

## **Jackson Area Catholic Schools**

### **Technology Academic Standards for Sixth Grade**

#### **Creativity and Innovation**

- CI.06.01 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.06.02 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.06.03 The student will illustrate a content-related concept using a model, simulation, or concept-mapping software.

#### **Communication and Collaboration**

- CC.06.01 The student will use digital resources (e.g., discussion groups, blogs, podcasts, videoconferences, Google Docs) to collaborate with peers, experts, and other audiences.
- CC.06.02 The student will use collaborative digital tools to explore common curriculum content with learners from other cultures.
- CC.06.03 The student will identify effective uses of technology to support communication with peers, family, or school personnel.

#### **Research and Information Literacy**

- RI.06.01 The student will use a variety of digital resources to locate information.
- RI.06.02 The student will evaluate information from online information resources for accuracy and bias.
- RI.06.03 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.
- RI.06.04 The student will identify types of web sites based on their domain names (e.g., edu, com, org, gov, net).
- RI.06.05 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.

## **Critical Thinking, Problem Solving, and Decision Making**

- CT.06.01 The student will use databases or spreadsheets to make predictions, develop strategies, and evaluate decisions to assist with solving a problem.
- CT.06.02 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.06.03 The student will gather data, examine patterns, and apply information for decision making using available digital resources.
- CT.06.04 The student will describe strategies for solving routine hardware and software problems.

## **Digital Citizenship**

- DC.06.01 The student will provide accurate citations when referencing information sources.
- DC.06.02 The student will discuss issues related to acceptable and responsible use of technology (e.g., privacy, security, copyright, plagiarism, viruses, file-sharing).
- DC.06.03 The student will discuss the consequences related to unethical use of information and communication technologies.
- DC.06.04 The student will discuss possible societal impact of technology in the future and reflect on the importance of technology in the past.
- DC.06.05 The student will create media-rich presentations on the appropriate and ethical use of digital tools and resources.
- DC.06.06 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.06.07 The student will describe the potential risks and dangers associated with online communications.
- DC.06.08 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.06.01 The student will identify file formats for a variety of applications (e.g., doc, xls, pdf, txt, jpg, mp3).
- TC.06.02 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.06.03 The student will perform queries on existing databases (e.g., Boolean search strategies)
- TC.06.04 The student will know how to create and use various functions available in a database (e.g., filtering, sorting, charts).
- TC.06.05 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.06.06 The student will use accurate technology terminology.
- TC.06.07 The student will use technology to identify and explore various occupations or careers, especially those related to science, technology, engineering, and mathematics.
- TC.06.08 The student will discuss possible uses of technology to support personal pursuits and lifelong learning.
- TC.06.09 The student will understand and discuss how assistive technologies can benefit all individuals.
- TC.06.10 The student will discuss security issues related to e-commerce.
- TC.06.11 The student will recognize and use terms related to protection of computers (e.g., virus protection, password, network security, firewall).
- TC.06.12 The student will demonstrate mastery of accurate key fingering.