

Technology
Hinsdale School District

Grade Level: Six

Standard: Basic Operations and Concepts

Goal: Students demonstrate a sound understanding of the nature and operation of technology systems

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Know how to connect and use a variety of devices and common peripherals (e.g. scanners, digital probes, digital cameras and projectors), and how to access networked resources.</p>	<p>Grade 6 Technology- Using Computers - Part 1 , 2, 3 Connecting to a network Networks and the Internet Building a small network</p>	<p>K to the 8th Power Website (www.kto8.com) Computer</p>	<p>K to the 8th Power Website</p>
<p>Know how to explore, identify and develop presentations describing types of occupations or careers that rely on computer based technology.</p>	<p>Grade 6 Technology - Advanced Internet; Has Technology changed the World?</p>	<p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p>
<p>Know how to insert photos, graphics, graphs, spreadsheets, sound, and video into word processing, presentation, and Web documents.</p>	<p>Grade 6 Technology Refer to Using Computers above Adding graphics to a webpage</p>	<p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p>

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Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Know functions of all alphabetic, numeric, special purpose and symbol keys: can touch type with correct fingers and correct hands using the full keyboard; and know how to use a word processor to compose, type, proofread, and edit a document.</p> <p>Know how to locate and use system and application upgrade, virus protection, and spam defense software to keep a technology system operating properly.</p>	<p>Grade 6 Technology- Using Computers - Part 1 , 2, 3</p> <p>Grade 6 Technology – Computer Skills: Avoiding Computer Trouble Virus Protection</p>	<p>K to the 8th Power Website Computer</p> <p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p> <p>K to the 8th Power Website</p>

Technology
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Standard: Basic Operations and Concepts

Goal: Students are proficient in the use of technology. (information management)

Knowledge & Skills	Activities	Resources & Materials	Assessments
Identify software used for information management and know which types of software can be used most effectively for different types of data, different information needs, and for conveying results to different audiences.	Grade 6 Technology - Making a Presentation	K to the 8 th Power Website Computer	K to the 8 th Power Website

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Standard: Basic Operations and Concepts

Goal: Students are proficient in the use of technology. (terminology and problem solving)

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Identify search strategies for locating information needed, identify resources that contribute to solving a particular problem, organize information, and communicate solution strategies and conclusions using appropriate terminology.</p>	<p>Grade 6 Technology – Advanced Internet Searching</p>	<p>K to the 8th Power Website Computer Web browser</p>	<p>K to the 8th Power Website</p>

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Standard: Social, Ethical and Human Issues

Goal: Students understand the ethical, cultural, and societal issues related to technology.

Knowledge & Skills	Activities	Resources & Materials	Assessments
Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources.	Grade 6 Technology – Advanced Internet Searching	K to the 8 th Power Website Computer	K to the 8 th Power Website

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Standard: Social, Ethical and Human Issues

Goal: Students practice responsible use of technology systems, information and software.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Identify a broad range of issues related to use and misuse of information and communication technology resources (e.g. privacy, security, copyright, file sharing, plagiarism) and discuss laws relating to each.</p>	<p>Grade 6 Technology - Copyright Has Technology Changed the World? Technology Assessment Part II</p>	<p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p>

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Standard: Social, Ethical and Human Issues

Goal: Students develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Identify their personal goals and pursuits and explore technology resources that may assist them in identifying paths leading to their goals or pursuits.</p>	<p>Grade 6 Technology – Has technology changed the world?</p>	<p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p>

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Standard: Technology Productivity Tools

Goal: Students use technology tools to enhance learning, increase productivity, and promote creativity.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Describe how specific productivity tools support personal productivity, remediation of skill deficits, and their capacities for learning in different subjects.</p>	<p>Grade 6 Technology – Buying a new Computer History of Computers</p>	<p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p>

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Standard: Technology Productivity Tools

Goal: Student use productivity tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Students understand basic principles for collaborative product development: They identify common roles for group members, typical rules governing individual group member responsibilities, and cooperative attitudes that facilitate successful teamwork.</p>	<p>Grade 6 Technology – Data Base Database Levels 1 – 5</p>	<p>K to the 8th Power Website Computer Access</p>	<p>K to the 8th Power Website</p>

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Standard: Technology Communications Tools

Goal: Students use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Know how to develop Web based telecommunications projects (e.g. Webquest) that identify content, challenge other students who access the site to answer questions or give opinions adding to the content, and provide opportunity to evaluate responses and submissions for currency and accuracy.</p>	<p>Grade 6 Technology – Advanced Internet Searching</p>	<p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p>

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Standard: Technology Communication Tools

Goal: Students use a variety of media and formats to communicate information and ideas effectively to multiple audiences.

Knowledge & Skills	Activities	Resources & Materials	Assessments
Identify how different forms of media can be used within one presentation to communicate effectively with a wide variety of audience participants.	Grade 6 Technology – Making a Presentation	K to the 8 th Power Website Computer	K to the 8 th Power Website

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Standard: Technology Research Tools

Goal: Students use technology to locate, evaluate, and collect information from a variety of sources.

Knowledge & Skills	Activities	Resources & Materials	Assessments
Know how to apply Boolean strategies to narrow the focus of the search for online information	Grade 6 Technology – Internet Advanced internet searching	K to the 8 th Power Website Computer	K to the 8 th Power Website

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Standard: Technology Research Tools

Goal: Students use technology tools to process data and report results.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Know how to plan and develop data base reports to organize, display, and explain findings in content areas.</p>	<p>Grade 6 Technology – Data Base Levels 1 thru 5</p>	<p>K to the 8th Power Website Computer</p>	<p>K to the 8th Power Website</p>

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Standard: Technology Research Tools

Goal: Students evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Compare and contrast the functions and capabilities of the database, spreadsheet, and word processor for processing data, calculating, and reporting results,</p>	<p>Grade 6 Technology – Presentation Making a presentation</p> <p>Spreadsheet Excel 1 & 2</p> <p>DataBase Database 1-5</p>	<p>K to the 8th Power Website Computer PowerPoint</p> <p>Excel</p> <p>Access</p>	<p>K to the 8th Power Website</p>

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Standard: Technology Problem-Solving and Decision-Making Tools

Goal: Students use technology resources for solving problems and making informed decisions.

Knowledge & Skills	Activities	Resources & Materials	Assessments
Know how to use spreadsheet data and simulations to make predictions, strategize solutions, and evaluate decisions regarding steps to take in solving problems.	Grade 6 Technology – Spreadsheet Excel 1 & 2	K to the 8 th Power Website Computer Excel	K to the 8 th Power Website

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Grade Level: Six

Standard: Technology Problem-Solving and Decision-Making Tools

Goal: Students employ technology in the development of strategies for solving problems in the real world.

Knowledge & Skills	Activities	Resources & Materials	Assessments
<p>Recognize and discuss how spreadsheets are used to calculate, graph and represent data in a variety of settings (e.g., schools, government, business, industry, mathematics, science)</p>	<p>Grade 6 Technology – Spreadsheet Excel Levels 1 & 2</p> <p>Technology – Business Development Starting a Computer Based Business</p>	<p>K to the 8th Power Website Computer Excel</p> <p>Word</p>	<p>K to the 8th Power Website</p>