

Jackson Area Catholic Schools

Technology Academic Standards for Eighth Grade

Creativity and Innovation

- CI.08.01 The student will apply common software features (e.g., spellchecker, thesaurus, formulas, charts, graphics, sounds) to enhance communication with an audience and to support creativity.
- CI.08.02 The student will create an original project (e.g., presentation, web page, newsletter, information brochure) using a variety of media (e.g., animations, graphs, charts, audio, graphics, video) to present content information to an audience.
- CI.08.03 The student will illustrate a content-related concept using a model, simulation, or concept-mapping software.
- CI.08.04 The student will demonstrate appropriate formatting for the type of document; letter writing (business and personal), e-mail, creative writing (stories, poems, research report writing).

Communication and Collaboration

- CC.08.01 The student will use digital resources (e.g., discussion groups, blogs, podcasts, videoconferences, Google Docs) to collaborate with peers, experts, and other audiences.
- CC.08.02 The student will use collaborative digital tools to explore common curriculum content with learners from other cultures.
- CC.08.03 The student will identify effective uses of technology to support communication with peers, family, or school personnel.

Research and Information Literacy

- RI.08.01 The student will use a variety of digital resources to locate information.
- RI.08.02 The student will evaluate information from online information resources for accuracy and bias.
- RI.08.03 The student will understand that using information from a single Internet source might result in the reporting of erroneous facts and that multiple sources should always be researched.

Research and Information Literacy (cont.)

- RI.08.04 The student will identify types of web sites based on their domain names (e.g., edu, com, org, gov, net).
- RI.08.05 The student will employ data-collection technologies (e.g., probes, handheld devices, GPS units, geographic mapping systems) to gather, view, and analyze the results for a content-related problem.
- RI.08.06 The student will design and carryout a research strategy that includes a variety of sources and processes (e.g., internet searches, library databases, electronic libraries, multimedia encyclopedias).

Critical Thinking, Problem Solving, and Decision Making

- CT.08.01 The student will use databases or spreadsheets to make predictions, develop strategies, and evaluate decisions to assist with solving a problem.
- CT.08.02 The student will evaluate available digital resources and select the most appropriate application to accomplish a specific task (e.g., word processor, table, outline, spreadsheet, presentation program).
- CT.08.03 The student will gather data, examine patterns, and apply information for decision making using available digital resources.
- CT.08.04 The student will describe strategies for solving routine hardware and software problems.

Digital Citizenship

- DC.08.01 The student will provide accurate citations when referencing information sources.
- DC.08.02 The student will discuss issues related to acceptable and responsible use of technology (e.g., privacy, security, copyright, plagiarism, viruses, file-sharing).
- DC.08.03 The student will discuss the consequences related to unethical use of information and communication technologies.
- DC.08.04 The student will discuss possible societal impact of technology in the future and reflect on the importance of technology in the past.
- DC.08.05 The student will create media-rich presentations on the appropriate and ethical use of digital tools and resources.

Digital Citizenship (cont.)

- DC.08.06 The student will discuss the long term ramifications (digital footprint) of participating in questionable online activities (e.g., posting photos of risqué poses or underage drinking, making threats to others).
- DC.08.07 The student will describe the potential risks and dangers associated with online communications.
- DC.08.08 The student will demonstrate Catholic moral and ethical behavior in the use of technology at school, home and in the community.

Technology Operations and Concepts

- TC.08.01 The student will identify file formats for a variety of applications (e.g., doc, xls, pdf, txt, jpg, mp3).
- TC.08.02 The student will use a variety of technology tools (e.g., dictionary, thesaurus, grammar-checker, calculator) to maximize the accuracy of technology-produced materials.
- TC.08.03 The student will perform queries on existing databases.
- TC.08.04 The student will know how to create and use various functions available in a database (e.g., filtering, sorting, charts).
- TC.08.05 The student will identify a variety of information storage devices (e.g., CDs, DVDs, flash drives, SD cards, cloud storage) and provide rationales for using a certain device for a specific purpose.
- TC.08.06 The student will use accurate technology terminology.
- TC.08.07 The student will use technology to identify and explore various occupations or careers, especially those related to science, technology, engineering, and mathematics.
- TC.08.08 The student will discuss possible uses of technology to support personal pursuits and lifelong learning.
- TC.08.09 The student will understand and discuss how assistive technologies can benefit all individuals.
- TC.08.10 The student will discuss security issues related to e-commerce.
- TC.08.11 The student will demonstrate mastery of accurate key fingering, improve speed, accuracy and correct posture.

Technology Operations and Concepts (cont.)

- TC.08.12 The student will recognize and use terms related to protection of computer (e.g., virus protection, password, network security, firewall).
- TC.08.13 The student will identify technology resources that assist with various consumer related activities (e.g., budgets and product descriptors).