



**21<sup>st</sup> Century Learning Educational Technology Standard**  
**Catalina Foothills School District**  
**Grade 7**

**A 21<sup>st</sup> Century Learning Community**

<b>1. CREATIVITY AND INNOVATION</b>	
<ul style="list-style-type: none"> <li>• <b>KNOWLEDGE AND IDEAS</b></li> <li>• <b>MODELS AND SIMULATIONS</b></li> <li>• <b>TRENDS AND POSSIBILITIES</b></li> <li>• <b>ORIGINAL WORKS</b></li> </ul>	
ET7.1.1	Analyzes and evaluates information to generate new ideas, processes or products.
ET7.1.2	Summarizes the relationship amongst interdependent elements of a digital model or simulation.
ET7.1.3	Analyzes system processes and outcomes using models or simulations.
ET7.1.4	Analyzes and applies understanding of how one system, digital models, or simulations operates by comparing it to another system of a different type that operates in a similar manner.
ET7.1.5	Identifies patterns and trends to forecast possibilities from different perspectives.
ET7.1.6	Asks questions and investigates a problem from different perspectives and formulates inferences from known facts.
ET7.1.7	Creates innovative products or projects using digital tools to express original ideas.
ET7.1.8	Use digital collaborative tools to synthesize information, produce original works, and express ideas.
<b>2. COMMUNICATION AND COLLABORATION</b>	
<ul style="list-style-type: none"> <li>• <b>EFFECTIVE COMMUNICATION AND DIGITAL INTERACTIONS</b></li> <li>• <b>DIGITAL SOLUTIONS</b></li> <li>• <b>GLOBAL CONNECTIONS</b></li> </ul>	
ET7.2.1	Collaborates and communicates with peers, experts, or others employing a variety of digital tools to share findings and/or publish.
ET7.2.2	Explains and demonstrates features, conventions, voice, and etiquette of interactive digital environments to communicate with an appropriate audience.
ET7.2.3	Communicates and collaborates for the purpose of producing original works or solving problems.
ET7.2.4	Independently locates and interacts with teacher approved global communities.
<b>3. RESEARCH AND INFORMATION LITERACY</b>	
<ul style="list-style-type: none"> <li>• <b>PLANNING</b></li> <li>• <b>PROCESSING</b></li> </ul>	
ET7.3.1	Predicts the most effective keywords and phrases for use in information searches.
ET7.3.2	Determines which information source will provide the desired data.
ET7.3.3	Locates and synthesize information utilizing advanced search strategies.
ET7.3.4	Uses authoritative primary and/or secondary sources.
ET7.3.5	Evaluates between fact and opinion, bias, inaccurate and misleading information by consulting multiple sources.
ET7.3.6	Synthesizes research information to create new understanding or develop new ideas.
ET7.3.7	Applies ethical use of information and media by respecting copyrights, intellectual property rights, using information and media technology responsibly, and citing resources appropriately.

<b>4. CRITICAL THINKING, PROBLEM SOLVING AND DECISION MAKING</b>	
<ul style="list-style-type: none"> <li>• INVESTIGATION</li> <li>• EXPLORING SOLUTIONS</li> </ul>	
ET7.4.1	Writes essential questions to investigate a topic or issue using digital tools and resources.
ET7.4.2	Plans, conducts and manages research using appropriate digital resources to develop solutions for a question.
ET7.4.3	Presents defensible solutions and make decisions from multiple perspectives using collected resources and data.
<b>5. DIGITAL CITIZENSHIP</b>	
<ul style="list-style-type: none"> <li>• SAFETY AND ETHICS</li> <li>• LEADERSHIP FOR DIGITAL CITIZENSHIP</li> <li>• IMPACT OF TECHNOLOGY</li> </ul>	
ET7.5.1	Assesses situations in which it is appropriate and safe to use a personal digital device in the home, school, community, and in the work place.
ET7.5.2	Describes strategies to deal with cyber-bullying situations.
ET7.5.3	Articulates and practices the school and district rules governing the use of digital tools as defined by school board policy and procedures.
ET7.5.4	Demonstrates safe online communication practices regarding personal information.
ET7.5.5	Analyzes and compares various aspects of e-commerce.
ET7.5.6	Exhibits legal and ethical behavior when using technology.
ET7.5.7	Promotes digital citizenship by consistently leading by example and advocating social and civic responsibility to others.
ET7.5.8	Analyzes the potential benefits and hazards of a new technology and the possible short- and long-term consequences of implementing this technology.
<b>6. TECHNOLOGY OPERATIONS AND CONCEPTS</b>	
<ul style="list-style-type: none"> <li>• UNDERSTANDING</li> <li>• APPLICATIONS</li> <li>• PROBLEM SOLVING</li> <li>• TRANSFER OF KNOWLEDGE</li> </ul>	
ET7.6.1	Explains and correctly uses terms related to networks and connectivity.
ET7.6.2	Defines and applies knowledge of various technical process terms.
ET7.6.3	Chooses technology applications appropriate for the audience and task.
ET7.6.4	Recognizes and demonstrates ergonomically safe and sound use of equipment.
ET7.6.5	Identifies physical risks of using digital technology.
ET7.6.6	Demonstrates speed and accuracy with appropriate data entry tools with at least 25 wpm and 80% accuracy.
ET7.6.7	Composes a document that applies advanced formatting.
ET7.6.8	Enters/edits data using simple formulas while using spreadsheet(s) to perform calculations.
ET7.6.9	Defines terms used in database creation and perform simple operations.
ET7.6.10	Creates and edits visual and audio material to generate a multimedia product.
ET7.6.11	Identifies criteria for evaluating technical and design qualities of a web site and then create web-based content from the identified criteria.
ET7.6.12	Identifies and use network protocols for moving files and secure web access.
ET7.6.13	Generates and applies solutions to troubleshoot hardware and software issues and problems.
ET7.6.14	Transfers understanding of current technologies, input/output devices, symbols and icons, and applications to learning new technologies.