

# Grade 8 Technology Performance Indicators

Prior to completion of Grade 8, students will:

- **Use keyboards and other common input and output devices (including adaptive devices when necessary) efficiently and effectively.**
  - *Basic Operations and Concepts*
    - Students will be able to connect the computer cables and network cables to insure proper computer operation. Students will understand file navigation and know how to back up information to alternate removable media.
    - Students will continue to practice keyboard skills with Ultra Keys. Practice and tests will take place with hands and keyboards covered (an old dish towel is recommended).
    - Students will continue to practice using Ultra Keys paragraphs until they reach 30+ words per minute with 100% accuracy. Students will be introduced to combinations of keystrokes that produce special characters.
  
- **Apply strategies for identifying and solving routine hardware and software problems that occur during everyday use.**
  - *Basic Operations and Concepts*
    - Students will have the knowledge necessary to maintain proper computer operation both at school and at home (virus protection, backing up data, hard drive maintenance).
    - Students will be able to apply strategies for identifying and solving hardware and software problems that are an everyday part of computer usage.
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    - Students will be able to resolve power issues, find files, and check the computer and printer.
    - Apply strategies for identifying and solving routine hardware and software problems that occur during everyday use.
  
- **Demonstrate knowledge of current changes in information technologies and the effect those changes have on the workplace and society.**
  - *Social, Ethical, and Human Issues*
  
- **Exhibit legal and ethical behaviors when using information and technology, and discuss consequences of misuse.**
  - *Social, Ethical, and Human Issues*
    - Students understand the ethical, cultural, and social issues related to technology. They must follow AISL policy in order to retain the privilege of technology usage.

## Grade 8 Technology Performance Indicators

- **Use content-specific tools, software, and simulations (e.g., environmental probes, graphing calculators, exploratory environments, Web tools) to support learning and research.**
  - *Technology Productivity Tools*
- Students will be able to pick from a variety of software to brainstorm, draft, edit, revise, to expertly produce a multimedia printed project.
  - *Technology Research Tools*
- **Apply productivity/multimedia tools and peripherals to support personal productivity, group collaboration, and learning throughout the curriculum.**
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    - The student will use PowerPoint or Keynote, iMovie, or iDVD to create a documentary. Student will use Inspiration to create the Storyboard or outline.
    - The student will create a film documentary in iMovie, iDVD, or iPhoto. Sound files will be added via iTunes.
  - *Technology Problem-Solving and Decision-Making Tools*
- **Design, develop, publish, and present products (e.g., Web pages, CD's) using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom.**
  - *Technology Communications Tools*
    - Students will be able to publish a project using a variety of words, pictures, scans, charts, graphs, columns, web tools, and video. Publishing could be paper based, for the web, or in video format.
    - Students will be able to produce a quality product for printed, web, or multimedia publications.
    - Students will choose from all available technologies to communicate to their perspective audience. They will be able to use these tools to entertain, inform or to persuade.
    - Students will present a created product to an audience of their peers using skills learned in K-7.
    - Students will set up a variety of technology, or develop a web site to communicate ideas to a variety of audiences.
    - Students create PDF files, QuickTime movies and Attachments to communicate information.
  - *Technology Research Tools*
  - *Technology Problem-Solving and Decision-Making Tools*

## Grade 8 Technology Performance Indicators

- **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 Communications Tools***
    - Students will be able to pick the best technology tool(s) to efficiently complete a project.
    - Students create a web site, and use email accounts to collaborate with a variety of audiences.
  - ***Technology Research Tools***
    - Students use search engines, web pages, hyperlinks and email to seek advice and information.
  
- **Select and use appropriate tools and technology resources to accomplish a variety of tasks and solve problems.**
  - ***Technology Research Tools***
    - Students will be able to pick the best technology tool(s) to efficiently complete a project.
    - Students will use all available technology tools including organization tools, word processing, and online tools (dictionary.com) to produce an error-free product.
  - ***Technology Problem-Solving and Decision-Making Tools***
    - Students will be able to pick from a variety of software to brainstorm, draft, edit, revise, and produce a multimedia printed project. Students will be able to produce a multi column document with appropriate content. The document will be visually pleasing, contain accurate or persuasive information, and have correct spelling and grammar.
    - Students will select from all available AISL technologies to complete a task, solve a problem or situation, or effectively communicate in a variety of mediums.
    - Students will gather information from a variety of technology resources to be used in a document of their own. They will use the thesaurus to change words and demonstrate the ability to rewrite information to make it their own. Students will have an understanding of plagiarism.
  
- **Demonstrate an understanding of concepts underlying hardware, software, and connectivity, and of practical applications to learning and problem solving.**
  - ***Basic Operations and Concepts***
    - Students create desktop or share point folders to store data. Students will also use file navigation to store and retrieve data.
  - ***Technology Problem-Solving and Decision-Making Tools***
    - Using spreadsheet software, students interpret information in graphs and use the information in their written reports and assignments.

## Grade 8 Technology Performance Indicators

- **Research and evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real world problems.**
  - *Social, Ethical, and Human Issues*
  - *Technology Research Tools*
    - Students will collect data from Internet search engines and/or bookmarks. Students will collect data from several sites and select appropriate data using a rubric. Data will be stored in an appropriate folder and/or album.
    - Students use a variety of databases to locate information.
  - *Technology Problem-Solving and Decision-Making Tools*
    - Students will be able to acquire information from a variety of technology resources. They will be able to determine the validity of the information and use appropriate information for a prescribed purpose.
    - Students will develop a rubric and analyze collected information in a collaborative group.