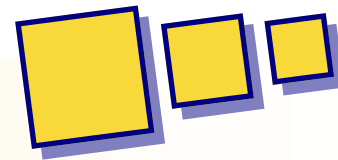


# Construction Technology



## About the Course

The construction technology program is a national accredited training program. This class is designed to provide students with access to educational

programs that will prepare them for future job entry or post secondary education. This course introduces the four components of the construction cluster: carpentry, masonry, electrical wiring, plumbing and emphasizes care and use of hand and power tools, equipment and materials; common principles and systems of frame construction; drafting and blueprint reading; applied mathematics, materials estimating and positive customer relation skills.



## What students will learn...

### Basic Topics

- ◆ Basic Safety
- ◆ Construction Math
- ◆ Introduction to hand tools
- ◆ Introduction to power tools
- ◆ Introduction to blueprints
- ◆ Basic rigging

### Advanced Topics

- ◆ Framing Basics
- ◆ Floor Framing
- ◆ Wall Framing
- ◆ Roof Framing
- ◆ Plumbing Basics
- ◆ Electrical Basics
- ◆ Masonry Basics
- ◆ Foundation and Footings



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Building Your Quality of Life

## Why Should You Take Construction?

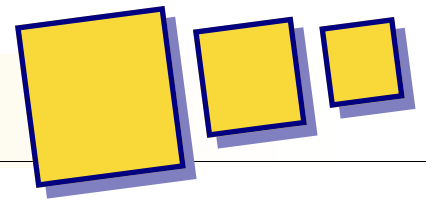
The construction industry employs more people and contributes more to the nations economy than any other industry. Because our society will always need new homes, roads, factories and office buildings, there will always be a source of well paying jobs and career opportunities in the construction field. Construction students learn basic principals, job skills, career orientation, employability skills, and safety. This will allow the students to enter and advance in a construction related career.



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# Construction Technology



## Prerequisites



This course is open to all high school students in the 10th grade or higher. Students must have completed at least one credit in mathematics and one credit in English.

## Helpful Courses



- ◆ Geometry
- ◆ Drafting

## Completion Incentives



The construction program is competency based. This will allow the students who complete this course to enter the construction field at a higher level and demand a higher wage. The students should be able to do some of their own maintenance and repair, and build personal projects.

## Personal Characteristics



Potential students for this class should enjoy working with their hands. The students should enjoy constructing projects and seeing them develop from plans to the finished product.

## Salary Information



The construction industry is growing and there is a great demand for skilled workers.

The pay scale is very competitive:

Construction Apprentice	\$7.00—\$15.00 per hour
Mason	\$23.00 per hour
Carpenter	\$23.00 per hour
Electrician	\$24.00 per hour
Plumber	\$25.00 per hour

## Work Based Opportunities

The purpose of construction technology is to give the student the opportunity to acquire the skills needed to enter the world of work. Students will be given the opportunity to visit potential employers, complete job shadowing, apprenticeship work and equipment demonstrations.

## Career Opportunities

The construction industry is expanding rapidly and there is a growing need for skilled workers. Students who complete this course will have a wide range of entry level jobs to choose from in the masonry, carpentry, plumbing or electrical field.

## Co-Curricular School Activities

- ◆ SkillsUSA-VICA  
A co-curricular school club which provides students with the added benefit of gaining work place skills in the areas of leadership, networking, and skill demonstration through regional, state and national level competitions.

- ◆ Student dues  
\$13.50



Carroll County  
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<http://carrollcountyschools.com>

