

Jackson Area Catholic Schools

Technology Academic Standards for Grades Nine - Twelve

Creativity and Innovation

- CI.9-12.01 The student will apply advanced software features (e.g. built-in thesaurus, templates, styles) to redesign the appearance of word processing documents, spreadsheets, and presentations.
- CI.9-12.02 The student will create a web page (e.g., Webs, iGoogle, Weebly).
- CI.9-12.03 The student will use a variety of media and formats to design, develop, publish, and present projects (e.g., newsletters, web sites, presentations, photo galleries).

Communication and Collaboration

- CC.9-12.01 The student will identify various collaboration technologies and describe their use (e.g., desktop conferencing, webinar, listserv, blog, wiki).
- CC.9-12.02 The student will use available technologies (e.g., desktop conferencing, e-mail, videoconferencing, instant messaging) to communicate with others on a class assignment or project .
- CC.9-12.03 The student will collaborate in content-related projects that integrate a variety of media (e.g., print, audio, video, graphic, simulations, and models).
- CC.9-12.04 The student will plan and implement a collaborative project using telecommunications tools (e.g., Google Docs, discussion boards, online groups, interactive web sites, videoconferencing).
- CC.9-12.05 The student will describe the potential risks and dangers associated with online communications.
- CC.9-12.06 The student will use technology tools for managing and communicating personal information (e.g., finances, contact information, schedules, purchases, correspondence).

Research and Information Literacy

- RI.9-12.01 The student will develop a plan to gather information using various research strategies (e.g., interviews, questionnaires, experiments, online surveys).
- RI.9-12.02 The student will identify, evaluate, and select appropriate online sources to answer content related questions (e.g., newspapers, magazines, databases).
- RI.9-12.03 The student will demonstrate the ability to use library and online databases for accessing information (e.g., MEL, Proquest, InfSOURCE, United Streaming).
- RI.9-12.04 The student will distinguish between fact, opinion, point of view, and inference.
- RI.9-12.05 The student will evaluate information found in selected online sources on the basis of accuracy and validity.
- RI.9-12.06 The student will evaluate web resources for stereotyping, prejudice, and misrepresentation.
- RI.9-12.07 The student will understand that using information from a single internet source might result in the reporting of erroneous facts and that multiple sources must always be researched.
- RI.9-12.08 The student will research examples of inappropriate use of technologies and participate in related classroom activities (e.g., debates, reports, mock trials, presentations).

Critical Thinking, Problem Solving, and Decision Making

- CT.9-12.01 The student will use digital resources (e.g., educational software, simulations, models) for problem solving and independent learning.
- CT.9-12.02 The student will analyze the capabilities and limitations of digital resources and evaluate their potential to address personal, social, lifelong learning, and career needs
- CT.9-12.03 The student will devise a research question or hypothesis using information and communication technology resources, analyze the findings to make a decision based on the findings, and report the results.

Digital Citizenship

- DC.9-12.01 The student identify legal and ethical issues related to the use of information and communication technologies (e.g., properly selecting and citing resources).
- DC.9-12.02 The student will discuss possible long-range effects of unethical uses of technology (e.g., virus spreading, file pirating, hacking) on cultures and society.
- DC.9-12.03 The student will discuss and demonstrate proper netiquette in online communications.
- DC.9-12.04 The student will identify ways that individuals can protect their technology systems from unethical or unscrupulous users.
- DC.9-12.05 The student will create appropriate citations for resources when presenting research findings.
- DC.9-12.06 The student will discuss and adhere to fair use policies and copyright guidelines.
- DC.9-12.07 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.9-12.01 The student will complete at least one online credit, or non-credit, course or online learning experience.
- TC.9-12.02 The student will use an online tutorial and discuss the benefits and disadvantages of this method of learning.
- TC.9-12.03 The student will explore career opportunities, especially those related to science, technology, engineering, and mathematics and identify their related technology skill requirements.
- TC.9-12.04 The student will describe uses of various existing or emerging technology resources (e.g., podcasting, webcasting, videoconferencing, online file sharing, global positioning software).
- TC.9-12.05 The student will identify an example of an assistive technology and describe its potential purpose and use.

Technology Operations and Concepts (cont.)

- TC.9-12.06 The student will participate in a virtual environment as a strategy to build 21st century learning skills.
- TC.9-12.07 The student will assess and solve hardware and software problems by using online help or other user documentation.
- TC.9-12.08 The student will explain the differences between freeware, shareware, open source, and commercial software.
- TC.9-12.09 The student will participate in experiences associated with technology-related careers.
- TC.9-12.10 The students will identify common graphic, audio, and video file formats (e.g., jpeg, gif, bmp, mpeg, wav, wmv, mp3, avi, pdf).
- TC.9-12.11 The student will understand and discuss how assistive technologies can benefit all individuals.
- TC.9-12.12 The student will demonstrate how to import/export text, graphics, or audio files.
- TC.9-12.13 The student will proofread and edit a document using an application's spelling and grammar checking functions.