A GUIDE TO PURSUING YOUR CAREER PATH

CARPENTRY >>>

Construction includes the building of new structures as well as additions and modifications to existing ones. The construction industry also includes maintenance, repair and improvements on these structures.

Carpenters are one of the most versatile construction occupations, with workers usually doing a variety of tasks. Carpenters use many different hand and power tools to cut and shape wood, plastic, fiberglass, or drywall. They commonly use hand tools, including squares, levels, and chisels, as well as many power tools, such as sanders, circular saws, and nail guns. Carpenters put materials together with nails, screws, staples, and adhesives, and do a final check of their work to ensure accuracy.

HIGH SCHOOL PATHWAY CLASSES >>>

INDUSTRY FUNDAMENTALS & OCC SAFETY is designed as the foundational course in the Carpentry, Plumbing, Electrical, Masonry, Machining, Welding, Sheet Metal, Heating, Ventilation, Air Conditioning and Refrigeration, and HVACR Electrical pathways to prepare students for pursuit of any career in construction. Students obtain the basic knowledge to function safely on or around a construction site and in the industry in general and will provide the trainee with the option for an Industry Certification in the Construction Core.

INTRODUCTION TO CONSTRUCTION introduces students to four construction craft areas and is also the second step towards gaining a Level One Industry Certification in one of the craft areas. The goal of this course is to introduce students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades. Students will explore how the various crafts have influenced and been influenced by history. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to and develop skills to differentiate between blueprints related to each individual craft area.

CARPENTRY I is the third step in gaining a Level One Industry Certification in Carpentry; the course provides an overview of the building materials used in the carpentry craft, as well as teaching techniques for reading and using blueprints and specifications related to the carpentry craft. The course provides specific knowledge and skills in site layout and floor and wall framing systems, and includes basic industry terminology for a carpentry craftsperson.

CAPSTONE: WBL INTERNSHIP

WBL (WORK-BASED LEARNING) connects skilled, knowledgeable and driven students to local businesses every year. Students who participate in the Architecture & Construction program and have been selected to participate in WBL will leave school early to work with our fantastic business partners. Benefits to students include a chance to put skills learned in the classroom to use in an authentic setting, getting a competitive advantage on their career and networking with industry leading professionals all while still in high school. www.hallcowbl.org

CAREER TECH STUDENT ORGANIZATIONS >>>>

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. We help each student excel.

SkillsUSA's mission is to empower its members to become world-class workers, leaders and responsible American citizens. We improve the quality of our nation's future skilled workforce through the development of SkillsUSA Framework skills that include personal, workplace and technical skills grounded in academics. Our vision is to produce the most highly skilled workforce in the world, providing every member the opportunity for career success.



POTENTIAL CAREERS

- General Contractor
- Carpenter
- Project InspectorSubcontractor
- Subcontractor
- Construction EngineerConstruction Manager
- Construction Manager
 Construction Foreman
- Materials Manager
- Safety Director
- Field Supervisor
- Sales & Marketing
- Superintendent
- Equipment Manager
- Estimator
- Painter
- Roofer



CARPENTRY **CAREER PATHWAY - PLAN OF STUDY**

GRADUATION REQUIREMENTS >>

ENGLISH/LANGUAGE ARTS

4 Units Must Include: 9th Grade Literature & American Literature

SOCIAL STUDIES

3 Units Must Include: World History, US History, Government & Economics

MATHEMATICS

4 Units Must Include: GSE Algebra I, GSE Geometry & GSE Algebra II

one additional GSE/AP/IB/DE Math course

OR

GSE Accelerated Algebra I/Analytic Geometry A, GSE Accelerated Geometry B/Algebra II, GSE Precalculus

one additional GSE/AP/IB/DE Math course

SCIENCE

4 Units Must Include: Physical Science or Physics; Biology; Chemistry, Earth Systems, Environmental Science or AP/IB course

4

one additional Science course

HEALTH & PERSONAL FITNESS

1 Unit Must Include: 1/2 unit of each

CAREER, TECHNICAL & AGRICULTURE EDUCATION (CTAE)

3 Units Must include: Industry Fundamentals & Occ. Safety, Introduction to Construction, Carpentry 1

ELECTIVES

4 Units

*Students planning to attend most post-secondary institutions must take 2 units of the same modern language.

TOTAL UNITS REQUIRED

23 Units

PERSONAL APTITUDES

ACTIVITIES THAT DESCRIBE WHAT I LIKE TO DO:

- Read & follow blueprints and/or instructions.
- · Picture in my mind what a finished product looks like.
- · Work with my hands.
- Perform work that requires precise results.
- · Solve technical problems.
- Visit & learn from historic or interesting buildings.

PERSONAL QUALITIES THAT DESCRIBE ME:

Persistent

- Curious
- Good at following directions
 Patient
- Pay attention to detail

WANT MORE INFORMATION ON YOU?

YouScience is the science of YOU – how your mind is wired, what makes you tick, the skills and knowledge that set you apart. You have talent and there's a path that's right for you -

> Login to Infinite Campus and locate the SLDS Portal link on the left. Once logged in, click on "My Career Plan" then choose "Go to YouScience".

WHAT YOU LEARN IN SCHOOL MATTERS

You're learning skills and knowledge that can make you a qualified candidate for in-demand careers. Industry-recognized certifications, available to all pathway students, are great signals to employers that you have the skills they're looking for. Certifications help validate what you know, so other people know, that you know it.

OUESTIONS?

POST-SECONDARY

Contact your CTAE teacher, WBL Coordinator or School Counselor

PATHWAY TO FUTURE CAREER OPTIONS

HIGH SCHOOL

Pathway Courses

Industry Fundamentals & Occ. Safety Introduction to Construction **Carpentry 1**

WBL Internship Dual Enrollment

Capstone

Technical College

Masters Degree







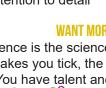
Bachelor Degree





· Good at visualizing possibilities





ooo°we can help you find it.