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 and provides grade-level benchmarks and suggested technology resources to support critical thinking skills in the 21st Century

September 2018

Mount Pleasant CSD Technology Benchmarks
Common Core Technology Integration

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

Kindergarten

Common Core Writing Standard 6: With guidance & support from adults, explore a variety of digital tools to produce and publish writing, including collaboration with peers.

Technology Standards	Technology Integration	Suggested Resources
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Know how to turn a computer on and off and how to use the mouse and keyboard. ● Know the basic care of a computer (handling laptops, keyboard, mouse, etc.) ● Identifies letters and functions on the keyboard. (Note: students are not expected to use correct fingering) ● Write stories together as a class. ● Create, as a class, an electronic project by publishing original ideas with a word processing/desktop publishing or presentation software and selecting related images.	● Google Docs ● Mousercise

Common Core Writing Standard 7: Participate in shared research and writing projects (e.g., explore a number of books by a favorite author and express opinions about them.)

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● Students will explore books and websites related to the curriculum together as a class ● Students will be introduced to books, both print and online, to learn and later locate relevant information. ● Students will be able to access the Internet and navigate a website. ● Students will use grade appropriate websites to enhance curriculum.	● Library Catalog ● WebPath Express ● Raz Kids ● Storyline ● tvokids ● ABCYa ● PBS Kids ● Brain POP

Kindergarten

Common Core Speaking and Listening Standard 2: Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● As a class, students will experience and teachers will share stories orally and visually. ● Use document camera to project a book from an online source. ● Listen to an audio book. ● Watch a DVD version of a book.	● International Children's Digital Library ● StoryBee ● Storynory ● Raz Kids ● Storyline

First Grade

Common Core Writing Standard 6: With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers.		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Illustrate and communicate original ideas and stories using digital tools and media-rich resources. ● Publish student writing in a word processing program. ● Combine images and text into a word document to write a sequence of instructions.	● Google Docs ● TikaTok

First Grade

Common Core Writing Standard 7: Participate in shared research and writing projects (e.g., explore a number of "how to" books on a given topic and use them to write a sequence of instructions.

Technology Standards	Technology Integration	Suggested Resources
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● Students will explore research topics related to the curriculum together as a class. ● Students are introduced to resources, both print and online, to locate relevant information to enhance curriculum.	● Library Catalog ● WebPath Express ● Brain POP

Common Core Speaking and Listening Standard 2: Ask and answer questions about key details in a text read aloud or information presented orally or through other media.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● As a class, share stories orally and visually. ● Use document camera to project a book from an online source. ● Listen to an audio book or watch a DVD version of a book.	● International Children's Digital Library ● StoryBee ● Storynory ● Raz Kids ● Storyline

Second Grade

Common Core Reading for Literature Standard 7: Use information gained from the illustrations and words in a print or digital text to demonstrate understanding of its characters, setting, or plot.

Technology Standards	Technology Integration	Suggested Resources
4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Share stories orally and visually as a class as well as independently. ● View a storybook in an electronic format or audio. ● Listen to the same story being read aloud and compare and contrast the two for personal preference.	● International Children's Digital Library ● StoryBee ● Storynory ● Storyline ● Raz Kids ● TeachingBooks.net

Common Core Writing Standard 6: With guidance and support from adults, explore a variety of digital tools to produce and publish writing, including in collaboration with peers.

Technology Standards	Technology Integration	Suggested Resources
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will explore research topics related to curriculum together as a class. ● Use computer and multimedia technology for directed learning activities in an appropriate manner including use of passwords and network use. ● Use correct terminology when talking about computers and multimedia technology. ● Use presentation software to create a simple presentation (5 slides). ● Create a poster to advertise a book. ● Create a simple word processing document. ● Use appropriate multimedia or online resources to gather information.	● Google Docs ● Google Slides ● Library Catalog ● WebPath Express ● Brain POP

Second Grade

Common Core Writing Standard 7: Participate in shared writing projects (e.g., read a number of books on a single topic to produce a report; record science observations.)		
Technology Standards	**Technology Integration**	**Suggested Resources**
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will explore research topics to produce a report. ● Explore a variety of online websites that showcase narrative and expository text. ● Begin to apply the very basic steps of a problem-solving model to conduct a search for information, focusing on the big idea. (Ex: understanding what type of information they need, the difference between fiction and nonfiction, what types of sources give the most accurate information). ● Conduct keyword and/or subject searches on the library catalog and online sources to locate needed materials on a favorite leisure, animal, or sport activity. ● Research a topic using books and websites given by the instructor. ● With teacher assistance, construct a simple bibliography with author/title.	● Google Docs ● Library Catalog ● Library Databases ● WebPath Express ● Brain POP

Second Grade

Common Core Speaking and Listening Standard 2: Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Students will listen to and evaluate information or stories. ● Explore simulations through interactive software and websites. ● Respond to a class discussion electronically.	● Google Classroom ● Qwizdom ● International Children's Digital Library ● StoryBee ● Storynory ● Storyline ● Raz Kids

Common Core Speaking and Listening Standard 5: 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.

Technology Standards	Technology Integration	Suggested Resources
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will explore research topics to produce a report. ● Create a simple podcast. ● Use simple graphing software to record the results of a survey in class. ● Use concept-mapping software with teacher assistance	● Kidspiration ● Audacity ● FlipGrid ● Voicethread ● Google Docs ● Google Forms ● Google Sheets ● Google Drawing

Second Grade

Common Core Language Standard 4e: Use glossaries and beginning dictionaries, both print and digital, to determine or clarify the meaning of words and phrases.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Use online and digital resources to determine and clarify meaning of words and phrases. ● Use software embedded dictionary tools. ● Use hyperlinks in existing online text. ● Use online dictionary/thesaurus	● Learner's Dictionary ● FactMonster ● Wordsmyth

Second 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
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	• Students will use technology to solve real world math problems, including date, time and money concepts. • Use cameras to act out and demonstrate problem solving techniques. • Use observations, surveys and experiments to record data.	• Dreambox • tvokids • Digital Cameras • FlipGrid • Google Forms • Google Sheets

Third Grade

<table>
<tr><td colspan="3">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).</td></tr>
<tr><th>Technology Standards</th><th>Technology Integration</th><th>Suggested Resources</th></tr>
<tr>
<td>3. Research and Information Fluency
Students apply digital tools to gather, evaluate, and use information.
4. Critical Thinking, Problem Solving, and Decision Making
Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
6. Technology Operations and Concepts
Students demonstrate a sound understanding of technology concepts, systems, and operations.</td>
<td>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.</td>
<td>Library Catalog
Library Databases
WebPath Express
Google Advanced Search
Brain POP
CIA World Factbook</td>
</tr>
</table>

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
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● KidBlog ● Edmodo ● Google Classroom ● Google Docs ● Google Slides

Third Grade

Common Core Writing Standard 7: Conduct short research projects that build knowledge about a topic.
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
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● Library Catalog ● Library Databases ● WebPath Express ● Google Advanced Search ● Bibme.org ● Google Docs

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
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● 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.	● GarageBand ● Audacity ● VoiceThread ● FlipGrid ● Google Forms ● Google Sheets

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
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● Calculator ● Digital Camera ● Google Forms ● Google Sheets

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
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● 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.	● Library of Congress Digital Collections ● National Archives ● Webquests ● Animoto ● VoiceThread ● Google Slides

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
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● Google Drawing ● Read Write Think ● StoryBee ● Storynory ● Storyline ● Raz Kids

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
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● Library Catalog ● Library Databases ● WebPath Express ● Google Advanced Search ● Digital Citizenship / Nearpod ● EasyBib ● Google Docs

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 is 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
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● 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.	● Library Catalog ● Library Databases ● WebPath Express ● ReadWriteThink ● EasyBib

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
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● KidBlog ● Edmodo ● Animoto ● Voicethread ● FlipGrid ● Google Docs ● Google Sheets

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
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● 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.	● 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**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Students will listen to and evaluate information using online sources. ● Explore a variety of digital media formats available to them through the Internet.	● Library Catalog ● Wordsift ● Mind mapping

Fourth Grade

<table>
<tr><td colspan="3">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.</td></tr>
<tr><th>Technology Standards</th><th>Technology Integration</th><th>Suggested Resources</th></tr>
<tr>
<td>

1. **Creativity and Innovation**
Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
2. **Communication and Collaboration**
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.
3. **Research and Information Fluency**
Students apply digital tools to gather, evaluate, and use information. Students:
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- 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.
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- Animoto
- VoiceThread
- FlipGrid
- Google Slides
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<table>
<tr><td colspan="3">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.</td></tr>
<tr><th>Technology Standards</th><th>Technology Integration</th><th>Suggested Resources</th></tr>
<tr>
<td>

3. **Research and Information Fluency**
Students apply digital tools to gather, evaluate, and use information.
6. **Technology Operations and Concepts**
Students demonstrate a sound understanding of technology concepts, systems, and operations
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<td>

- 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
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<td>

- Dictionary.com
- Learner's Dictionary
- FactMonster
- WordCentral
- Wolfram Alpha
- Google "define (word)" feature
</td>
</tr>
</table>

Fourth Grade

Mathematical Practices 4: Model with mathematics.	
Mathematical Practices 5: Use appropriate tools strategically.	

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● Calculator ● Dreambox ● Google Forms ● Google Sheets ● Digital Cameras ● Draw.io

Fifth Grade

<table>
<tr>
<td colspan="3">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.</td>
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<tr>
<th>Technology Standards</th>
<th>Technology Integration</th>
<th>Suggested Resources</th>
</tr>
<tr>
<td>
3. Research and Information Fluency
Students apply digital tools to gather, evaluate, and use information.
4. Critical Thinking, Problem Solving, and Decision Making
Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
6. Technology Operations and Concepts
Students demonstrate a sound understanding of technology concepts, systems, and operations.
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<td>
● 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.
</td>
<td>
● Library Catalog
● Library Databases
● WebPath Express
● Infotopia
● FactMonster
● Google Advanced Search
● Boolify
</td>
</tr>
</table>

<table>
<tr>
<td colspan="3">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.</td>
</tr>
<tr>
<th>Technology Standards</th>
<th>Technology Integration</th>
<th>Suggested Resources</th>
</tr>
<tr>
<td>
1. Creativity and Innovation
Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
2. Communication and Collaboration
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.
5. Digital Citizenship
Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.
6. Technology Operations and Concepts
Students demonstrate a sound understanding of technology concepts, systems, and operations.
</td>
<td>
● 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.
</td>
<td>
● Google Docs
● Google Sites
● Blogger
● Digital Citizenship / Nearpod
</td>
</tr>
</table>

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
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● EasyBib ● Google Docs ● Library Catalog ● Library Databases ● WebPath Express ● Digital Citizenship / Nearpod

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
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. *Technology Operations and Concepts* Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● VoiceThread ● FlipGrid ● 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
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● 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.	● Learner's Dictionary ● FactMonster ● Wordsift ● WordCentral ● Wolfram Alpha ● Google "define (word)" feature

Fifth Grade

Mathematical Practices 4: Model with mathematics.		
Technology Standards	**Technology Integration**	**Suggested Resources**
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. Students: 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will use technology to solve real world math problems. ● Use graphic mapping software ● Use cameras to act out and demonstrate problem solving techniques.	● Calculator ● Digital Cameras ● Draw.io ● Google Forms ● Google Docs ● Google Sheets

Sixth Grade

Common Core Reading for Information Standard 7: 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.
Common Core Speaking and Listening Standard 5: Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.
Common Core Reading/History Standard 7: Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems. ● Utilize digital presentation software to integrate different types of media into a document. ● Use an online tool to integrate voice and pictures into a multimedia presentation. ● Gather data, examine patterns, and apply information for decision making using digital tools and resources. ● Utilize spreadsheet software to create digital graphs and charts.	● Google Sheets ● Google Slides ● Google Drawing ● Library Catalog ● Library Databases ● Follett eBooks/audiobooks ● Gale eBooks ● WeVideo ● FlipGrid ● Animoto ● Glogster ● VoiceThread ● Discovery Education ● Green Screen Technology

Sixth Grade

Common Core Writing Standard 2a: Introduce a topic; organize ideas, concepts, and information, using strategies such as definition, classification, comparison/contrast, and cause/effect; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.
Common Core Writing Standard 6: 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.
Common Core Writing/History, Science, & Technology Standard 6: Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Utilize word processing software to learn the basic formatting tools. (margins, spacing, styles, fonts, etc.) ● Students will use typing skills and appropriate editing to produce and publish a paper complete with bibliography ● With teacher guidance, students will extend the use of bibliographies to a larger variety of sources by utilizing online note-taking and bibliographical help sites. ● Teachers will introduce students to Google Drive to allow students to collaborate online. ● Demonstrate creativity by using multiple resources and formats. ● Students will be introduced to the social implications of producing their works online. ● Apply safety precautions necessary when using online resources such as (personal information, passwords, etc.).	● Google Docs ● Google Sheets ● Google Slides ● Google Drawing ● Animoto ● Glogster ● VoiceThread ● Noodletools ● Digital Citizenship / Nearpod ● Green Screen Technology

Sixth Grade

Common Core Writing Standard 8: 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.

Common Core Writing/History, Science, and Technology Standard 8: 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.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● Decide what information is needed. ● Uses technology to locate, collect, and evaluation information from a variety of sources. ● Demonstrates knowledge of different online search strategies (advanced search, Boolean search, etc.) ● Understands multiple resources must be consulted to verify the accuracy, relevance and comprehensiveness of information. ● Discusses effective ways to identify bogus websites. ● Understands and recognizes the use of bias as it is used in books and online sources. ● Discusses key concepts of intellectual property including ownership of technology and copyright; discusses consequences of violating another's intellectual property rights.	● Library Catalog ● Library Databases ● Follett eBooks/audiobooks ● Gale eBooks ● Google Advanced Search ● Digital Citizenship / Nearpod ● Noodletools

Sixth Grade

Mathematical Practices 1: Make sense of problems and persevere in solving them.
Mathematical Practices 2: Reason abstractly and quantitatively.
Mathematical Practices 3: Construct viable arguments and critique the reasoning of others.
Mathematical Practices 5: Use appropriate tools strategically.

Technology Standards	Technology Integration	Suggested Resources
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will gather data, examine patterns, and apply information for decision making using digital tools and resources. ● Students will select and use the appropriate tools and digital resources to accomplish a variety of tasks to solve problems. ● Students will develop a problem solving portfolio where they solve various problems using their appropriate mathematical level, using multiple perspectives to solve a problem focused on several problem solving strategies throughout the course of the year. ● Students will develop skills to argue and persuade others on the process used to solve their problem.	● Calculator ● Google Sheets

Sixth Grade

<table>
<tr>
<td colspan="3">Mathematical Practices 4: Model with mathematics.
Mathematical Practices 5: Use appropriate tools strategically.</td>
</tr>
<tr>
<th>Technology Standards</th>
<th>Technology Integration</th>
<th>Suggested Resources</th>
</tr>
<tr>
<td>

1. **Creativity and Innovation**
   Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
3. **Research and Information Fluency**
   Students apply digital tools to gather, evaluate, and use information
4. **Critical Thinking, Problem Solving, and Decision Making**
   Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
6. **Technology Operations and Concepts**
   Students demonstrate a sound understanding of technology concepts, systems, and operations.

</td>
<td>

- Students will gather data, examine patterns and apply information for decision making using digital tools and resources.
- Students will employ data collections technology to gather, view, analyze and report results for content related problems.
- Students will select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.
- Problem Solving may not involve the outside world, were mathematical modeling begins with a situation in the real world for which we wish to understand.

</td>
<td>

- Calculator
- Tinker Plots
- Venier Probes
- Geometer's Sketchpad

</td>
</tr>
</table>

Seventh Grade

Common Core Reading for Literature Standard 7: Compare and contrast a written story, drama, or poem to its audio, filmed, staged, or multimedia version, analyzing the effects of techniques, unique to each medium (e.g., lighting, sound, color, or camera focus and angles in a film).		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Seeks information from diverse resources and multiple perspectives to gain full comprehension. ● Applies knowledge from visual messages received after viewing a variety of different formats and styles in multimedia presentations.	● Library Datalog ● Library Databases ● Follett eBooks/audiobooks ● Gale eBooks ● Digital Video

Seventh Grade

Common Core Reading/History Standard 7: Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts.

Common Core Speaking & Listening Standard 5: Include multimedia components and visual displays in presentations to clarify claims and findings and emphasize salient points.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Select and use the appropriate tools and digital resources to accomplish a variety of tasks ● Utilizes a word processing tool to organize paper with correct page layout. ● Utilizes a spreadsheet tool to create graphs and charts to integrate into a paper or multimedia project. ● Utilizes presentation software to create a multimedia presentation.	● Google Docs ● Google Sheets ● Google Slides ● Google Drawing ● WeVideo ● Green Screen Technology ● FlipGrid ● VoiceThread ● Blogger ● Animoto ● Glogster ● Discovery Education

Seventh Grade

Common Core Writing Standard 6 & Common Core Writing/History, Science & Technology 6: 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.

Common Core Writing Standard 2a: Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information, using strategies such as definition, classification, comparison/contrast, and cause/effect; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Works collaboratively on a unit of study using publication software ● Creates hyperlinks that link directly from their paper to the correct online source. ● Understands how the use of technology can affect humans in various ways including their safety, comfort, choices, and attitudes. (news comments, blogs, emails, propaganda) ● Demonstrates knowledge of social, ethical, and human issues associated with technology (Cyberbullying, social media awareness, privacy laws, etc.)	● Google Docs ● Google Slides ● Gmail ● Google Sites ● Blogger ● Noodletools ● Digital Citizenship / Nearpod

Seventh Grade

Common Core Writing Standard 8 & Common Core Writing/History, Science & Technology Standard 8: 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.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● Use all available resources, including online databases, print and electronic books, to locate and cite information correctly. ● Performs advanced search techniques and queries online ● Understands and effectively uses a wide-range of different databases to find information. ● Recognize facts, opinions, and point of view and sometimes determine when it is appropriate in one's own work. ● Understands the difference between a primary and a secondary source found online. ● Finds, evaluates, and selects appropriate sources based on type of question to answer. ● Makes sense of information gathered from diverse sources by identifying misconceptions, main and supporting ideas, conflicting information, and point of view or bias. ● Utilizes a research process by applying critical thinking skills (analysis, synthesis, evaluation, organization) in order to construct new understandings and draw conclusions. ● Demonstrates adaptability by changing the inquiry focus, questions, resources, or strategies when necessary to achieve success.	● Library Catalog ● Library Databases ● Follett eBooks/audiobooks ● Gale eBooks ● Google Advanced Search ● Digital Citizenship / Nearpod ● Noodletools

Seventh Grade

Common Core Reading/Science and Technology Standard 9: Compare and contrast the information gained from experiments, simulations, video or multimedia sources with that gained from reading a text on the same topic.		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Use a variety of online and digital reference materials to enhance understanding ● Engages in virtual learning activities (e.g., virtual museum tours, simulations, and/or Skype)	● Google Expeditions ● Google Earth ● Google Hangouts

Seventh Grade

Mathematical Practices 1: Make sense of problems and persevere in solving them.		
Mathematical Practices 1: Make sense of problems and persevere in solving them. **Mathematical Practices 2:** Reason abstractly and quantitatively. **Mathematical Practices 3:** Construct viable arguments and critique the reasoning of others. **Mathematical Practices 5:** Use appropriate tools strategically.		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will gather data, examine patterns, and apply information for decision making using digital tools and resoures. ● Students will select and use the appropriate tools and digital resources to accomplish a variety of tasks to solve problems. ● Students will develop a problem solving portfolio where they solve various problems using their appropriate mathematical level, using multiple perspectives to solve a problem focused on several problem solving strategies throughout the course of the year. ● Students will develop skills to argue and persuade others on the process used to solve their problem.	● Calculator ● Google Drive

Seventh Grade

Mathematical Practices 4: Model with mathematics.		
Mathematical Practices 5: Use appropriate tools strategically.		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	• Students will gather data, examine patterns and apply information for decision making using digital tools and resources. • Students will employ data collections technology such as probes, handheld devices, and geographic mapping software to gather, view, analyze and report results for content related problems. • Students will select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems. • Use technology to observe, simulate, survey and experiment with recorded data. • Problem Solving may not involve the outside world, were mathematical modeling begins with a situation in the real world for which we wish to understand.	• Calculator • Tinker Plots • Venier Probes • Geometer's Sketchpad

Eighth Grade

Common Core Writing Standard 2a: Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.
Common Core Writing Standard 6: 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.
Common Core Writing/History, Science and Tech. Standard 6: Use technology, including the Internet, to produce and publish writing and present the relationships between information and ideas clearly and efficiently.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will select and use the appropriate tools and digital resources to produce and publish a document using all the correct formatting skills required. ● Create documents (e.g., letters, memos, reports) using existing forms and templates. ● Employ word processing utility tools (e.g., spell checker, grammar checker, thesaurus). ● Format text using basic and more advanced formatting functions (e.g., headers, footers, caps) ● Retrieve existing documents and safeguard using name and save functions. ● Create new word processing forms, style sheets, and templates. ● Enhance publications using different fonts, styles, attributes, justification, etc. ● Enhance publications using paint and draw functions. ● Format new desktop publishing files. ● Output desktop publishing files.	● Google Docs ● Google Sheets ● Google Slides ● Google Drawing ● Google Sites ● Blogger

Eighth Grade

<table>
<tr><td colspan="3">Common Core Reading in History Standard 7: Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts.
Common Core Speaking and Listening Standard 5: Include multimedia and visual displays into presentations to clarify information, strengthen claims and evidence, and add interest.</td></tr>
<tr><th>Technology Standards</th><th>Technology Integration</th><th>Suggested Resources</th></tr>
<tr>
<td>2. Communication and Collaboration
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.
3. Research and Information Fluency
Students apply digital tools to gather, evaluate, and use information
6. Technology Operations and Concepts
Students demonstrate a sound understanding of technology concepts, systems, and operations.</td>
<td>Students will use online and digital materials to enhance understanding in presentations.
Place graphics in document.
Create computer presentation and handouts in accordance with basic principles of graphics design and visual communication.
Independently use a variety of primary and secondary sources found online, in a variety of formats related to a given content area to construct a synthesis project, such as a poster, handout, brochure, essay, or an electronic presentation.</td>
<td>Google Docs
Google Sheets
Google Slides
Google Drawing
WeVideo
FlipGrid</td>
</tr>
</table>

Eighth Grade

Common Core Writing Standard 8: 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.
Common Core Writing/History, Science & Tech Standard 8: 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.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● Students independently access and use information from a wide variety of online sources. ● Independently finds and uses information from a variety of sources and the accompanying technology (e.g., school library media center resources, public library including interlibrary loan, world wide web searches, and government agencies) to find specific information needed. ● Independently knows where to start research based on what type of information is needed. ● Explore browser features and understand how to use them to help access information. ● Understands how to bookmark web addresses ● Navigate web sites using software function (e.g., Forward, Back, Go To, Bookmarks) ● Add plug-ins and helpers to the web browser. ● Independently evaluates information found in selected sources on the basis of accuracy, validity, bias, appropriateness to needs, and social and cultural context. ● Demonstrate adaptability by changing the inquiry focus, questions, resources, or strategies when necessary to achieve success. ● Follows ethical and legal guidelines in gathering and using information.	● Library Catalog ● Library Databases ● Follett eBooks/audiobooks ● Gale eBooks ● WebPath Express ● Google Chrome Web Store ● Google Advanced Search ● Noodletools ● Purdue OWL Formatting and Style Guide

Eighth Grade

<table>
<tr>
<td colspan="3">Common Core Reading for Information Standard 7: Evaluate the advantages and disadvantages of using different mediums (e.g., print or digital text, video, multimedia) to present a particular topic or idea.</td>
</tr>
<tr>
<th>Technology Standards</th>
<th>Technology Integration</th>
<th>Suggested Resources</th>
</tr>
<tr>
<td>
2. Communication and Collaboration
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.
3. Research and Information Fluency
Students apply digital tools to gather, evaluate, and use information
5. Critical Thinking, Problem Solving, and Decision Making
Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
6. Technology Operations and Concepts
Students demonstrate a sound understanding of technology concepts, systems, and operations.
</td>
<td>

Students will explore and use a wide range of technology tools available.
Understand how to send and access email messages
Create email messages in accordance with established business standards (e.g., grammar, word usage, spelling, sentence structure, clarity, etc.)
Demonstrate knowledge of email etiquette
Understand how to attach documents to messages.
Understand how to save email attachments.
Demonstrate knowledge of email contamination protection strategies.
Manage daily/weekly/monthly schedule using applications such as Google Calendar.
Apply basic commands of operating system software and appropriate file and disk management techniques.
Ensure compliance with security rules, regulations, and codes and security procedures in accordance with school policy.
Understand how to provide for user authentication and maintain confidentiality (e.g., assign passwords, access level).

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Gmail
Google Calendar
Google Classroom
Digital Citizenship / Nearpod

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Eighth Grade

Common Core Writing & Reading for Literacy Standards in Science & Technology 4: Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6–8 texts and topics.
Common Core Writing and Reading Literacy Standards for Science & Technology 7: Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

Technology Standards	Technology Integration	Suggested Resources
6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Demonstrate knowledge of the system utilities used for file management. ● Create, edit, save, retrieve and print spreadsheets. ● Create charts and graphs from spreadsheets and incorporate them to enhance presentations. ● Input/process data using spreadsheet functions while using simple formulas. ● Identify hardware items that support presentation software (e.g., scanners, digital cameras, printers, and projection systems). ● Print a single slide, an entire presentation, an outline, and notes. ● Run slide shows manually and automatically when given a presentation. ● Locate and replace data using search and replace functions.	● Google Docs ● Google Sheets ● Google Slides ● Google Drawing

Eighth Grade

Mathematical Practices 1: Make sense of problems and persevere in solving them. **Mathematical Practices 2:** Reason abstractly and quantitatively. **Mathematical Practices 3:** Construct viable arguments and critique the reasoning of others. **Mathematical Practices 5:** Use appropriate tools strategically.		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 3. **Research and Information fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will gather data, examine patterns, and apply information for decision making using digital tools and resources. ● Students will select and use the appropriate tools and digital resources to accomplish a variety of tasks to solve problems. ● Students will develop a problem solving portfolio where they solve various problems using their appropriate mathematical level, using multiple perspectives to solve a problem focused on several problem solving strategies throughout the course of the year. ● Students will develop skills to argue and persuade others on the process used to solve their problem.	● Graphing Calculator ● Wikispaces ● Google Apps for Education (GAFE)

Eighth Grade

<table>
<tr>
<td colspan="3">Mathematical Practices 4: Model with mathematics.
Mathematical Practices 5: Use appropriate tools strategically.</td>
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<tr>
<th>Technology Standards</th>
<th>Technology Integration</th>
<th>Suggested Resources</th>
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<tr>
<td>
1. Creativity and Innovation
Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.
3. Research and Information Fluency
Students apply digital tools to gather, evaluate, and use information
4. Critical Thinking, Problem Solving, and Decision Making
Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.
6. Technology Operations and Concepts
Students demonstrate a sound understanding of technology concepts, systems, and operations.
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Students will gather data, examine patterns and apply information for decision making using digital tools and resources.
Students will employ data collections technology such as probes, handheld devices, and geographic mapping software to gather, view, analyze and report results for content related problems.
Students will select and use the appropriate tools and digital resources to accomplish a variety of tasks and to solve problems.
Use technology to observe, simulate, survey and experiment with recorded data.
Problem Solving may not involve the outside world, were mathematical modeling begins with a situation in the real world for which we wish to understand.

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Graphing Calculator
Tinker Plots
Venier Probes
Geometer's Sketchpad
Sphero Edu

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Ninth and Tenth Grade

Common Core Reading for Information Standard 7: Analyze various accounts of a subject told in different mediums (e.g., a person's life story in both print and multimedia), determining which details are emphasized in each account.		
Technology Standards	**Technology Integration**	**Suggested Resources**
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students independently access and use information from a wide variety of online sources. ● Identify examples of accurate and inaccurate information found online. ● Determine the author's purpose prior to selecting an online resource, i.e., inform, persuade, entertain, etc. ● Realize that conflicting facts are found in different sources and understands the terms accurate, relevant, bias, and comprehensive. ● Recognizes facts, opinions, and point of view and sometimes determines when it is appropriate in one's own work.	● Library Catalog ● Library Databases ● Follett eBooks ● Gale eBooks ● WebPath Express ● Google Advanced Search

Ninth and Tenth Grade

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Common Core Writing Standard 7: Conduct short as well as more sustained research projects to answer a question (including a self--generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

Common Core Writing Standard 8: Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.

Common Core Writing/History, Science & Tech Standard 8: Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.

Common Core Writing Standard 2a: Introduce a topic: organize complex ideas, concepts, and information to make important connections and distinctions; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension.

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<tr><th>Technology Standards</th><th>Technology Integration</th><th>Suggested Resources</th></tr>
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3. **Research and Information Fluency**
   Students apply digital tools to gather, evaluate, and use information
5. **Digital Citizenship**
   Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

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- Students independently access and use information from a wide variety of online sources.
- Find, evaluate, and select appropriate online sources to answer questions on their own.
- Decipher between primary and secondary sources found on the Internet.
- Recognize alternative systems for organizing and accessing information. (e.g., archives, government sources, digital collections, databases, Google Scholar, etc.)
- Independently refines electronic searches as needed.
- Constructs appropriate bibliographic citations for research papers including all required formatting.

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- Library Catalog
- Library Databases
- Follett eBooks
- Gale eBooks
- WebPath Express
- Google Advanced Search
- Google Scholar
- Noodletools
- Purdue OWL Formatting and Style Guide
- Library of Congress Digital Collections
- National Archives

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Ninth and Tenth Grade

Common Core Writing Standard 6: Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
Common Core Writing/History, Science, and Technology Standard 6: Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.
Common Core Speaking & Listening Standard 5: Make strategic use of digital media (e.g., textual, graphical, audio, visual, and interactive elements) in presentations to enhance understanding of findings, reasoning, and evidence and to add interest.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will explore and use a wide range of technology tools available. ● Peer-evaluate each other's products in Google Docs and provide feedback by effectively utilizing the Comments section. ● Gather information from an online collaboration site and compile the results for others to view. ● Use iMovie or other video editing software to produce a short video based off of a lesson. ● Respect copyright/intellectual property rights of creators and producers and follow the ethical and legal guidelines in gathering and using information.	● Google Drive ● Google Advanced Search ● WeVideo ● FlipGrid ● VoiceThread ● Blogger ● Animoto ● Glogster ● Prezi

Ninth and Tenth Grade

Common Core Reading Standard 7: Integrate quantitative or technical analysis (e.g., charts, research data) with qualitative analysis in print or digital text.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and information fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Students will explore and use a wide range of technology tools available. ● Use government online data to analyze and make predictions (e.g., the federal census records to analyze ethnic diversity). ● Analyze graphs and charts to assist in the development of research projects.	● Library catalog ● Library databases ● Follett eBooks ● Gale eBooks ● Mount Pleasant Public Library ● U.S. Census Online ● Google Advanced Search ● Google Scholar

Common Core Speaking & Listening Standard 2: Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Students will explore and use a wide range of technology tools ● Demonstrate adaptability by changing the inquiry focus, questions, resources, or strategies when necessary to achieve success when searching online. ● Display emotional resilience by persisting in information searching despite challenges. ● Display persistence by continuing to pursue information online to gain a broad perspective. ● Utilize interviews and sources to collaborate and share information using multiple sources of technology.	● Library catalog ● Library databases ● Follett eBooks ● Gale eBooks ● Google Advanced Search ● Google Scholar ● Google Hangouts

Ninth and Tenth Grade

Mathematical Practices 1: Make sense of problems and persevere in solving them. Mathematical Practices 2: Reason abstractly and quantitatively. Mathematical Practices 3: Construct viable arguments and critique the reasoning of others. Mathematical Practices 5: Use appropriate tools strategically.		
Technology Standards	**Technology Integration**	**Suggested Resources**
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Students will employ curriculum specific simulations to practice critical thinking processes. ● Students will develop a problem solving portfolio where they solve various problems using their appropriate mathematical level, using multiple perspectives to solve a problem focused on several problem solving strategies throughout the course of the year. ● Students will develop skills to argue and persuade others on the process used to solve their problem.	● Graphing Calculator ● Wikispaces ● Google Drive

Mathematical Practices 4: Model with mathematics. Mathematical Practices 5: Use appropriate tools strategically.		
Technology Standards	**Technology Integration**	**Suggested Resources**
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will select digital tools or resources to use for a real-world task and justify the selection based in their efficiency and effectiveness. ● Use observations, simulations, surveys and experiments to record data. ● Problem Solving may not involve the outside world, where mathematical modeling begins with a situation in the real world for which we wish to understand.	● Graphing Calculator ● Geometer's Sketchpad ● Venier Probes ● Sphero Edu ● Fathom

Eleventh and Twelfth Grade

Common Core Reading for Information Standard 7: Integrate and evaluate multiple sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a question or solve a problem.		
Technology Standards	**Technology Integration**	**Suggested Resources**
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources. 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will explore and use a wide range of technology tools available. ● Utilize sources inside and outside of the school setting to obtain information. (i.e., library databases, ebooks, public library online tools) ● Locate and use online applications successfully (e.g., educational applications, scholarships, job applications, etc.)	● Library catalog ● Library databases ● Follett eBooks/audiobooks ● Gale eBooks ● Mount Pleasant Public Library ● Google Advanced Search ● Google Scholar ● Naviance

Eleventh and Twelfth Grade

Common Core Writing Standard 2a: Introduce a topic: organize complex ideas, concepts and information so that each new element builds on that which precedes it to create a unified whole: include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful in aiding comprehension.
Common Core Writing/History, Science & Tech Standard 6: Use technology, including the internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.
Common Core Speaking and Listening Standard 5: Make strategic use of digital media (e.g., textual, graphical, audio, visual, and interactive elements) in presentations to enhance understanding of findings, reasoning, and evidence and to add interest.

Technology Standards	Technology Integration	Suggested Resources
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 2. **Communication and Collaboration** 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. 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● Students will understand the ethical, cultural, and societal issues related to technology. ● Use knowledge and information skills and dispositions to engage in public conversation online and debate around issues of common concern. ● Practice responsible usages of technologies (e.g., download legally, install licensed software, adhere to copyright restrictions and appropriately cite your sources.) ● Understand that ethical considerations are important in the development, selection, and use of technologies. ● Demonstrate personal productivity by completing projects to express learning. ● Debate the ethical considerations involved in the development or deployment of new technologies. (privacy laws, cyberbullying, security) ● Present information quickly and clearly in a graphical manner	● Google Docs ● Google Sheets ● Google Slides ● Google Drawing ● Google Sites ● Google Classroom ● Blogger ● Digital Citizenship / Nearpod ● Noodletools

Eleventh and Twelfth Grade

Common Core Writing Standard 7: Conduct short as well as more sustained research projects to answer a question (including a self--generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.

Common Core Writing/History, Science & Tech Standard 8: Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the specific task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and over--reliance on any one source and following a standard format for citation.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 5. **Digital Citizenship** Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.	● Students will use technology tools to enhance learning, increase productivity, and promote creativity. ● Demonstrate mastery of technology tools to access information and pursue inquiry. ● Demonstrate confidence and self-direction by making independent choices in the selection of online resources and information. ● Analyze and integrate information and ideas from personal experiences found in personal blogs, opinion pages, personal essays, etc. ● Cite your sources according to accepted formats	● Library catalog ● Library databases ● Follett eBooks ● Gale eBooks ● Blogger ● Google Advanced Search ● Google Scholar ● Noodletools ● Purdue OWL Formatting and Style Guide

Eleventh and Twelfth Grade

Common Core Reading for Literacy in Science and Technical Subjects Standard 7: Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

Common Core Reading in History Standard 7: Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, as well as in words) in order to address a question or solve a problem.

Common Core Speaking & Listening Standard 2: Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitatively, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.

Technology Standards	Technology Integration	Suggested Resources
2. **Communication and Collaboration** 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. 3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Students will use a variety of technology tools to enhance learning and understanding. ● Maintain a critical stance by questioning the validity and accuracy of all information. ● Monitor gathered information and assess for gaps or weaknesses. ● Recognizes that the style of format has an effect on the content. ● Identify capabilities and limitations of contemporary and emerging technology resources to address lifelong learning and workplace needs. ● Understand the importance of diverse information and access to information in a democratic society. ● Understands and is able to articulate the development of technology which may be influenced by societal opinions and demands, in addition to corporate cultures. ● Contrast ethical considerations and how they are important in the development, selection and use of technology. ● Independently demonstrates the knowledge and skills to analyze synthesize and evaluate information on more complex topics from multiple sources and multiple formats to create new meaning.	● Library catalog ● Library databases ● Follett eBooks ● Gale eBooks ● Google Advanced Search ● Google Scholar ● Google Hangout ● Digital Citizenship / Nearpod

Eleventh and Twelfth Grade

Mathematical Practices 1: Make sense of problems and persevere in solving them.
Mathematical Practices 2: Reason abstractly and quantitatively.
Mathematical Practices 3: Construct viable arguments and critique the reasoning of others.
Mathematical Practices 5: Use appropriate tools strategically.

Technology Standards	Technology Integration	Suggested Resources
1. **Creativity and Innovation** Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology. 4. **Critical Thinking, Problem Solving, and Decision Making** Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	● Students will employ curriculum specific simulations to practice critical thinking processes. ● Students will develop a problem-solving portfolio where they solve various problems using their appropriate mathematical level, using multiple perspectives to solve a problem focused on several problem-solving strategies throughout the course of the year. ● Students will develop skills to argue and persuade others on the process used to solve their problem.	● Graphing Calculator ● Wikispaces ● Google Sheets ● Google Sites

Mathematical Practices 4: Model with mathematics.
Mathematical Practices 5: Use appropriate tools strategically.

Technology Standards	Technology Integration	Suggested Resources
3. **Research and Information Fluency** Students apply digital tools to gather, evaluate, and use information 6. **Technology Operations and Concepts** Students demonstrate a sound understanding of technology concepts, systems, and operations.	● Students will select digital tools or resources to use for a real-world task and justify the selection based in their efficiency and effectiveness. ● Use observations, simulations, surveys and experiments to record data. ● Problem Solving may not involve the outside world, were mathematical modeling begins with a situation in the real world for which we wish to understand.	● Graphing Calculator ● Geometer's Sketchpad ● Venier Probes ● Sphero Edu ● Fathom