

TECHNOLOGY STANDARDS

CH 1.26	The student demonstrates a sound understanding of the nature and operation of technology systems, and is proficient in the use of technology.
CH 1.27	The student demonstrates an understanding of the social, ethical, cultural and societal issues related to technology, practicing responsible use of technology systems, information and software, and developing positive attitudes toward technology uses that support lifelong learning.
CH 1.28	The student uses technology tools to enhance learning, increase productivity, and promote creativity.
CH 1.29	The student uses telecommunications to collaborate, publish, and interact with peers, experts, and other audiences, using a variety of media and formats to communicate information and ideas effectively.
CH 1.30	The student uses technology effectively as a research tool.
CH 1.31	The student uses technology for solving problems and making informed decisions.

TECHNOLOGY STANDARDS

<p>CH 1.26</p> <p>The student demonstrates a sound understanding of the nature and operation of technology systems, and is proficient in the use of technology.</p>	<p>Benchmarks</p> <p>Grades PK - 2</p> <ol style="list-style-type: none"> 1. Uses input devices (mouse, keyboard, remote control) and output devices (monitor, printer) to successfully operate computers, VCRs, audiotapes, and other technologies 2. Communicates about technology using developmentally appropriate and accurate terminology 3. Uses developmentally appropriate multimedia resources (e.g. interactive books, educational software, elementary multimedia encyclopedias) to support learning <p>Grades 3-5</p> <p>In addition to benchmarks a, b and c,</p> <ol style="list-style-type: none"> 4. Uses keyboards and other common input and output devices (including adaptive devices when necessary) efficiently and effectively
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TECHNOLOGY STANDARDS

CH 1.26 (Continued)	Benchmarks
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<p>The student demonstrates a sound understanding of the nature and operation of technical systems, and is proficient in the use of technology.</p>	<p>Grades 6-12</p> <p>In addition to benchmarks a, b, c and d,</p> <ol style="list-style-type: none"> 5. Applies needed strategies for identifying and solving routine hardware and software problems that occur during everyday use 6. Demonstrates an understanding of concepts underlying hardware, software, and connectivity, and of practical applications to learning and problem solving
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Technology Standards

<p>CH 1.27</p> <p>The student demonstrates an</p>	<p>Benchmarks</p> <p>Grades PK-2</p> <ol style="list-style-type: none"> 7. Works collaboratively and cooperatively with peers, family members, and others when
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<p>understanding of the social, ethical, cultural and societal issues related to technology, practicing responsible use of technology systems, information and software, and developing positive attitudes toward technology uses that support lifelong learning.</p>	<p>using technology</p> <p>8. Demonstrates positive social and ethical behaviors when using technology</p> <p>9. Practices responsible use of technology systems and software</p> <p>Grades 3-5</p> <p>In addition to benchmarks a, b and c,</p> <p>10. Discusses common uses of technology in daily life and the advantages and disadvantages which these uses provide</p> <p>11. Discusses basic issues related to responsible use of technology and information and describes personal consequences of inappropriate use</p>
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TECHNOLOGY STANDARDS

<p>CH 1.27 (continued)</p> <p>The student demonstrates an understanding of the social, ethical,</p>	<p>Benchmarks</p> <p>Grades 6-8</p> <p>In addition to benchmarks a, b, c, d, e,</p>
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<p>cultural and societal issues related to technology, practicing responsible use of technology systems, information and software, and developing positive attitudes toward technology uses that support lifelong learning.</p>	<p>F. Demonstrates knowledge of current changes in information technologies and the effects those changes have on the workplace and society</p> <p>G. Exhibits legal and ethical behaviors when using information and technology</p> <p>Grades 9-12</p> <p>In addition to benchmarks a, b, c, d, e, f, g,</p> <p>H. Identifies capabilities and limitations of contemporary and emerging technology resources and assesses the potential of these systems and services to address personal, lifelong learning, and workplace needs</p> <p>I. Makes informed choices among technology systems, resources and services</p> <p>J. Demonstrates and advocates for legal and ethical behaviors among peers, family and community regarding the use of technology and information</p>
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TECHNOLOGY STANDARDS

<p>CH 1.28</p> <p>The student uses</p>	<p>Benchmarks</p> <p>Grades PK - 2</p>
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<p>technology tools to enhance learning, increase productivity, and promote creativity.</p>	<p>12. Uses a variety of media and technology resources for directed and independent learning activities</p> <p>13. Creates developmentally appropriate multimedia products with support from teachers, family members and student partners</p> <p>Grades 3-5</p> <p>In addition to benchmarks a, b,</p> <p>14. Uses general purpose productivity tools and peripherals to support personal productivity, remediate skill deficits, and facilitate learning throughout the curriculum</p> <p>15. Uses technology tools (e.g. multimedia authoring, presentation, Web tools, digital cameras, scanners) for individual and collaborative writing, communication, and publishing activities to create knowledge products for audiences inside and outside the classroom</p>
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TECHNOLOGY STANDARDS

<p>CH 1.28 (continued)</p> <p>The student uses technology tools to enhance learning, increase productivity, and promote creativity.</p>	<p>Grades 6-8</p> <p>In addition to benchmarks a, b, c, d,</p> <p>16. Uses content-specific tools, software and simulations (e.g. environmental probes, graphing calculators, exploratory environments, Web tools) to support learning and research</p> <p>17. Applies productivity/multimedia tools and peripherals to support personal productivity, group collaboration, enhancing projects, and learning throughout the curriculum</p>
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	<p>Grades 9-12</p> <p>In addition to benchmarks a, b, c, d, e, f,</p> <p>18. Uses technology tools and resources for managing and communicating personal/professional information (e.g. finances, schedules, addresses, purchases, correspondence).</p>
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TECHNOLOGY STANDARDS

<p>CH 1. 29</p> <p>The student uses telecommunications to collaborate, publish, and interact with peers, experts, and other audiences, using a variety of media and formats to</p>	<p>Benchmarks</p> <p>Grades PK -2</p> <p>19. Gathers information and communicates with others using telecommunications, with support from teachers, family members or student partners</p> <p>Grades 3-5</p> <p>20. Uses telecommunications effectively and efficiently to access remote information, communicate with others in support of direct and independent learning, and pursues personal interests</p> <p>21. Uses telecommunications and online resources (e.g., e-mail, online discussions, Web</p>
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<p>communicate information and ideas effectively.</p>	<p>environments) to participate in collaborative problem-solving activities for the purpose of developing solutions or products for audiences inside and outside the classroom</p>
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TECHNOLOGY STANDARDS

<p>CH 1.29</p> <p>The student uses telecommunications to collaborate, publish, and interact with peers, experts, and other audiences, using a variety of media and formats to communicate information and ideas effectively.</p>	<p>Benchmarks</p> <p>Grades 6-8</p> <p>In addition to benchmarks b, c,</p> <p>22. Designs, develops, publishes and presents products (e.g. Web pages, videotapes) using technology resources that demonstrate and communicate curriculum concepts to audiences inside and outside the classroom</p> <p>23. Collaborates 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</p>
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TECHNOLOGY STANDARDS

<p>CH 1.29 (continued)</p> <p>The student uses telecommunications to collaborate, publish, and interact with peers, experts, and other audiences, using a variety of media and formats to communicate information and ideas effectively.</p>	<p>Benchmarks</p> <p>Grades 6-12</p> <p>In addition to benchmarks b, c, d, e,</p> <ul style="list-style-type: none">24. Routinely and effectively uses online information resources to meet needs for collaboration, research, publications, communications and productivity25. Collaborates with peers, experts, and others to contribute to a content-related knowledge base by using technology to compile, synthesize, produce, and disseminate information, models, and other creative works
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TECHNOLOGY STANDARDS

<p>CH 1.30</p> <p>The student uses technology effectively as a research tool.</p>	<p>Benchmarks</p> <p>Grades 3-5</p> <p>26. Uses technology resources (e.g. calculators, data collection probes, videos, educational software) for research, problem-solving, self-directed learning, and extended learning activities</p> <p>27. Determines when technology is useful for information gathering and research, and selects the appropriate tool(s) and technology resources to address a variety of tasks and problems</p> <p>Grades 6-8</p> <p>In addition to benchmarks a, b,</p> <p>28. Researches and evaluates the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems</p>
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TECHNOLOGY STANDARDS

<p>CH 1.30 (Continued)</p> <p>The student uses technology effectively as a research tool.</p>	<p>Benchmarks</p> <p>Grades 9-12</p> <p>In addition to benchmarks a, b, c,</p> <p>29. Evaluates technology-based options, including distance and distributed education, for lifelong learning</p> <p>30. Selects and applies technology tools for research, information analysis, problem-solving, and complex decision-making in content learning</p>
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TECHNOLOGY STANDARDS

<p>CH 1.31</p>	<p>Benchmarks</p> <p>Grades 3-8</p>
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The student uses technology for solving problems and making informed decisions.	<p>31. Evaluates the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources</p> <p>Grades 9-12</p> <p>In addition to benchmark a,</p> <p>32. Investigates and applies expert systems, intelligent agents, and simulations in real-world situations</p>
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