Colorado CTE

Construction (2015): Grades 9, 10, 11, 12, Higher Education

Adopted 2015

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

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

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

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

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

03. Understand purpose for scheduling as it relates to successful completion of the project. CONP.01.03

- a. Develop a schedule for a specific project. CONP.01.03.A
- b. Explain rationale for a specific scheduling procedure. CONP.01.03.B

04. Create and apply a jobsite safety program to ensure safe practices and procedures. CONP.01.04

- a. Determine procedures for a jobsite safety program. CONP.01.04.A
- b. Explain the importance of workers being OSHA certified. CONP.01.04.B

05. Examine building systems and components to evaluate their usefulness to a project. CONP.01.05

- a. Identify building systems needed to complete a construction project. CONP.01.05.A