

EDUCATION CONNECTION

21st Century Skills Crosswalk

- Six Critical Skills that Form the Foundation for 21st Century Success -



Domain	NCREL/ enGauge	ISTE/ NETS	21 st Century Skills Partnership	Consensus Alignment <i>Six Among Equals</i>
<i>Information, Media And Technology Skills</i>	- Evaluate, locate, synthesize and use information effectively and accomplish these functions using technology.	- Plan strategies to guide inquiry. - Select sources and digital tools based on the appropriateness of specific tasks.	- Access, evaluate, and use information actively and creatively. - Use technology as a tool to research, organize and evaluate - function in a knowledge economy	1. Use real-world digital and other research tools to access, evaluate and effectively apply information appropriate for authentic tasks.
	- Can use technology to efficiently and effectively to achieve specific goals.	- Locate, organize, analyze, evaluate, synthesize - use from a variety of sources.	- Use appropriate tools for the problem at hand.	
	- Use real-world tools (hardware, software, networking, and peripheral devices) in real-world days.	- Demonstrate a sound understanding of technology concepts, systems, and operations.	- Use digital technology and communications tools appropriately.	
		- Troubleshoot systems and applications.	- Understand how media messages are constructed and for what purposes.	
		- Transfer current knowledge to new technologies.	- Understand how media can be interpreted differently, how values are included or excluded, and how it can influence beliefs and behaviors.	
		- Ethically use information.	- Fundamental understanding of the ethical and legal issues related to information use.	

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<i>Learning and Innovation Skills</i>	<ul style="list-style-type: none"> - Teaming and collaboration to create, solve problems, and master content. 	<ul style="list-style-type: none"> - Interact, collaborate and publish with peers, experts and others employing a variety of digital tools and media. - Contribute to project teams to produce original works or solve problems. 	<ul style="list-style-type: none"> - Ability to work effectively with diverse teams. - Work appropriately and productively with others. - Leverage collective intelligence of groups – use different perspectives to increase innovation and work quality. - Flexibility and willingness to make necessary compromises to accomplish a common goal. - Use interpersonal and problem solving skills to influence and guide others toward a goal. 	<p style="text-align: center;">2. Work independently and collaboratively to solve problems and accomplish goals.</p> <p style="text-align: center;">3. Communicate information clearly and effectively using a variety of tools/media in varied contexts for a variety of purposes.</p> <p style="text-align: center;">4. Demonstrate innovation, flexibility and adaptability in thinking patterns, work habits, and working/learning conditions.</p> <p style="text-align: center;">5. Effectively apply the analysis, synthesis, and evaluative processes that enable productive problem solving.</p>
	<ul style="list-style-type: none"> - Read and manage their own and others emotions, motivations and behaviors. 		<ul style="list-style-type: none"> - Assume shared responsibility for collaborative work. 	
	<ul style="list-style-type: none"> - Generate meaning using a range of contemporary tools, transmissions and processes. 	<ul style="list-style-type: none"> - Communicate information and ideas effectively to multiple audiences. 	<ul style="list-style-type: none"> - Articulate thoughts and ideas clearly and effectively through speaking and writing. - Develop, implement and communicate new ideas. 	
	<ul style="list-style-type: none"> - Desire to know, a spark of interest that leads to inquiry. - Set goals, plan, and independently manage and assess the quality of learning. 	<ul style="list-style-type: none"> - Personal responsibility for life-long learning. 	<ul style="list-style-type: none"> - Demonstrate commitment to learning as a lifelong process. - Monitor own understanding and learning needs. - Go beyond to explore and expand own learning. 	
	<ul style="list-style-type: none"> - Bring work into existence that is original (personally or culturally). 	<ul style="list-style-type: none"> - Apply existing knowledge to generate new ideas, products or processes – create original works as a means self-expression. 	<ul style="list-style-type: none"> - Demonstrate originality and inventiveness in work. - Work effectively in a climate of ambiguity and change. 	
	<ul style="list-style-type: none"> - Willing to make mistakes, advocate unconventional positions, or take on challenging problems to enhance growth. 	<ul style="list-style-type: none"> - Use multiple processes and diverse perspectives to explore alternative solutions. 	<ul style="list-style-type: none"> - Be open and responsive to new and diverse perspectives. - Bridge cultural differences and use differing perspectives to increase the innovation and work quality. - Adapt to varied roles and responsibilities. 	
	<ul style="list-style-type: none"> - Adept at cognitive processes of analysis, inference, synthesis and evaluation in a range of contexts and domains. 	<ul style="list-style-type: none"> - Identify trends, forecast possibilities, and use models to explore complex systems and issues. - Identify and define authentic problems and significant questions for investigation. - Collect and analyze data to identify solutions. 	<ul style="list-style-type: none"> - Make complex choices, understand interconnected systems, identify and ask significant questions, clarify points of view. - Frame, analyze, and synthesize information in order to solve problems and answer questions. 	

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<i>Life and Career Skills</i>	<ul style="list-style-type: none"> - Manage multiple environments, goals, tasks and inputs while understanding and adhering to organizational constraints (time, resources, and systems). - Organize to efficiently achieve the goals of specific projects or problems. 	<ul style="list-style-type: none"> - Plan and manage activities to develop a solution or complete a project. 	<ul style="list-style-type: none"> - Leverage strengths of others to accomplish a common goal. - Define, prioritize and complete tasks without direct oversight. - Utilize time efficiently and manage workload. - Demonstrate diligence and positive work ethic. 	6. Value and demonstrate personal responsibility, character, cultural understanding, and ethical behavior.
	<ul style="list-style-type: none"> - Develop intellectual, informational, or material products that serve authentic purposes. 		<ul style="list-style-type: none"> - Set and meet high standards and goals for delivering quality work on time. 	
	<ul style="list-style-type: none"> - Social and civic responsibility. 	<ul style="list-style-type: none"> - Exhibit leadership for digital citizenship. - Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity. 	<ul style="list-style-type: none"> - Act responsibly with the interests of the larger community in mind. 	
	<ul style="list-style-type: none"> - An appreciation for the legal and ethical issues related to technology - there is balance and integrity in the perception and approach. 	<ul style="list-style-type: none"> - Advocate and practice safe, legal, and responsible use of information and technology. 	<ul style="list-style-type: none"> - Demonstrate integrity and ethical behavior. 	
	<ul style="list-style-type: none"> - Recognize and appreciate similarities and differences between the customs, values, and beliefs of their own culture and the cultures of others. - Recognize and understand relationships among various entities across the globe. 	<ul style="list-style-type: none"> - Cultural understanding and global awareness 	<ul style="list-style-type: none"> - Use 21st Century skills to address global issues. - Learn from and work with individuals who represent diverse cultures, religions and lifestyles in a spirit of mutual respect and open dialogue in a variety of contexts. 	
	<ul style="list-style-type: none"> - Basic language, scientific, economic, and visual literacy proficiencies. 			

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