



Program: Carpentry (CIP 46.0201)

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Office Hours: 1:55pm - 2:30pm (M-F)

School Year: 2023-2024

Program Overview

The Carpentry program prepares students to apply knowledge and technical skills in carpentry fields. The areas of study include construction safety, hand and power tools, estimating, blueprint reading, materials and fasteners, site layout, concrete forms, rough framing, exterior and interior finish, and green technology in construction. Students are encouraged to develop strong math and communication skills.

Industry Certifications

Students in the Carpentry program have the opportunity to earn the following certifications:

- Articulated Ladder (0480)
- Mobile Ladder (0481)
- OSHA Certification (0036)
- S/P2 Construction
- Ramset PAT
- Residential Construction Academy (RCA) National Registry (0129)
- Single and Extension Ladder (0479)
- Step Ladder (0478)
- NOCTI Certification in Carpentry

Work Based Learning

BCTHS strongly encourages students to participate in some form of school-to-career experience(s) and feels students with hands-on experience in the workplace prepare them for a smoother transition into competitive employment. These experiences are an integral part of the school's curriculum and participation will reflect directly on the student's academic standing. Typically, students must receive a "C" or better and have a good attendance and discipline record. School-to-Career Coordinators offer a variety of work-based experiences for students including Cooperative Education, Internships, Job Placements, and School to Career transition programs. Please see the School to Career Office for more information.

Program Task List

Students entering BCTHS for the first time will be oriented to the requirements for completing their years of work as outlined on a program's task list. The instructor will monitor performance of the established task and record when various levels of performance are achieved. All students are able to view their updated task list and monitor their progress towards completion of the entire list.

The following evaluation criteria are used to record achievement of various tasks:

- (1) Instructed/ Cannot Perform - Student has had instruction on a task but requires close supervision to complete the skill/ task. Full retraining and continued practice of the task/skill is required
- (2) Familiarization (Pre-Entry Level)- Student is familiar with the skill/task objective and process but require limited supervision to complete the skill/ task. Some additional training and practice is required.
- (3) Satisfactory (Entry Level)- Student is minimally competent and able to perform skill/task independently, to industry standards, and without supervision.
- (4) Mastery - Student is proficient and has mastered skill/task. Student is considered highly qualified for entry-level employment in this skill/task.

While enrolled in the Carpentry Program at BCTHS, students will be instructed and assessed on the following task units:

- CRP100 - Safety/Occupational Orientation
- CRP200 - Hand Tools
- CRP300 - Power Tools
- CRP400 - Blueprints Reading
- CRP500 - Site Preparation and Layout
- CRP600 - Footings and Foundations
- CRP700 - Framing - Floor Construction
- CRP800 - Framing - Wall Construction
- CRP900 - Framing - Roof Construction
- CRP1000 - Exterior Finish
- CRP1100 - Interior Finish
- CRP1200 - Estimation
- CRP1300 - Materials and Fasteners
- CRP1400 - Employability
- CRP1500 - Green Technology

Equipment, Materials, Uniform, Other Requirements

Carpenter pants or jeans and carpentry lab shirt (approximately \$8 each). Steel toe work boots or safety shoes are required and no sneakers are permitted at any time. Due to safety reasons, no jewelry of any kind will be permitted and long hair must be tied back. Safety glasses will be issued at the beginning of the school year and must be worn at all times. If safety glasses are lost, the student must purchase a new pair (approximately \$5 from the school Nurse). If the student wishes to purchase safety glasses, they must be approved by the school. Hardhats will be worn when appropriate.

Also required:

- Folder and Notebook
- Tin Snips
- Tool Belt One
- Set of Chisels $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ ", 1"
- Hammer – 16 oz. or 20 oz.
- Nail Set
- Speed Square
- 6 in 1 Screwdriver
- Cat's Paw
- Retractable Utility Knife
- Utility Pry Bar (Wonder Bar)
- Five #2 Phillips driver bits
- T-Bevel
- 12 Pencils
- Chalk Line
- Yellow Hard Hat
- 25' Tape Measure

In addition, during the 2023-2024 school year, 10th grade students will be working toward their OSHA 10-hour safety certification. The cost of this certification is \$30 and is also due by August 28th. Students are encouraged to bring their receipt with them on the first day of school. Students must also purchase a lock for their locker while in their technical lab. This lock must be purchased from the school at an approximate cost of \$8.00. (This is in addition to the lock for the hall locker).

Textbooks and Learning Management Systems

Textbooks and assignments will be accessed through google classroom and delivered by the instructor. Student grading will be completed in Skyward and Program Task Tracking will be completed in CTE360. The textbooks used in this program are:

- Cengage Residential Construction Academy - Carpentry with MindTap
- Mathematics for Carpentry and the Construction Trades
- Your Role in the Green Environment

Daily Class Procedures

Students will participate in this program on a 6 day rotation. This rotation will include 6 days of Technical instruction followed by six days of Academic instruction. Students will report directly to the programs and change into appropriate program attire. The program instruction will be split between theory (20%) and experiential learning (80%).

Classroom Rules

- Read and follow all BCTHS rules as outlined in the handbook
- Mutual respect- we all respect each other
- Respect all property, tools, and equipment
- Safety is everyone's responsibility
- Be professional at all times
- All injuries must be reported
- Hall passes are required anytime you leave the program
- Only use equipment you are approved to use
- Discipline procedures as outlined in the handbook are strictly followed

Safety

Safety is not an option! Safety is your responsibility! Students are required to follow all rules and regulations. In addition to following all BCTHS handbook procedures, students must follow all safety standard operating procedures for each program area. Students are not permitted to use any tools or equipment unless they have received and have documented appropriate training.

Grading Policy

Work Ethic (Employability Skills) 30%

Knowledge Base (Tests, Quizzes, Written Assignments) 30%

Skill (Technical Projects, Task List Assessments, Learning Guides) 40%

Attendance Procedure

Students are expected to follow all attendance procedures as outlined in the student handbook. Due to the amount of work it takes to complete program assignments your attendance is essential to get the most out of your learning experience. If you are going to be late or absent please have your parents call the school or bring in a note.

Students who are absent/unexcused will receive a work ethic grade of a "0" for the day. If the absence is excused, the student will receive a work ethic grade of 50% of the maximum points available with an opportunity to make up the assignment and have their work ethic change to the maximum points available. Students who are late/unexcused will receive a work ethic grade of 50% of the maximum points available for the day. If the lateness is excused, the student will receive an opportunity to make up the assignment and have their work ethic change to the maximum points available.