

Grade 8 Technology Standards (8.1 – Educational Technology)

All students will use digital tools to access, manage evaluate and synthesize information in order to solve problems individually and collaboratively and to create and communicate knowledge.

Technology Operations and Concepts:

Create professional looking documents using advanced features of a word processing program (Word, Pages, Docs)

- Demonstrate how to compose, revise, and insert special characters
- Demonstrate how to merge documents
- Demonstrate how to cut, copy, paste, use the thesaurus, use find/replace
- Explain how to create/use page breaks, columns, paragraph styles, margins, tabs and text rulers
- Demonstrate how to change orientation and scale
- Utilize keyboard shortcuts

Plan and create a simple database, define fields, input data, and produce a report using sort and query (Excel, Numbers, Sheets)

- Create a database
- Sort, search, and arrange data
- Use data to produce a report

Create and present a multimedia presentation that includes graphics (PowerPoint, KeyNote, Slides)

- Author a presentation using hypermedia that integrates text, sound, static and animated graphics
- Resize, scale, rotate, duplicate, group, arrange, reshape, and manipulate objects.

Generate a spreadsheet to calculate, graph and present information (Excel, Numbers, Sheets)

- Enter and edit text and values
- Use mathematical formulas in a spreadsheet format
- Create and modify a spreadsheet by entering, formatting and manipulating cells.

Select and use appropriate tools and digital resources to accomplish variety of tasks and to solve problems.

- Choose appropriate computer applications for organizing information
- Use appropriate graphic organizing software to create, construct, or design a document

Creativity and Innovation

Synthesize and publish information about a local or global issue or event on a collaborative, web-based service

- Create a movie, podcast or blog discussing a local or global issue or an event
- Publish the movie, podcast or blog to a shared hosted service

Communication and Collaboration

Participate in an online learning community with learners from other countries to understand their perspectives on a global problem or issue, and propose possible solutions

- Communicate through networks and telecommunications

Digital Citizenship

Model appropriate online behaviors related to cyber safety, cyber bullying, cyber security and cyber ethics

- Exhibit legal and ethical behaviors when using information and technology
- Describe and practice "etiquette" when using the Internet and electronic mail
- Describe and practice safe Internet usage
- Explain the purpose of an Acceptable Use Policy and the consequences of inappropriate use of technology

Summarize the application of fair use and Creative Commons guidelines

- Explain the purpose of an Acceptable Use Policy and the consequences of inappropriate use of technology

Demonstrate how information on a controversial issue may be biased

- Evaluate information to determine relevancy and accuracy