



21st Century Learning Educational Technology Standard
Catalina Foothills School District
Grade 5

A 21st Century Learning Community

1. CREATIVITY AND INNOVATION	
<ul style="list-style-type: none"> • KNOWLEDGE AND IDEAS • MODELS AND SIMULATIONS • TRENDS AND POSSIBILITIES • ORIGINAL WORKS 	
ET5.1.1	Analyzes information to generate ideas and processes.
ET5.1.2	Recognizes and explains relevant interdependent elements of a digital model or simulation.
ET5.1.3	Explores and experiments with system variables using models or simulations.
ET5.1.4	Compares and contrasts two systems using a digital model or simulation.
ET5.1.5	Identifies patterns and trends to draw conclusions and forecast possibilities.
ET5.1.6	Analyzes information using digital creativity tools to create original works and express ideas.
ET5.1.7	Analyzes information using digital collaborative tools to produce original works and express ideas.
2. COMMUNICATION AND COLLABORATION	
<ul style="list-style-type: none"> • EFFECTIVE COMMUNICATION AND DIGITAL INTERACTIONS • DIGITAL SOLUTIONS • GLOBAL CONNECTIONS 	
ET5.2.1	Communicates digitally with others by selecting and using a variety of appropriate communication tools.
ET5.2.2	Explains and demonstrates the safety and etiquette of digital environments to communicate with intended audiences.
ET5.2.3	Contributes to a cooperative learning project and demonstrate effective group behaviors while using digital collaborative resources.
ET5.2.4	Communicates with individuals from different cultures or geographic areas to explore a variety of perspectives (teacher directed or approved).
3. RESEARCH AND INFORMATION LITERACY	
<ul style="list-style-type: none"> • PLANNING • PROCESSING 	
ET5.3.1	Predicts and uses key words and phrases that narrow or broaden information searches.
ET5.3.2	Predicts which information sources will provide the desired data.
ET5.3.3	Locate and synthesizes information to revise search strategies.
ET5.3.4	Selects and uses authoritative primary and/or secondary sources.
ET5.3.5	Evaluates between fact and opinion, bias, inaccurate and misleading information by consulting more than one source.
ET5.3.6	Uses appropriate digital tools to synthesize research information and develop new ideas.
ET5.3.7	Follows copyright laws when using text, images, videos and/or other sources and obtain permission to use the work of others, and cite resources appropriately.
4. CRITICAL THINKING, PROBLEM SOLVING AND DECISION MAKING	
<ul style="list-style-type: none"> • INVESTIGATION • EXPLORING SOLUTIONS 	
ET5.4.1	Writes essential questions to investigate a topic or issue using digital tools and resources.
ET5.4.2	Plans and manages research using credible digital resources to develop solutions to answer a question.
ET5.4.3	Generates solutions from different perspectives using collected resources and data.

5. DIGITAL CITIZENSHIP	
<ul style="list-style-type: none"> • SAFETY AND ETHICS • LEADERSHIP FOR DIGITAL CITIZENSHIP • IMPACT OF TECHNOLOGY 	
ET5.5.1	Explains the consequences of inappropriate use of a personal digital device.
ET5.5.2	Describes cyber-bullying and describe strategies to deal with such a situation.
ET5.5.3	Identifies and articulates rules for the use of digital tools as defined by school board policy and procedures.
ET5.5.4	Recognizes and describes the potential risks and dangers associated with various forms of online communications.
ET5.5.5	Recognizes and describes the potential advantages and risks of making an online purchase.
ET5.5.6	Exhibits legal and ethical behavior when using technology and discuss the consequences of misuse.
ET5.5.7	Exhibits digital citizenship by consistently leading by example and advocating social and civic responsibility to others.
ET5.5.8	Explains the impact of technology on individuals and society from a historical, economic, environmental and political perspective.
6. TECHNOLOGY OPERATIONS AND CONCEPTS	
<ul style="list-style-type: none"> • UNDERSTANDING • APPLICATIONS • PROBLEM SOLVING 	
TRANSFER OF KNOWLEDGE	
ET5.6.1	Describes the various technical system terms.
ET5.6.2	Defines and applies knowledge of various technical process terms.
ET5.6.3	Chooses technology applications for a given activity/project.
ET5.6.4	Recognizes and demonstrates ergonomically safe and sound use of equipment.
ET5.6.5	Identifies physical risks of using digital technology.
ET5.6.6	Demonstrates speed and accuracy in use of keyboard and data entry tools with at least 15 wpm and 80% accuracy.
ET5.6.7	Compose a document that applies intermediate formatting.
ET5.6.8	Applies spreadsheet formatting skills.
ET5.6.9	Performs searches of existing databases.
ET5.6.10	Creates multimedia presentations with multiple pages, audio, and transitions for individual assignments.
ET5.6.11	Uses interactive web content to access, read, send, and receive information.
ET5.6.12	Uses network storage drives to access information from a directory (For example: Access home folders and shared folders on the local server).
ET5.6.13	Uses the help function within software and hardware to troubleshoot issues and problems.
ET5.6.14	Transfers understanding of current input/output devices, symbols and icons, and applications to learning new technologies.