

# **ISTE's Educational Technology Standards for Students**

1. Creativity and Innovation	Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology,	a. Apply existing knowledge to generate new ideas, products, or processes		
		b. create original works as a means of personal or group expression	Draw Your Own Butterfly	
		c,. use models and simulations to explore complex systems and issues	Life Cycle Slideshow	Life Cycle Assessment
		d. identify trends and forecast possibilities		
2. Communication and Collaboration	Students use digital media and environments to communicate and work collaboratively, including at a distance. to support individual learning and contribute to the learning of others.	a. interact, collaborate, and publish, with peers. experts, or others employing a variety of digital environments and media	Garden Blog	
		b. communicate information and ideas effectively to multiple		

		audience using a variety of media and formats		
		c. develop cultural understanding and global awareness by engaging with learners of other cultures		
		d. contribute to project teams to produce original works or solve problems		
3. Research and Information Fluency	Students apply digital tools to gather, evaluate, and use information	a. plan strategies to guide inquiry		
		b. locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media		
		c. evaluate and select information sources and digital tools based on the appropriateness to specific tasks		
		d. process data and report results		
4. Critical Thinking, Problem Solving, and Decision Making	Students use critical thinking skills to plan and conduct research, manage products, solve	a. identify and define authentic problems and significant	Questions About Monarch Butterflies	Assignment

	problems, and make informed decisions using appropriate digital tools and resources	questions for investigation		
		b. plan and manage activities to develop a solution or complete a project		
		c. collect and analyze data to identify solutions and/or make informed decisions		
		d. use multiple processes and diverse perspectives to explore alternative solutions		
5. Digital Citizenship	Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior	a. advocate and practice safe, legal, and responsible use of information and technology		
		b. exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity		
		c. demonstrate personal responsibility for lifelong learning		
		d. exhibit leadership in digital citizenship		

<p>6. Technology Operations and Concepts</p>	<p>Students demonstrate a sound understanding of technology concepts, systems, and operations</p>	<p>a. understand and use technology systems</p>	<p>Video Assignments</p>	
		<p>b. select and use applications effectively and productively</p>		
		<p>c. troubleshoot systems and applications</p>		
		<p>d. transfer current knowledge to learning of new technologies</p>		