Alabama CTE

CTE Lab in Education and Training (2022)

Foundational Standards

1. **Incorporate safety procedures in handling, operating, and maintaining tools and machinery; handling materials; utilizing personal protective equipment; maintaining a safe work area; and handling hazardous materials and forces.** F.1
2. **Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork.** F.2
3. **Explore the range of careers available in the field and investigate their educational requirements and demonstrate job-seeking skills including resume-writing and interviewing.** F.3
4. **Advocate and practice safe, legal, responsible, and ethical use of information and technology tools specific to the industry pathway.** F.4
5. **Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork.** F.5

Occupational Expertise

1. **Demonstrate expertise in a specific occupation within the Education and Training cluster.** 1
   - a Meet benchmarks selected by the instructor from the appropriate curriculum frameworks, based upon the individual student's assessed needs. 1.A

Research and Presentation

2. **Conduct investigative research on a selected topic related to education and training using approved research methodology, interpret findings, and prepare a presentation to defend results.** 2
   - a Select an investigative study based on research and prior knowledge. 2.A
   - b Collect, organize, and analyze data accurately and precisely. 2.B
   - c Design procedures to test the research. 2.C
   - d Report, display, and defend the results of investigations to audiences that may include professionals and technical experts. 2.D
3. **Demonstrate higher order critical thinking and reasoning skills appropriate for a career in education and training.** 3

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a Use mathematical and/or scientific skills to solve problems encountered in the chosen occupation. 3.A

b Locate, evaluate, and interpret information related to the chosen occupation in oral, print, and digital formats. 3.B

c Analyze and apply data and/or measurements to solve problems and interpret documents. 3.C

d Construct charts, tables, or graphs using functions and data. 3.D

Leadership

4 Apply leadership and professional career skills needed in education and training careers. 4

a Develop and deliver a professional presentation offering potential solutions to a current issue. 4.A

b Demonstrate leadership and career skills in job placement, job shadowing, entrepreneurship, or internship, or by obtaining an industry-recognized credential of value. 4.B

c Participate in leadership development opportunities available through FCCLA and/or professional organizations in the education and training field. 4.C

d Demonstrate written and oral communication skills through presentations, public speaking, live or virtual interviews, and/or an employment portfolio. 4.D