

Grades 6, 7, 8

Adopted 2009

Creativity and Innovation

1. apply common software features (e.g., spellchecker, thesaurus, formulas, charts, graphics, sounds) to enhance communication with an audience and to support creativity 6-8.CI.1
2. 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 6-8.CI.2
3. illustrate a content-related concept using a model, simulation, or concept-mapping software 6-8.CI.3

Communication and Collaboration

1. use digital resources (e.g., discussion groups, blogs, podcasts, videoconferences, Moodle, Blackboard) to collaborate with peers, experts, and other audiences 6-8.CC.1
2. use collaborative digital tools to explore common curriculum content with learners from other cultures 6-8.CC.2
3. identify effective uses of technology to support communication with peers, family, or school personnel 6-8.CC.3

Research and Information Fluency

1. use a variety of digital resources to locate information 6-8.RI.1
2. evaluate information from online information resources for accuracy and bias 6-8.RI.2
3. 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 6-8.RI.3
4. identify types of web sites based on their domain names (e.g., edu, com, org, gov, net) 6-8.RI.4
5. 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 6-8.RI.5

Critical Thinking, Problem Solving, and Decision Making

1. use databases or spreadsheets to make predictions, develop strategies, and evaluate decisions to assist with solving a problem 6-8.CT.1
2. evaluate available digital resources and select the most appropriate application to accomplish a specific task (e.g., word processor, table, outline, spreadsheet, presentation program) 6-8.CT.2
3. gather data, examine patterns, and apply information for decision making using available digital resources 6-8.CT.3
4. describe strategies for solving routine hardware and software problems 6-8.CT.4

Digital Citizenship

1. provide accurate citations when referencing information sources 6-8.DC.1
2. discuss issues related to acceptable and responsible use of technology (e.g., privacy, security, copyright, plagiarism, viruses, file-sharing) 6-8.DC.2
3. discuss the consequences related to unethical use of information and communication technologies 6-8.DC.3
4. discuss possible societal impact of technology in the future and reflect on the importance of technology in the past 6-8.DC.4
5. create media-rich presentations on the appropriate and ethical use of digital tools and resources 6-8.DC.5
6. 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) 6-8.DC.6
7. describe the potential risks and dangers associated with online communications 6-8.DC.7

Technology Operations and Concepts

1. identify file formats for a variety of applications (e.g., doc, xls, pdf, txt, jpg, mp3) 6-8.TC.1
2. use a variety of technology tools (e.g., dictionary, thesaurus, grammar-checker, calculator) to maximize the accuracy of technology-produced materials 6-8.TC.2
3. perform queries on existing databases 6-8.TC.3
4. know how to create and use various functions available in a database (e.g., filtering, sorting, charts) 6-8.TC.4
5. identify a variety of information storage devices (e.g., CDs, DVDs, flash drives, SD cards) and provide rationales for using a certain device for a specific purpose 6-8.TC.5
6. use accurate technology terminology 6-8.TC.6

7. use technology to identify and explore various occupations or careers, especially those related to science, technology, engineering, and mathematics . 6-8.TC.7

8. discuss possible uses of technology to support personal pursuits and lifelong learning 6-8.TC.8

9. understand and discuss how assistive technologies can benefit all individuals 6-8.TC.9

10. discuss security issues related to e-commerce 6-8.TC.10