

Basic Construction Technology

1st Nine Weeks:

- Basic Safety
- Jobsite Safety
- Personal Protective Equipment
- Introduction to Hand Tools
- Recognize and Identify Basic Hand Tools
- Hand Tool Safety
- Care of Hand Tools
- Wood Project

2nd Nine Weeks:

- Introduction to Power Tools
- Recognize and Identify Basic Power Tools
- Power Tool Safety
- Care of Power Tools
- Introduction to Construction Math
- Math Functions
- Standard Ruler and Metric Ruler Measurements
- Math Applications to the Construction Industry
- Math Project
- Wood Project

3rd Nine Weeks:

- Introduction to Blueprints
- Identify Tools and Symbols
- Recognize Different Classifications of Drawings
- Interpret and Use Drawing Dimensions
- Understanding of Scales and Ratios
- Basic Communication Skills
- Ability to Use and Understand Written and Verbal Communication
- Ability to Use and Understand Verbal and Written Instruction
- Blueprint Project
- Communication Project

4th Nine Weeks:

- Basic Employability and Leadership Skills
- Knowing the Role of Professionals in the Industry
- Demonstrate Critical Thinking and Problem Solving Skills
- Explain Common Uses of Computers in the Industry
- Effective Relationship Skills
- Being Aware of Workplace Etiquette and Issues
- Computer/Technology Project
- Final Project

Construction Technology 1

1st Nine Weeks:

- Concrete
- Introduction to Concrete Construction and Finishing
- Safety Requirements
- Concrete Project

2nd Nine Weeks:

- Orientation to the Trade
- Wood Building Materials, Fasteners, and Adhesives
- Hand and Power Tools
- Floor Systems
- Wood Project

3rd Nine Weeks:

- Wall and Ceiling Framing
- Roof Framing
- Windows and Exterior Doors
- Wood/Framing Project

4th Nine Weeks:

- Masonry
- Introduction to Masonry
- Masonry Tools and Equipment
- Field Trip/Project

Construction Technology 2

1st Nine Weeks:

- Electrical Safety
- Intro to Electrical Blueprints
- Wiring: Commercial and Industrial
- Wiring: Residential
- Electricity Module/Wood Project

2nd Nine Weeks:

- Interior Finish One: Doors
- Interior Two: Window, Door, Floor, and Ceiling Trim
- Interior Finish Three: Cabinet Installation
- Cabinet/Wood Project

3rd Nine Weeks:

- Introduction to Plumbing Trade
- Plumbing Tools
- Intro to Plumbing Math
- Intro to Plumbing Drawings
- Plastic Pipe and Fittings
- Copper Pipe and Fittings
- Plumbing Module Projects

4th Nine Weeks:

- Introduction HVAC
- Trade Mathematics
- Tools of the Trade
- HVAC Module Projects