

CARPENTRY INSTRUCTOR: MR. JERRY MATTHEWS

# CARPENTRY

*Measure Twice, Cut Once*

## Necessary Skills:

- Critical Thinking
- Information Ordering
- Control Precision
- Communication
- Physical Strength
- Manual Dexterity
- Time Management
- Deductive Reasoning
- Reading & Interpreting

## JOB DEMANDS

Working as a Carpenter is not for everyone.

Most jobs in this field require a great deal of physical exertion, moving constantly and repetitively.

Carpentry work can be dangerous, with carpenters working with various saws, drills, and other power tools, personal protective equipment is a must.

Carpenters must be able to solve complex math problems and work with a variety of



## Keep Building America!

*Carpenters* construct, erect, install, and repair structures and fixtures made from wood and other materials. Carpenters are involved in many different kinds of construction, from the building of highways and bridges to the installation of kitchen cabinets.

Each carpentry task is somewhat different, but most involve the same basic steps. Working from blueprints or instructions from supervisors, carpenters first do the layout- measuring, marking, and arranging materials- in accordance with local building codes. They cut and shape wood, plastic, fiberglass, or drywall using hand and power tools, such as chisels, planes, saws, drills, and sanders. They then join the materials with nails, screws, staples, or adhesives. In the last step, carpenters do a final check of the accuracy of their work with levels, rules, plumb bobs, framing squares, and surveying equipment, and make any necessary adjustments. Some materials come prefabricated, allowing for easier and faster installation.

## Work & Wages

Carpenters:  
\$12-22/hr

Highly skilled  
Carpenters are sought  
by numerous  
employers in  
Southwest  
Pennsylvania!

Sources: bls.gov

Program of Study  
advantage:  
By completing all of  
your task list and  
NOCTI tests, you will  
be eligible to receive  
Articulated Credits  
(college credit for  
CTC classes) toward  
your Associates  
Degree—saving you  
time and \$\$\$!

## Take the Right Academic Classes !

### Math

Algebra I  
Algebra II  
Geometry  
College Prep Math  
(recommended)

### English

College Prep English I  
College Prep English II  
College Prep English III  
College Prep English IV

### Science

Biology  
Chemistry  
Physics

### Humanities

Civics  
U.S. History  
World History



## Carpentry/Carpenter CIP #46.0201

Colleges that are participating in the Statewide Articulation Agreement for this program include:

- Johnson College
- Commonwealth Technical Institute
- Harrisburg Area Community College
- Thaddeus Stevens College of Technology



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The Connellsville Area School District is an equal opportunity employer and educational institution and will not discriminate on the basis of race, color, national origin, sex, disability or age in its activities, programs or employment practices as required by Title VI, Title IX and Section 504. Inquiries or grievances should be directed to Karen Marko 724-628-3300

### Clothing/Safety requirements:

**1<sup>st</sup> Year:** Safety Glasses (1<sup>st</sup> pair supplied by school)  
Long pants and hard sole work boot  
(supplied by student)  
Required 2nd week from start of school year

**2<sup>nd</sup> Year:** Safety Glasses (1<sup>st</sup> pair supplied by school)  
Long pants and hard sole work boot  
(supplied by student)  
Required: 1st week from start of school year

**3<sup>rd</sup> Year:** Safety Glasses (1<sup>st</sup> pair supplied by school)  
Long pants and hard sole work boot  
(supplied by student)  
Required: 1st week from start of school year

### Industry Certifications offered:

OSHA 10 hour Construction Safety Certificate

Pa SkillsCertificate in Carpentry

\*NOCTI (National Occupational Competency Test)

### Student Organizations:

SkillsUSA

### CARPENTRY COMPETENCY TASK LIST

1st Year (360 Hours)	2nd Year (360 Hours)	3rd Year (360 Hours)
Safety/Occupational Orientation (70)	Site Preparation and Layout (90)	Framing/Roof Construction (105)
Hand Tools (130)	Footings & Foundations (100)	Exterior Finish (100)
Power Tools (130)	Framing/Floor Construction (85)	Interior Finish (100)
Blueprint Reading (30)	Framing/Wall Construction (85)	Estimating (55)