

ARCHITECTURE AND CONSTRUCTION

Steve Draeger, Instructor

INDUSTRY CERTIFICATIONS

- Carpentry (NOCTI)
- Carpentry (SkillsUSA)
- Carpentry Level One
- Core: Introductory Craft Skills
- Customer Service
- National Career Readiness
- Residential Construction Academy
- OSHA 10 Hr. Card
- Workplace Readiness Skills for the Commonwealth

POSSIBLE CAREER PATHWAYS

- Carpenter
- Finish Carpenter
- Kitchen Planner
- Furniture Designer
- Millman
- Cabinet Maker
- Furniture Refinisher
- General Contractor
- Estimator
- Architecture and Construction
- Construction
- Design/Pre-Construction
- Maintenance and Operations

COLLEGE AND CAREER OPPORTUNITIES

- Know How Virginia
www.knowhowvirginia.org/
- Tidewater Community College
www.tcc.edu/
- College Board
www.collegeboard.com/
- Virginia Career View
www.vaview.vt.edu/
- Indeed Online Job Search
<http://www.indeed.com/>
- Career Connection
<http://jobs.hamptonroads.com/>

STARTING SALARY

\$36,200 - \$42,090

Earning may vary by specialty

Bureau of Labor Statistics, U.S. Department of Labor, *Occupational Outlook Handbook, 2016-17 Edition*, Carpenters,

on the Internet at

<http://www.bls.gov/ooh/construction-and-extraction/carpenters.htm>

**The Carpentry course participates in the SkillsUSA co-curricular club.



Carpentry

PROGRAM DESCRIPTION

This course uses a two-year cluster approach, including learning experiences in both carpentry and cabinetmaking, and is designed to meet the needs of students who have interests and abilities in both occupations. The students work with rough lumber for framework and with finished lumber and materials in trim work; make and install cabinets and furniture; and learn to use all carpentry tools, woodworking machines, and building materials in the shop, as well as on building sites. The learn to use blueprints, drawings, and basic principles of design as related to cabinets, furniture, forms, and buildings.

PROGRAM CONTENTS/SKILLS

- ◆ Applying Basic Construction Safety Standards (Core Safety)
- ◆ Applying Hand and Power Tool Safety and Maintenance
- ◆ Applying Mathematics Related to Carpentry and Construction
- ◆ Reading Blueprints
- ◆ Performing Basic Carpentry Skills
- ◆ Cutting and Shaping Stock
- ◆ Working with Fasteners
- ◆ Identifying Elements of Foundations and Forms
- ◆ Framing Walls
- ◆ Framing a Ceiling
- ◆ Framing a Roof
- ◆ Installing Trusses
- ◆ Installing Roofing
- ◆ Constructing and Installing Straight (i.e., Basic) Stairs
- ◆ Installing Exterior Doors and Windows
- ◆ Framing Decks and Porches
- ◆ Installing Exterior Finishes
- ◆ Installing Interior Finishes
- ◆ Identifying Elements of Walls
- ◆ Identifying Elements of Ceilings
- ◆ Estimating and Selecting Materials
- ◆ Building and Installing Foundations and Forms
- ◆ Framing a Floor
- ◆ Identifying Elements of Roofs
- ◆ Focusing on the Carpentry Profession
- ◆ Using Hand and Power Tools
- ◆ Interpreting Blueprints
- ◆ Identifying Basic Rigging Procedures
- ◆ Assembling and Fastening Components

FOR FURTHER INFORMATION contact (757) 892-3300 or schools.nps.k12.va.us/ntc