



Montana Small Schools Alliance

Presents

*2022
Curriculum Guide*

*Career and Technical Education
CTE*

9-12

Compiled by

*Montana Rural Teachers
Montana County Superintendents
Montana Small Schools Alliance*

Career and Technical Education
Standard One

Students must acquire skills and behaviors that allow them to act as responsible citizens who contribute to their society.

9-12
engage in positive, safe, legal, and ethical behavior; and
model industry-identified, career-ready skills;

Career and Technical Education
Standard Two

Students will demonstrate creativity and innovation in problem solving.

9-12
design and implement an innovation
evaluate peer innovations and provide feedback

Career and Technical Education
Standard Three

Students will utilize critical thinking to make sense of problems and persevere in solving them.

9-12
devise forecasts or solutions to problems that reflect analysis of trends
utilize understanding of resources and culture to devise collaborative solutions to problems
utilize multiple resources to test and refine solutions to a problem

Career and Technical Education
Standard Four

Students will plan education and career paths aligned to personal goals.

9-12
execute a program of study following a Career Pathway, evaluating the opportunities for personal and professional lifelong learning
explore the benefits of having a personal or career mentor
construct and complete resumes, applications, and other necessary work-related documents
evaluate job descriptions that align to a selected Career Pathway and the necessary skill set
prepare and practice for, and demonstrate skills needed for job interviews in a selected Career Pathway

Career and Technical Education
Standard Five

Students will communicate clearly, effectively and with reason.

9-12
model integrity, ethical leadership, and effective employability skills in all communication
evaluate and use information systems to prepare technical documents for the workplace
model appropriate strategies for communicating persuasively in professional settings to effectively interact with individuals from various cultural, ethnic, and language backgrounds
employ awareness of world cultures and languages in work-based learning opportunities

Career and Technical Education
Standard Six

Students will use technology to enhance productivity, communicate and work collaboratively.

9-12
describe how job market changes have resulted from scientific advancements and the increased use of technology in the global economy
evaluate the purpose of technology tools and multimedia to analyze their impact on productivity in homes, schools, and workplaces
safely and ethically use current industry-standard and emerging technologies
model appropriate communication and technological skills to seek, obtain, and change jobs/careers

Career and Technical Education
Standard Seven

Students will work productively in teams using cultural and global competence.

9-12
work productively in teams while using cultural/global competence by collaborating to address geographic, economic, cultural, or political issues considering multiple perspectives

Career and Technical Education
Standard Eight

Students will consider the environmental, social, and economic aspects of decisions.

9-12
design and construct safe working environments according to government and industry standards
create plans and policies that reflect deep understanding of individual histories and societal complexities in a work environment
integrate personal protective equipment use regularly in necessary environments

Career and Technical Education
Standard Nine

Students will model integrity, ethical leadership, and effective management.

9-12
apply laws, regulations, and policies to personnel situations that help employees perform their jobs according to employer rules and expectations
apply insight to positively influence others' actions, attitudes, and beliefs based on the needs of the workplace
create and modify procedures to most effectively function within laws, regulations, and policies

Career and Technical Education
Standard Ten

Students will attend to personal health and financial well-being.

9-12
evaluate validity of health and financial information, products, and services
analyze financial practices including budgeting, banking, savings, investments
explain significance in achieving personal and business short- and long-term goals
develop financial goals based on lifestyle expectations, education plans, and career choices

Career and Technical Education
Standard Eleven

Students will employ valid and reliable research strategies.

9-12
use evidence from multiple sources to defend a position
determine various research methodologies based on a defined problem/purpose
identify research protocols required to ensure legality, validity, and reliability

Career and Technical Education
Standard Twelve

Students will apply appropriate academic and technical skills.

9-12
compose clear and coherent documents and presentations appropriate to task, purpose, and audience
demonstrate knowledge of mathematical operations needed to succeed in a selected Career Pathway
apply appropriate scientific methods in qualitative and quantitative analysis in a selected Career Pathway