



<https://pcm2u.globaledfoundation.com/>

Construction Fundamentals and Careers

Objectives

In this course, students will:

- Examine the timeline of how construction started and has evolved in the United States
- Evaluate the necessity of basic mathematics in home construction and use basic math functions to complete job site/workplace tasks
- Recognize elements and symbols of blueprints and drawings
- Plan, organize, schedule, and manage a project/job to optimize workflow and outcome
- Demonstrate methods to correct common design and construction hazards
- Understand contractual relationships with all parties involved in the building process to ensure successful build of a project.
- Identify the various roles in the construction of a home
- Describe the steps necessary to start a construction business
- Describe the differing components between a home construction and a green home construction project
- Discuss the potential impact of robotics to construction and green construction