

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](#)