

**Urbana School District #116  
SIXTH GRADE CORE EXPECTATIONS**

**TECHNOLOGY**

**Domain One: Basic Operations and Concepts**

Basic Operations and Concepts	Sixth Grade
<p>A. Demonstrate a sound understanding of the nature and operation of technology systems.</p> <p>B. Are proficient in the use of technology</p>	<ul style="list-style-type: none"> <li>▪ Identify the appropriate cables for computer and AV connections</li> <li>▪ Compare and contrast memory and storage</li> <li>▪ Efficiently navigate between applications open and running</li> <li>▪ Use FIND option to locate files</li> <li>▪ Troubleshoot printing issues (out of paper, why things are not printing, what is in the printer queue)</li> <li>▪ Demonstrate improvement in keyboarding proficiency</li> </ul>

**Domain Two: Social, Ethical and Human Issues**

Social, ethical, and human issues	Sixth Grade
<p>A. Understand the ethical, cultural, and societal issues related to technology</p> <p>B. Practice responsible use of technology systems, information, and software</p> <p>C. Develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits and productivity</p>	<ul style="list-style-type: none"> <li>▪ Compare copyright laws and District 116 AUP</li> <li>▪ Recognize that the duplication of copyright materials is acceptable only within Fair Use limitations</li> <li>▪ Cite sources according to teacher specified format</li> <li>▪ Demonstrate respect and privacy for the computer work of others</li> <li>▪ Practice safe and ethical procedures related to sharing personal information, including passwords</li> <li>▪ Recognize age-appropriate issues related to the use of technology</li> </ul>

**Domains Three and Four: Technology productivity and communication tools**

Technology productivity and communication tools	Sixth Grade
<p>A. Use technology tools to enhance learning, increase productivity, and promote creativity</p> <p>B. Use productivity and media tools to collaborate in constructing technology-enhanced models, prepare publications, and produce other creative works</p> <p>C. Use telecommunications and a variety of media and formats to communicate information and ideas effectively with peers, experts, and other audiences.</p>	<ul style="list-style-type: none"> <li>▪ Use a word processing program to publish a report (justification, tabs, columns, multiple paragraphs)</li> <li>▪ Insert images and clipart</li> <li>▪ Create a simple table and design a graph using information from that table</li> <li>▪ Identify terms associated with database management</li> <li>▪ Enter information into an existing database</li> <li>▪ Use a variety of media equipment: scanners, digital cameras, etc.</li> <li>▪ Plan, create and present short multi-media projects with text, sounds/clips, multiple slides/cards, and/or video clips</li> <li>▪ Use environmental probes, digital microscopes, and mathematical calculators</li> <li>▪ Log-on to email server with user name and password</li> <li>▪ Send, retrieve and read email messages</li> <li>▪ Practice appropriate email netiquette</li> <li>▪ Demonstrate an awareness of ethical issues regarding email and safe email practices</li> <li>▪ Create a one-page HTML document</li> <li>▪ Upload webpage document to an appropriate directory on a web server using FTP</li> <li>▪ Collaborate with peers and professionals outside school community using current technologies (e.g., blog, chats, videoconferencing, IM)</li> </ul>

**Domain Five: Technology Research Tools**

Technology Research Tools	Sixth Grade
<p>A. Use technology to locate, evaluate and collect information from a variety of sources</p> <p>B. Use technology tools to process data and report results</p> <p>C. Evaluate and select new information resources and technological innovations based on the appropriateness for specific tasks</p>	<ul style="list-style-type: none"><li>▪ Use history (Go menu) for efficient navigation on the Internet</li><li>▪ Use a variety of search engines to locate information</li><li>▪ Organize and delete bookmarks</li><li>▪ Use an electronic card catalogue to locate resources with teacher guidance</li><li>▪ Use the appropriate source of electronic and print information for a research topic</li></ul>

**Domain Six: Technology problem-solving and decision-making tools**

Technology problem-solving and decision-making tools	Sixth Grade
<p>A. Use technology resources for solving problems and making informed decisions</p> <p>B. Employ technology in the development of strategies for solving problems in the real world</p>	<ul style="list-style-type: none"><li>▪ Use technology to implement a problem-solving model across the curriculum</li><li>▪ Compare and contrast product specification sheets and advertisements</li></ul>