzes</p>

5 th Unit 4	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Using Recording Devices</p> <p>Inter-disciplinary Connections</p> <p>Language Arts Science Art</p>	<p>How can technology assist in answering a question?</p> <p>How can technology be used to enhance presentations?</p>	<p>With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of two pages in a single sitting</p> <p>Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes</p>	<p>W.5.6 SL.5.5</p>	<p>-use of online software ex: learning.com’s EasyTech</p> <p>-students will develop a scientist presentation</p> <p>-students will develop interview questions to be asked when pretending to be their scientist</p> <p>-have a partner conduct the interview using the questions that the student developed (they should answer the questions correctly based on their research.)</p> <p>Record interview on iPad to incorporate into presentation (from iPad, on PowerPoint, on Prezi, etc.)</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

6 th – 8 th Unit 1	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Tech Literacy</p> <p>Inter-disciplinary Connections</p> <p>All subject areas</p>	<p>How can technology facilitate communication and improve academic success?</p>	<p>Create professional documents (e.g., newsletter, personalized learning plan, business letter or flyer) using advanced features of a word processing program.</p> <p>Plan and create a simple database, define fields, input data, and produce a report using sort and query.</p> <p>Select and use appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.</p> <p>Summarize the application of fair use and Creative Commons guidelines.</p> <p>Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.</p>	<p>8.1.8.A.1 8.1.8.A.2 8.1.8.A.5 8.1.8.D.2 W.6-8.2</p>	<p>Topics:</p> <p>6th Greece, genetic disorders</p> <p>7th Colonies, use of minerals</p> <p>8th Civil War, Uses of elements</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

		<p>6th Use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of three pages in a single sitting.</p> <p>7th Use technology, including the Internet, to produce and publish writing and link to and cite sources as well as to interact and collaborate with others, including linking to and citing sources.</p> <p>8th Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas efficiently as well as to interact and collaborate with others.</p> <p>Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.</p>	<p>W.6.6 W.7.6 W.8.6 WHST.6-8.6</p>		
--	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------	--	--

6 th – 8 th Unit 2	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="184 305 357 440">Communication and Collaboration</p> <p data-bbox="184 589 342 688">Inter-disciplinary Connections</p> <p data-bbox="184 732 317 797">All subject Areas</p>	<p data-bbox="403 305 575 548">How can technology facilitate communication and improve academic success?</p>	<p data-bbox="606 267 955 524">Synthesize and publish information about a local or global issue or event on a collaborative, web-based service (also known as a shared hosted service). (Shared hosted services: For example, podcasts, videos, or vlogs.)</p> <p data-bbox="606 560 947 846">Participate in an online learning community with learners from other countries to understand their perspectives on a global problem or issue, and propose possible solutions. (Online learning community: For example, i-Earn, Ning, blogs, wikis, Second Life.)</p> <p data-bbox="606 881 947 976">Demonstrate how information on a controversial issue may be biased.</p> <p data-bbox="606 1011 942 1365">Use an electronic authoring tool in collaboration with learners from other countries to evaluate and summarize the perspectives of other cultures about a current event or contemporary figure. [Electronic authoring tools: Software that facilitates online book development (e.g., multimedia electronic book).]</p>	<p data-bbox="980 267 1106 402">8.1.8.B.1 8.1.8.C.1 8.1.8.D.3 8.1.8.F.1</p>	<p data-bbox="1131 267 1220 297">Topics:</p> <p data-bbox="1131 337 1549 402">6th Rome and Christianity, extreme bacteria</p> <p data-bbox="1131 443 1570 508">7th Revolutionary War, International Space Station</p> <p data-bbox="1131 548 1570 578">8th Reconstruction, Sir Isaac Newton</p>	<p data-bbox="1650 267 1793 332">Teacher Observation</p> <p data-bbox="1650 373 1738 402">Rubrics</p> <p data-bbox="1650 443 1856 508">Software Based Skills Assessment</p> <p data-bbox="1650 548 1743 578">Quizzes</p>

		<p>6th Gather relevant information from multiple print and digital sources; assess the credibility of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and providing basic bibliographic information for sources.</p> <p>7th Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.</p> <p>8th Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.</p>	<p>W.6.8 W.7.8 W.8.8</p>		
--	--	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------	--	--

6 th – 8 th Unit 3	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p>Enhancing the Research Paper</p> <p>Inter-disciplinary Connections</p> <p>All subject areas</p>	<p>How can technology assist in enhancing projects and foster creativity?</p>	<p>Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.</p> <p>Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts</p> <p>Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.</p> <p>Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.</p>	<p>RI.6.7 RH.6-8.7</p> <p>WHST.6-8.2</p> <p>WHST.6-8.8</p>	<p>-autobiography project</p> <p>- use Excel to develop charts or graphs to include in research paper</p> <p>Additional Topics:</p> <p>6th Africa, Middle East, Medicinal Plants</p> <p>7th Constitution, Extreme weather</p> <p>8th Career studies, Energy sources</p>	<p>Teacher Observation</p> <p>Rubrics</p> <p>Software Based Skills Assessment</p> <p>Quizzes</p>

6 th – 8 th Unit 4	Essential Questions	Students will be able to:	Standards	Suggested Activities	Assessments
<p data-bbox="184 305 344 440">Critical Thinking and Problem Solving</p> <p data-bbox="184 589 344 688">Inter-disciplinary Connections</p> <p data-bbox="184 732 317 792">All subject areas</p>	<p data-bbox="403 305 575 509">Why should students know multiple ways to present information?</p>	<p data-bbox="600 267 953 472">Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.</p> <p data-bbox="600 516 953 688">Include multimedia components and visual displays in presentations to clarify claims and findings and emphasize salient points</p> <p data-bbox="600 732 911 937">Integrate multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.</p>	<p data-bbox="978 267 1052 367">SL.6.5 SL.7.5 SL.8.5</p>	<p data-bbox="1131 267 1367 293">Prezi Presentations</p> <p data-bbox="1131 337 1220 363">Topics:</p> <p data-bbox="1131 407 1446 433">6th Middle Ages, Pollution</p> <p data-bbox="1131 477 1514 537">7th Westward Expansion, Ocean Pollution</p> <p data-bbox="1131 581 1514 641">8th Personal Finance, History of Computers</p>	<p data-bbox="1650 267 1793 328">Teacher Observation</p> <p data-bbox="1650 371 1738 397">Rubrics</p> <p data-bbox="1650 441 1856 501">Software Based Skills Assessment</p> <p data-bbox="1650 545 1738 571">Quizzes</p>

