Colorado CTE

Maintenance and Operations (2015): Grades 9, 10, 11, 12, Higher Education

Adopted 2015

Technical Skills: Use the technical knowledge and skills required to pursue the targeted careers for all pathways in the career cluster, including knowledge of design, operation, and maintenance of technological systems critical to the career cluster. MOPP.01

01. Read, interpret, and use technical drawings, documents, and specifications to plan a project. MOPP.01.01

- a. Interpret drawings used in project planning. MOPP.01.01.A
- b. Use architect's plan, manufacturer's illustrations and other materials to communicate specific data and visualize proposed work. MOPP.01.01.B

02. Use and maintain appropriate tools, machinery, equipment, and resources to accomplish project goals. MOPP.01.02

- a. Select tools, machinery, equipment, and resources that match requirements of the job. MOPP.01.02.A
- b. Identify sources of information concerning state-of-the-art tools, equipment, materials, technologies and methodologies. MOPP.01.02.B
- c. Demonstrate use of tools, machinery, equipment and other resources commonly used in design and construction. MOPP.01.02.C

03. Apply construction skills when repairing, restoring, or renovating existing structures to ensure long term use of buildings and structures. MOPP.01.03

- a. Plan solution to restoration problem upon evaluation. MOPP.01.03.A
- b. Determine materials required to complete restoration. MOPP.01.03.B
- c. Implement strategies that produce a restored structure. MOPP.01.03.C

04. Plan and practice preventative maintenance activities to service existing structures. MOPP.01.04

- a. Develop a checklist to track preventative maintenance. MOPP.01.04.A
- b. Identify tools and materials needed to perform preventative maintenance. MOPP.01.04.B