



Characteristics of Career and College Ready Students

Technology and Tools

Early Childhood Expectations – Infant/Toddler (I/T) and Preschool (PK) Standards	Michigan Literacy Anchor Standards	NRC Science and Engineering Practices	Michigan Social Studies C3	Michigan Mathematics Practices	Michigan Visual, Performing, and Applied Arts (VPAA) Guidelines	CTE Career Ready Practices
<p>(I/T) develop a growing sense of social relationships, the natural environment, and the physical world</p> <p>(PK) use digital resources to locate and use information</p> <p>(PK) explain some ways that technology can be used to solve problems</p>	<p>Integrate and evaluate content presented in diverse formats and media</p> <p>Use digital media and visual displays of data to express information; produce and publish writing, interact and collaborate with others; and gather relevant information from multiple sources</p>	<p>Use mathematics, information and computer technology, and computational thinking</p> <p>Develop and use models</p>	<p>Apply disciplinary concepts and tools</p>	<p>Use appropriate tools strategically</p> <p>Model with mathematics</p>	<p>Create preliminaries, possibilities and drafts</p> <p>Acquire knowledge and skills</p>	<p>Apply appropriate academic and technical skills</p> <p>Use technology to enhance productivity</p>



Argument and Reasoning

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<p>(I/T) learn strategies for active exploration, thinking, and reasoning</p> <p>(PK) develop skills to communicate effectively for a variety of purposes</p> <p>(PK) view a variety of images and multimedia materials effectively and critically</p>	<p>Evaluate argument and claims in a text, speech, or write arguments to support claims</p> <p>Draw evidence from literary and informational texts to support analysis, reflection, and research</p> <p>Present information, findings, and supporting evidence</p>	<p>Engage in argument from evidence</p> <p>Analyze and interpret data</p>	<p>Evaluate sources and using evidence</p>	<p>Construct viable arguments and critique the reasoning of others</p> <p>Reason abstractly and quantitatively</p>	<p>Recognize patterns and relationships</p> <p>Use questions, problems, needs, reflections and revisions to engage in the artistic/creative process</p>	<p>Consider the environmental, social and economic impacts of decisions</p> <p>Employ valid and reliable research strategies</p>



Communication and Collaboration

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<p>(I/T) communicate through the use of symbols/pictures, signs, and stories</p> <p>(I/T) interact and learn with and alongside others</p> <p>(PK) express themselves clearly and communicate ideas to others</p> <p>(PK) understand that communication is diverse and that people communicate in a variety of ways.</p>	<p>Effectively converse and collaborate with diverse partners</p> <p>Use language to comprehend more fully when reading or listening</p> <p>Produce clear and coherent writing</p>	<p>Obtain, evaluate, and communicate information</p>	<p>Communicate conclusions and taking informed action.</p>	<p>Attend to precision</p>	<p>Exhibit, perform, present, or publish</p> <p>Apply techniques and skills to communicate</p>	<p>Act as a responsible and contributing citizen and employee</p> <p>Communicate clearly, effectively and with reason</p> <p>Model integrity, ethical leadership and effective management</p> <p>Work productively in teams while using cultural/global competence</p>



Problem Solving

Early Childhood Expectations – Infant/Toddler (I/T) and Preschool (PK) Standards	Michigan Literacy Anchor Standards	NRC Science and Engineering Practices	Michigan Social Studies C3	Michigan Mathematics Practices	Michigan Visual, Performing, and Applied Arts (VPAA) Guidelines	CTE Career Ready Practices
<p>(I/T) discover and develop different ways to be creative and express their feelings and thoughts</p> <p>(PK) use originality, vision, or imagination, to visualize a solution</p> <p>(PK) make meaning to find a solution or figure something out.</p>	<p>Integrate multiple sources of information in order to make informed decisions and solve problems</p> <p>Conduct research projects</p>	<p>Ask questions (science) and define problems (engineering)</p> <p>Plan and carry out investigations</p> <p>Construct explanations (science) and design solutions (engineering)</p>	<p>Develop questions and planning inquiries</p>	<p>Make sense of problems and persevere in solving them</p> <p>Look for and make sense of structure</p> <p>Look for and express regularity in repeated reasoning</p>	<p>Present art, products, or solutions</p> <p>Problem solve; make critical decisions and edits</p> <p>Experiment and search out problems</p>	<p>Attend to personal health and financial well-being</p> <p>Demonstrate creativity and innovation</p> <p>Utilize critical thinking to make sense of problems and persevere in solving them</p> <p>Plan education and career path aligned to personal goals</p>



Career and College Ready Students...

- use **technology and tools** strategically in learning and communicating;
- use **argument and reasoning** to do research, construct arguments, and critique the reasoning of others;
- **communicate and collaborate** effectively with a variety of audiences;
- **solve problems**, construct explanations and design solutions.