

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

**TECHNOLOGY**

**Domain One: Basic Operations and Concepts**

Basic Operations and Concepts	Eighth 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>▪ Recognize the role of file extensions</li> <li>▪ With guidance determine the appropriate compression format (jpeg, tiff, gif, QuickTime)</li> <li>▪ Identify source of internet error (local or remote)</li> <li>▪ Analyze software/hardware requirements</li> <li>▪ Demonstrate improvement in keyboarding proficiency</li> </ul>

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

Social, ethical, and human issues	Eighth 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>▪ Recognize the social and legal implications of inappropriate use of technology</li> <li>▪ Recognize and practice procedures for safe computing</li> <li>▪ Adhere to copyright laws and District #116 AUP</li> <li>▪ Protect software and hardware from vandalism/damage</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 and ethical</li> <li>▪ Identify the role of technology and skills in a variety of careers</li> </ul>

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

Technology productivity and communication tools	Eighth 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>▪ Apply complex page formatting skills (tabs, hanging indent, outline format)</li> <li>▪ Import/export to other files, formats, documents or applications</li> <li>▪ Use User/custom dictionaries and Spell check</li> <li>▪ Perform and display the value of calculations using formulas and functions</li> <li>▪ Copy formulas (relative and absolute references)</li> <li>▪ Format cell attributes</li> <li>▪ Given a prepared database, use sorting and searching techniques to solve problems and interpret information</li> <li>▪ Set field attributes (styles), move fields, change field size, add graphics and create multiple layouts to display appropriate information</li> <li>▪ Develop more complex multimedia presentations using at least two applications (insert a chart, multi-tasking)</li> <li>▪ Import and export graphics in appropriate file format (e.g., tiff, pict, jpeg, gif, QuickTime)</li> <li>▪ Use environmental probes, digital microscopes, and graphing calculators</li> <li>▪ Attach a document to an email message</li> <li>▪ Receive, save and decode attachments</li> <li>▪ Demonstrate an awareness of ethical issues regarding email and engage in safe email practices</li> <li>▪ Design and publish a web page using a web authoring software</li> <li>▪ Collaborate with peers and professionals outside school community using current technologies</li> </ul>

**Domain Five: Technology Research Tools**

Technology Research Tools	Eighth 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 the internet to download information graphics</li><li>▪ Make decisions based on the relevancy, authenticity, accuracy and currency of electronic and print information to determine its usefulness</li><li>▪ Select from a variety of available electronic resources</li></ul>

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

Technology problem-solving and decision-making tools	Eighth 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>▪ Evaluate the accuracy, relevance, appropriateness, comprehensiveness, and bias of electronic information sources concerning real-world problems</li><li>▪ Evaluate various sources to compare information to make more informed decisions for consumer purchases</li></ul>