

LESSON 1.3

Use Theorems About Angles



CAREER SPOTLIGHT: Carpenter

Occupation Description

Carpenters construct, repair, and install building frameworks and structures made from wood and other materials.

Carpenters have many different tasks. Some carpenters insulate office buildings; others install drywall or kitchen cabinets in homes. Still others focus on production or commercial work to help construct tall buildings or bridges. These carpenters also erect shoring and scaffolding for buildings.

Education

Carpenters typically need a high school diploma and learn on the job or through apprenticeships. Certain high school courses, such as mathematics and mechanical drawing, may be useful. Some vocational-technical schools offer associate's degrees in carpentry. The programs vary in length and teach basics and specialties in carpentry.

Potential Employers

The largest employers of carpenters are as follows:

Self-employed workers	27%
Residential building construction	22%
Nonresidential building construction	13%
Building finishing contractors	12%
Foundation, structure, and building exterior contractors	10%

Watch a video about carpenters:

<https://cdn.careeronestop.org/OccVids/OccupationVideos/47-2031.00.mp4>

Career Cluster

Architecture & Construction

Career Pathway

Construction

Career Outlook

- Salary Projections:
Low-End Salary, \$30,170
Median Salary, \$48,330
High-End Salary, \$84,690
- Jobs in 2018: 1,006,500
- Job Projections for 2028:
1,086,600 (increase of 8%)

Geometry Concept

- Apply theorems about angles.

Is this a good career for me?

Carpenters:

- Follow blueprints and building plans to meet the needs of clients
- Measure, cut, and shape wood, plastic, and other materials
- Construct and install building frameworks, including walls, floors, and doorframes
- Instruct and direct laborers and other construction helpers
- Install structures and fixtures, such as windows and molding
- Inspect and replace damaged framework or other structures and fixtures