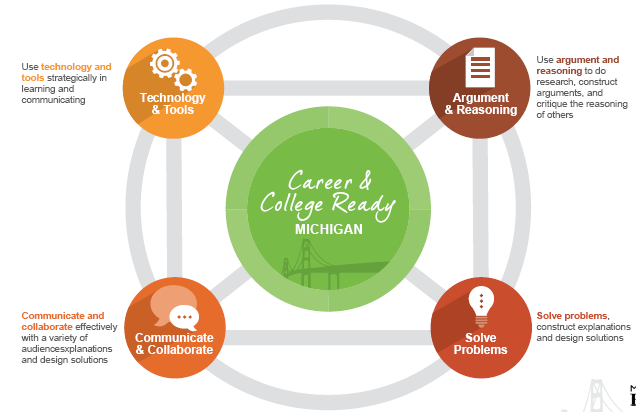
**Characteristics of Career and College Ready Students**

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

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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** | |
|  | | | **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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**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.