# Characteristics of Career and College Ready Students

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<tbody>
<tr>
<td>Technology and Tools</td>
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<tr>
<td>• Integrate and evaluate content presented in diverse formats and media</td>
<td>• Use mathematics, information and computer technology, and computational thinking</td>
<td>• Compose written, spoken, and/or multimedia compositions in a range of genres ... that serve a variety of purposes</td>
<td>• Use appropriate tools strategically</td>
<td>• Create preliminaries, possibilities and drafts</td>
<td>• Apply appropriate academic and technical skills</td>
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<td>• 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</td>
<td>• Develop and use models</td>
<td>• Know how to find and organize information from a variety of sources</td>
<td>• Model with mathematics</td>
<td>• Acquire knowledge and skills</td>
<td>• Use technology to enhance productivity</td>
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<td>Argument and Reasoning</td>
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<td>• Evaluate argument and claims in a text, speech, or write arguments to support claims</td>
<td>• Engage in argument from evidence</td>
<td>• Present a coherent thesis when making an argument, support with evidence, articulate and answer possible objections, and present a concise, clear closing</td>
<td>• Construct viable arguments and critique the reasoning of others</td>
<td>• Recognize patterns and relationships</td>
<td>• Consider the environmental, social and economic impacts of decisions</td>
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<td>• Draw evidence from literary and informational texts to support analysis, reflection, and research</td>
<td>• Analyze and interpret data</td>
<td>• Write persuasive/argumentative essays expressing and justifying decisions on public policy issues</td>
<td>• Reason abstractly and quantitatively</td>
<td>• Questions, problems, needs, reflections, and revisions</td>
<td>• Employ valid and reliable research strategies</td>
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<td>• Present information, findings, and supporting evidence</td>
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### Communication and Collaboration

- **Effectively converse and collaborate with diverse partners**
- **Use language to comprehend more fully when reading or listening**
- **Produce clear and coherent writing**

- **Obtain, evaluate, and communicate information**
- **Develop and refine a position, claim... that will be explored and supported by analyzing different perspectives**
- **Deeply examine policy issues in group discussions and debates (clarify issues, consider opposing views, apply democratic values or constitutional principles, anticipate consequences) to make reasoned and informed decisions**
- **Attend to precision**

- **Exhibit, perform, present, or publish**
- **Apply techniques and skills to communicate**

- **Act as a responsible and contributing citizen and employee**
- **Communicate clearly, effectively and with reason**
- **Model integrity, ethical leadership and effective management**
- **Work productively in teams while using cultural/global competence**

### Problem Solving

- **Integrate multiple sources of information in order to make informed decisions and solve problems**
- **Conduct research projects**

- **Ask questions (science) and define problems (engineering)**
- **Plan and carry out investigations**
- **Construct explanations (science) and design solutions (engineering)**
- **Clearly state an issue as a question of public policy; trace the origins of an issue; analyze various perspectives; and generate and evaluate possible alternative resolutions**
- **Use deductive and inductive problem-solving skills as appropriate to the problem being studied**
- **Make sense of problems and persevere in solving them**
- **Look for and make sense of structure**
- **Look for and express regularity in repeated reasoning**

- **Present art, products, or solutions**
- **Problem solve, make critical decisions, and edits**
- **Experiment and search out problems**

- **Attend to personal health and financial well-being**
- **Demonstrate creativity and innovation**
- **Utilize critical thinking to make sense of problems and persevere in solving them**
- **Plan education and career path aligned to personal goals**

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**Michigan Literacy Anchor Standards**

**NRC Science and Engineering Practices**

**Michigan Social Studies HSCE/GLCE**

**Michigan Mathematics Practices**

**Michigan Visual, Performing, and Applied Arts (VPA) Guidelines**

**CTE Career Ready Practices**
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.