



## 21st Century Skills

### Foundational practices for 21st Century Learning in Littleton Public Schools

- The learning outcome must be articulated, appropriate, and purposeful.
  - Technology must be integrated throughout the 21<sup>st</sup> Century Classroom. Instruction will utilize the most appropriate technology for the learning outcome.
  - Students understand and can communicate the learning outcome.
  - Teachers continuously broaden their teaching practice to differentiate in a way that ensures all students meet challenging learning expectations
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### Critical Thinking and Reasoning

Professional	Student-Based
<p>Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions.</p> <p>Students will:</p>	<p>I need to be an active problem solver while learning. I need to be able to make decisions about how to gather, evaluate, and apply information to address problems and demonstrate my learning.</p> <p>Students say:</p>
<ul style="list-style-type: none"> <li>• identify and define authentic problems and significant questions for investigation.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Let me have independence to plan for and develop work that is important to me.</i></li> </ul>
<ul style="list-style-type: none"> <li>• plan and manage activities to develop a solution or complete a project.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>I need to choose how I complete a project.</i></li> </ul>
<ul style="list-style-type: none"> <li>• collect and analyze data/facts to identify solutions and/or make informed decisions.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Help me gather and evaluate information to further my understanding, make decisions and solve problems.</i></li> </ul>
<ul style="list-style-type: none"> <li>• use multiple processes and diverse perspectives to explore alternative solutions.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Let me explore new learning using a variety of tools, methods, and opinions.</i></li> </ul>
<ul style="list-style-type: none"> <li>• select and use appropriate digital tools and resources.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Give me choice in the way I publish my learning.</i></li> </ul>



## 21st Century Skills

### Information Literacy/Fluency

Professional	Student-Based
Students apply digital tools to gather, evaluate, and use information. Students demonstrate a sound understanding of technology concepts, systems, and operations.  Students will:	I need to use technology to gather and evaluate information that helps me learn and demonstrate my learning.  Students say:
<ul style="list-style-type: none"> <li>• plan strategies to guide inquiry.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Let me develop a plan to guide my learning.</i></li> </ul>
<ul style="list-style-type: none"> <li>• locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Give me opportunities to discover information, to decide if it is trustworthy, and to use it in my learning.</i></li> </ul>
<ul style="list-style-type: none"> <li>• evaluate and select information sources and digital tools based on the appropriateness to specific tasks.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Give me choice in the technology I use to show my learning.</i></li> </ul>
<ul style="list-style-type: none"> <li>• process data and report results.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Let me process information and report to others what it means.</i></li> </ul>

## 21st Century Skills

### Creativity and Invention

Professional	Student-Based
<p>Students demonstrate creative thinking, construct knowledge, and invent products and processes using evolving technology tools of the day.</p> <p>Students will:</p>	<p>Let me be creative and inventive; New technology motivates me to learn more.</p> <p>Students say:</p>
<ul style="list-style-type: none"> <li>• apply existing knowledge to generate new ideas, products, or processes.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Let me expand my knowledge to create something new.</i></li> </ul>
<ul style="list-style-type: none"> <li>• create original works as a means of personal or group expression.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Help me to create original work by myself and with others.</i></li> </ul>
<ul style="list-style-type: none"> <li>• use models and simulations to explore complex systems and issues.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Give me examples to help me understand and opportunities to learn by doing.</i></li> </ul>
<ul style="list-style-type: none"> <li>• identify trends and forecast possibilities.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Help me see possibilities and let me predict what might happen.</i></li> </ul>



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### Collaboration

Professional	Student-Based
<p>Students use developing technologies of the day to communicate and to work collaboratively, regardless of distance, to support individual learning and to contribute to the learning of others.</p> <p>Students will:</p>	<p>I need to learn with and from others around the world along with the person sitting next to me.</p> <p>Students say:</p>
<ul style="list-style-type: none"> <li>• interact, collaborate, and publish with peers, experts, or others employing a variety of digital environments and media.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>I like learning with others using technology in many ways.</i></li> </ul>
<ul style="list-style-type: none"> <li>• communicate information and ideas effectively to multiple audiences using a variety of media and formats.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>It's important to me to share my learning with people inside and outside my classroom.</i></li> </ul>
<ul style="list-style-type: none"> <li>• develop cultural understanding and global awareness by engaging with learners from other cultures.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>I want to learn with and about others from all around the world.</i></li> </ul>
<ul style="list-style-type: none"> <li>• contribute to project teams to produce original works or solve problems.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Help me learn to work with a team to solve problems.</i></li> <li>• <i>Encourage me to develop positive relationships and resolve conflicts respectfully.</i></li> </ul>



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### Self-Direction and Empowerment

Professional	Student-Based
<p>Students understand cultural and societal issues; practice legal and ethical behavior; and take initiative to become lifelong learners in challenging, engaging, and relevant ways.</p> <p>Students will:</p>	<p>Teach me how to learn when the answers aren't right there, so I can grow into a responsible, global citizen.</p> <p>Students say:</p>
<ul style="list-style-type: none"> <li>• advocate and practice safe, legal, and responsible use of information and technology.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>I'm going online; help me learn to be safe and responsible.</i></li> </ul>
<ul style="list-style-type: none"> <li>• demonstrate personal responsibility for learning how to learn.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Help me learn how I can learn, even when it is difficult.</i></li> </ul>
<ul style="list-style-type: none"> <li>• exhibit leadership and character in a world of shifting priorities, boundaries, and expectations.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Help me connect with the ever-changing world.</i></li> </ul>
<ul style="list-style-type: none"> <li>• master the essentials through relevant learning and the pursuit of personal interests.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Let me explore my interests while I master the essentials.</i></li> </ul>