

Mount Pleasant CSD

Technology Benchmarks

Common Core Technology Integration

This document aligns the International Society for Technology in Education (ISTE) Standards with the Common Core State Standards, grade-level benchmarks, and suggested technology resources to support critical thinking skills in the 21st Century.

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May 29, 2014

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Table of Contents

Third Grade.....	11
Fourth Grade	16
Fifth Grade.....	23

(Adopted and Modified with Permission from [USD 473 Technology Plan/Common Core Technology Integration](#))

Third Grade

Common Core Reading for Informational Text Standard 5: Use text features and search tools (e.g., key words, sidebars, hyperlinks) to locate information relevant to a given topic efficiently.

Reading for Informational Text 7: Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).

Technology Standards	Technology Integration	Suggested Resources
<p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information.</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will identify and investigate a topic. ● Students will extract pertinent information from online sources and apply it to the topic at hand ● Utilize a web search engine appropriately. ● Navigate within an online database ● Evaluate information for reliability and relevance to the topic being researched from Internet sources. 	<ul style="list-style-type: none"> ● Library Online Databases ● Library Media Specialist ● CIA Sourcebook

Third Grade

Common Core Writing Standard 6: 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.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information.</p> <p>5. <i>Digital Citizenship</i> Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Engage in writing activities individually and collaboratively. ● Collaborate with other students by using an online social media format such as a classroom blog or wiki. ● Student will always use proper keyboard technique when using computers. ● Produce a media-rich digital story that includes a written narrative. ● With guidance, choose the most appropriate format for presenting information by identifying the audience, and considering length of presentation and type of information to share. 	<ul style="list-style-type: none"> ● KidsBlog ● Edmodo ● Monsters Exchange ● Wikispaces ● Keynote ● Microsoft Office

Third Grade

Common Core Writing Standard 7: Conduct short research projects that build knowledge about a topic.

Common Core Writing Standard 8: Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.

Technology Standards	Technology Integration	Suggested Resources
<p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>5. <i>Digital Citizenship</i> Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will be introduced to all available resources, including the use of online databases to locate and cite relevant information. ● Students will begin to apply steps of a problem-solving model to conduct a search for information, focusing on appropriate resources. ● Research a topic, take notes in a graphic organizer, and present information using multimedia software in small groups. ● Evaluate information, from both print and digital sources, based on relevance and reliability. ● Conduct advanced keyword and/or subject searches on the library catalog and on the Internet to locate needed materials. ● Understand the difference between information presented as fact versus opinion. ● Understand and access databases to find appropriate information. ● Identify the difference between actual quotations, similar ideas and original thought in constructing a report. ● Utilize correct formatting within word processing document. ● Practice responsible use of technology systems by understanding that using other resources, even online, requires giving credit. ● Correctly cite research documentation within a works cited page. Student may use online resources such as www.bibme.org. 	<ul style="list-style-type: none"> ● Library Media Specialist ● Library Databases School ● Library Catalog ● Bibme.org ● Pages ● Word

Third Grade

Common Core Speaking & Listening Standard 2: Determine the main ideas and supporting details of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.

Common Core Speaking & Listening Standard 5: 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.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p>	<ul style="list-style-type: none"> ● Compare written text and video presentations of the same story, discussing the difference and similarities between the two. ● Use a voice recorder to record students reading from a book. ● Participate in peer editing by listening to a classmate's recording and providing feedback. ● Collect data and graph results on a local topic (e.g., daily weather) and present findings using a spreadsheet software program. ● Test reading fluency using an audio recording device (iPods, etc.) ● Create graphic organizers, story maps, thinking maps, etc. electronically to convey their understanding of story elements. 	<ul style="list-style-type: none"> ● GarageBand ● Audacity ● VoiceThread

Third Grade

Mathematical Practices 4: Model with mathematics. Mathematically proficient students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace.

Mathematical Practices 5: Use appropriate tools strategically. Mathematically proficient students consider the available tools when solving a mathematical problem.

Technology Standards	Technology Integration	Suggested Resources
<p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will use technology to solve real world math problems. ● Use graphic mapping software ● Use cameras to act out and demonstrate problem solving techniques. ● Use observations, surveys and experiments to record data. 	<ul style="list-style-type: none"> ● Calculator ● Excel ● Flip Cameras ● Digital Cameras ● Google Forms

Fourth Grade

Common Core Reading for Informational Text Standard 6: Compare and contrast a firsthand and secondhand account of the same event or topic; describe the differences in focus and the information provided.

Technology Standards	Technology Integration	Suggested Resources
<p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p>	<ul style="list-style-type: none"> ● Students will investigate primary and secondary sources available on the Internet and decipher the information. ● Students will participate in Webquests using primary and secondary sources. ● Students will create a presentation using primary and secondary sources found online. 	<ul style="list-style-type: none"> ● Library of Congress Archives ● National Archives ● History Matters ● Webquest Resources ● Animoto

Common Core Reading Standard for Literature 7: 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.

Technology Standards	Technology Integration	Suggested Resources
<p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will interpret and use a wide range of found online information to enhance curriculum. ● Use a computer created visual aid to assist in a presentation on a book or written work. ● Students will use online tutorials to enhance their understanding of curriculum. 	<ul style="list-style-type: none"> ● Learn 360 ● Google Maps ● Google Timeline ● Google Earth ● Blogs ● Virtual Field Trips ● Webquest ● Library of Congress ● Thinkfinity

Fourth Grade

Common Core Reading for Informational Text Standard 4: Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topics or subject area.

Common Core Reading for Informational Standard Text 9: Integrate information from two texts on the same topic in order to write or speak about the subject knowledgeably.

Common Core Writing Standard 7: Conduct short research projects that build knowledge through investigation of different aspects of a topic.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>5. <i>Digital Citizenship</i> Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Apply the basic steps of a problem-solving model to conduct a search for information. ● Conduct advanced keyword and/or subject searches on the library catalog and online sources to locate needed materials on a favorite leisure, animal, or sport activity. ● Effectively utilize a variety of databases to locate needed information by utilizing a database's advanced features. ● Evaluate information for reliability and relevance to the topic being researched from Internet sources. ● Construct a bibliography page using a professional editorial style of sources used in correct order according to author, title, publisher, date, place of publication and page numbers. 	<ul style="list-style-type: none"> ● Library Media Specialist ● School Library ● Catalog ● Library Databases ● EasyBib ● Microsoft Word or similar

Fourth Grade

Common Core Reading for Informational Text Standard 7: 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.

Common Core Writing Standard 2a: introduce a topic clearly, provide a general observation and focus, and group related information logically; include formatting (e.g., heading), illustrations, and other multimedia when useful to aiding comprehension.

Technology Standards	Technology Integration	Suggested Resources
<p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p>	<ul style="list-style-type: none"> ● Students will listen to and evaluate information from a variety of online sources. ● Collect data for a personal use in a graphic organizer, note cards, outline, or any other product online to meet the students' needs. ● Utilize computerized tools to visually display information. ● Discuss how to best determine the accuracy of a website by checking the copyright date, author's authority and research base of material. 	<ul style="list-style-type: none"> ● Learn 360 ● Google Maps ● Google Timeline ● Google Earth ● Blogs ● Wiki's ● Virtual Field Trips ● Webquest

Fourth Grade

Common Core Writing Standard 6: 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.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>5. <i>Digital Citizenship</i> Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will use online tools to produce, publish, and collaborate on a project. ● Use blogs, wikis, etc. to publish written works online for all to view. ● Engage in peer editing by reviewing classmates presentations and providing feedback. ● Practice responsible use of technology with an understanding of basic issues related to use of technology and information and describe the personal consequences of inappropriate use. 	<ul style="list-style-type: none"> ● KidsBlog ● Edmodo ● Wikispaces ● Animoto ● Voicethread

Common Core Writing Standard 8: 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.

Technology Standards	Technology Integration	Suggested Resources
<p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>5. <i>Digital Citizenship</i> Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p>	<ul style="list-style-type: none"> ● Students will select and apply the tools needed to organize, analyze, and cite information. ● Use online data tools to organize information. ● Use online bibliography tools to create works cited/bibliography. 	<ul style="list-style-type: none"> ● EasyBib

Fourth Grade

Common Core Speaking and Listening Standard 2: Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p>	<ul style="list-style-type: none"> ● Students will listen to and evaluate information using online sources. ● Explore a variety of digital media formats available to them through the Internet. 	<ul style="list-style-type: none"> ● Wordsift ● Mind mapping

Fourth Grade

Common Core Speaking and Listening Standard 5: Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p>	<ul style="list-style-type: none"> ● Add audio, visuals, or pictures into a presentation. ● With assistance, choose the most appropriate format for presenting information by identifying an audience, and considering length of presentation and type of information to share. 	<ul style="list-style-type: none"> ● GarageBand ● Keynote ● iMovie ● Animoto ● VoiceThread ● Prezi ● Microsoft Office

Common Core Language Standard 4c: Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.

Technology Standards	Technology Integration	Suggested Resources
<p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations</p>	<ul style="list-style-type: none"> ● Students will use online and digital reference materials when needed. ● Students will utilize hyperlinks in existing online text to clarify meaning of key words. ● Students will use an online dictionary/thesaurus 	<ul style="list-style-type: none"> ● Dictionary.com ● Learner's Dictionary ● FactMonster ● WordCentral ● Wolfram Alpha ● Google - "define:" feature

Fourth Grade

Mathematical Practices 4: Model with mathematics. Mathematically proficient students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace.

Mathematical Practices 5: Use appropriate tools strategically. Mathematically proficient students consider the available tools when solving a mathematical problem.

Technology Standards	Technology Integration	Suggested Resources
<p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Use graphic mapping software ● Students will use technology to solve real world math problems. ● Use cameras to act out and demonstrate problem solving techniques. ● Use observations, surveys and experiments to record data. 	<ul style="list-style-type: none"> ● Calculator ● Excel ● Flip Cameras ● Diagram.ly ● Google Form

Fifth Grade

Common Core Reading for Informational Text Standard 7: 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.

Technology Standards	Technology Integration	Suggested Resources
<p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information.</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems. ● Use appropriate Boolean searches to find information on the Internet. ● Understand the basic search query process utilized by Google and other search engines. ● Know which sites are appropriate for the information needed. 	<ul style="list-style-type: none"> ● FactMonster ● Google ● Infotopia ● Library Media Specialist

Common Core Writing Standard 6: 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.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>5. <i>Digital Citizenship</i> Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Use blogs, wikis, etc. to publish written works online for all to view. ● Engage in peer editing by reviewing and responding to classmates work and use the assignment criteria to identify gaps or holes. ● Understand the responsible use of technology and information presented online through social media sites and relate personal consequences of inappropriate use. 	<ul style="list-style-type: none"> ● Blogger ● Wikispaces ● Library Media Specialist ● Google Docs/Chromebooks

Fifth Grade

Common Core Writing Standard 7: Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.

Common Core Writing Standard 8: Recall relevant information from experiences or gather relevant information from print and digital sources: summarize or paraphrase information in notes and finish work, and provide a list of sources.

Common Core Writing Standard 2a: Introduce a topic clearly, provide a general observation and focus, and group related information logically; including formatting (e.g., headings), illustrations, and multimedia when useful to aiding comprehension.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>5. <i>Digital Citizenship</i> Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will use all available resources, including online databases, to locate and cite information cumulating into a research paper that has been formatted correctly. ● Use a variety of online reference tools, including databases, websites, and any other sites deemed necessary and appropriate. ● Use research tips such as skimming or scanning information found in print and online sources for relevance to interest using text features such as tables, summaries, subject headings, etc. ● Analyze, with guidance, for clarification, reorganization of ideas and/or elimination of extraneous information. ● Verify accuracy of information found (e.g., current and appropriate, according to copyright date and authority, bias present). ● Understand how fact, opinion, and points of view are different from each other. ● Define plagiarism and states the full citation or information used for research. Write citation information in appropriate bibliographical format for multiple sources: e.g., audio-visual, Internet, oral resources. 	<ul style="list-style-type: none"> ● Word ● EasyBib ● Prezi ● Google Docs

Fifth Grade

Common Core Speaking and Listening Standard 2: Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.

Common Core Speaking and Listening Standard 5: Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes.

Technology Standards	Technology Integration	Suggested Resources
<p>1. <i>Creativity and Innovation</i> Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information.</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Create an audio recording in a project to enhance text. ● Students will create an audio recording that illustrates and communicates original ideas and stories. ● Create an audio recording and visual images in a digital story online. 	<ul style="list-style-type: none"> ● VoiceThread ● GarageBand ● HTML 5 Audio Editor ● Voice Recorder

Common Core Language Standard 4c: Consult reference materials (e.g., dictionaries, glossaries, thesauruses), both print and digital, to find the pronunciation and determine or clarify the precise meaning of key words and phrases.

Technology Standards	Technology Integration	Suggested Resources
<p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will use online and digital reference materials to enhance understanding. ● Use software embedded dictionary tools. ● Use an online dictionary/thesaurus for new words encountered in text. 	<ul style="list-style-type: none"> ● Learner's Dictionary ● Factmonster ● Wordsift ● Word Central ● Wolfram Alpha ● Google - "define:" feature

Fifth Grade

Mathematical Practices 4: Model with mathematics. Mathematically proficient students can apply the mathematics they know to solve problems arising in everyday life, society, and the workplace.

Technology Standards	Technology Integration	Suggested Resources
<p>2. <i>Communication and Collaboration</i> Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.</p> <p>3. <i>Research and Information Fluency</i> Students apply digital tools to gather, evaluate, and use information. Students:</p> <p>4. <i>Critical Thinking, Problem Solving, and Decision Making</i> Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.</p> <p>6. <i>Technology Operations and Concepts</i> Students demonstrate a sound understanding of technology concepts, systems, and operations.</p>	<ul style="list-style-type: none"> ● Students will use technology to solve real world math problems. ● Use graphic mapping software ● Use cameras to act out and demonstrate problem solving techniques. 	<ul style="list-style-type: none"> ● Calculator ● Excel ● Flip Cameras ● Diagram.ly ● Google Forms ● Google Docs