



ADMINISTRATIVE RULES OF MONTANA



10.53.1009 CAREER AND TECHNICAL EDUCATION STANDARDS FOR NINTH THROUGH TWELFTH GRADE

- (1) The career and technical education standards for ninth through twelfth grades are that each student will:
 - (a) act as a responsible and contributing citizen and employee:
 - (i) engage in positive, safe, legal, and ethical behavior; and
 - (ii) model industry-identified, career-ready skills;
 - (b) apply appropriate academic and technical skills:
 - (i) compose clear and coherent documents and presentations appropriate to task, purpose, and audience;
 - (ii) demonstrate knowledge of mathematical operations needed to succeed in a selected Career Pathway;
 - (iii) apply appropriate scientific methods in qualitative and quantitative analysis in a selected Career Pathway;
 - (c) attend to personal health and financial well-being:
 - (i) evaluate validity of health and financial information, products, and services;
 - (ii) analyze financial practices including budgeting, banking, savings, investments;
 - (iii) explain significance in achieving personal and business short and long term goals; and
 - (iv) develop financial goals based on lifestyle expectations, education plans, and career choices;
 - (d) communicate clearly, effectively, and with reason:
 - (i) model integrity, ethical leadership, and effective employability skills in all communication;
 - (ii) evaluate and use information systems to prepare technical documents for the workplace;
 - (iii) model appropriate strategies for communicating persuasively in professional settings to effectively interact with individuals from various cultural, ethnic, and language backgrounds; and
 - (iv) employ awareness of world cultures and languages in work-based learning opportunities;

- (e) consider the environmental, social, and economic impacts of decisions:
 - (i) design and construct safe working environments according to government and industry standards;
 - (ii) create plans and policies that reflect deep understanding of individual histories and societal complexities in a work environment; and
 - (iii) integrate personal protective equipment use regularly in necessary environments;
- (f) demonstrate creativity and innovation:
 - (i) design and implement an innovation; and
 - (ii) evaluate peer innovations and provide feedback;
- (g) employ valid and reliable research strategies:
 - (i) use evidence from multiple sources to defend a position;
 - (ii) determine various research methodologies based on a defined problem/purpose; and
 - (iii) identify research protocols required to ensure legality, validity, and reliability;
- (h) utilize critical thinking to make sense of problems and persevere in solving them:
 - (i) devise forecasts or solutions to problems that reflect analysis of trends;
 - (ii) utilize understanding of resources and culture to devise collaborative solutions to problems; and
 - (iii) utilize multiple resources to test and refine solutions to a problem;
- (i) model integrity, ethical leadership, and effective management:
 - (i) apply laws, regulations, and policies to personnel situations that help employees perform their jobs according to employer rules and expectations;
 - (ii) apply insight to positively influence others' actions, attitudes, and beliefs based on the needs of the workplace; and
 - (iii) create and modify procedures to most effectively function within laws, regulations, and policies;
- (j) plan education and career path aligned to personal goals:
 - (i) execute a program of study following a Career Pathway, evaluating the opportunities for personal and professional lifelong learning;
 - (ii) explore the benefits of having a personal or career mentor;
 - (iii) construct and complete resumes, applications, and other necessary work-related documents;
 - (iv) evaluate job descriptions that align to a selected Career Pathway and the necessary skill set; and

- (v) prepare and practice for, and demonstrate skills needed for job interviews in a selected Career Pathway;
- (k) use technology to enhance productivity:
 - (i) describe how job market changes have resulted from scientific advancements and the increased use of technology in the global economy;
 - (ii) evaluate the purpose of technology tools and multimedia to analyze their impact on productivity in homes, schools, and workplaces;
 - (iii) safely and ethically use current industry-standard and emerging technologies; and
 - (iv) model appropriate communication and technological skills to seek, obtain, and change jobs/careers; and
- (l) work productively in teams while using cultural/global competence by collaborating to address geographic, economic, cultural, or political issues considering multiple perspective.

Authorizing statute(s): Mont. Const. Art. X, sec. 9, 20-2-121, MCA

Implementing statute(s): Mont. Const. Art. X, sec. 9, 20-2-121, 20-3-106, 20-7-101, MCA

History: NEW, 2020 MAR p. 2136, Eff. 7/1/21.