

Information Technology I

Software Exploration

Grades 6 - 8



Basic Operations and Concepts

Standard 1: The student demonstrates a sound understanding of the nature and operation of Technology systems.

1.1 Students apply strategies for identifying and solving routine hardware and software problems that occur during everyday use

Standard 2: The student is proficient in the use of technology.

2.1 Students demonstrate an understanding of concepts underlying hardware, software and connectivity, and of practical application to learning and problem solving

Social, Ethical and Human Issues

Standard 3: The student understands the ethical, cultural and societal issues related to technology.

3.1 Students demonstrate knowledge of current changes in information technologies and the effect those changes have on the workplace and society

3.2 Students research and evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems

Standard 5: The student develops positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits and productivity.

5.1 Students collaborate with peers, experts, and others using telecommunications and collaborative tools to investigate curriculum-related problems, issues, and information, and to develop solutions or products for audiences inside and outside the classroom

Technology Productivity Tools

Standard 6: The student uses technology tools to enhance learning, increase productivity and promote creativity.

6.1 Students use content-specific tools, software and simulations to support learning and research

6.2 Students apply productivity/multimedia tools and peripherals to support personal productivity, group collaboration, and learning throughout the curriculum

Technology Communications Tools

Standard 9: The student uses a variety of media and formats to communicate information and ideas effectively to multiple audiences.

9.1 Students design, develop, publish, and present products using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom

Technology Research Tools

Standard 10: The student uses technology to locate, evaluate and collect information from a variety of sources.

10.1 Students select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems

10.2 Students research and evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems

Standard 11: The student uses technology tools to process data and report results.

11.1 Students efficiently and effectively manipulate data