



Building Trades

BUILDING TRADES introduces most of the skills involved in building and remodeling a house. The fundamentals of carpentry, plumbing, electrical, and masonry will be covered and developed according to the student's individual capabilities through hands-on projects. As is in the working world, students will spend a large part of their class time in the shop and outdoors, working with their hands and gaining physical and academic skills. Students will gain confidence working with power tools enabling them to finish substantial building projects.

Work Environment

Carpenters work outdoors as well as indoors and should not be afraid of heights. Safety rules must be followed at all times. Students will learn the correct use and care of hand and power tools, the importance of accurate measurement and will gain a basic knowledge of reading plans for projects undertaken.

In addition, students will learn proper set-up and removal of ladders, pumps, jacks and a variety of scaffolding.

Career Opportunities

Building Supplies Sales
General Carpenter
Finish Carpenter
Framer
Sheather
Trimmer
Flooring Installer
Siding Installer (all types)
Roofer
Stage-set Carpenter
Cabinetmaker
Sheetrock/Spackler
Painter
Carpenter's Helper/Apprentice
Electrician's Helper/Apprentice
Plumber's Helper/Apprentice
Hardware Assistant
Lumberyard Assistant
Electrical Supply Assistant
Plumbing Supply Assistant

Employment Outlook

At present the industry is being revitalized with new home construction on the increase in the New York/ Long Island area. There are jobs available with contractors who are building additions to existing houses, adding garages and carports and other types of wood frame and steel stud construction. There are also jobs available in the area for renovations of homes, small businesses, shops and office buildings.

Course Outline

- Shop and Field Safety Procedure
- Basic Hand Tools & Power Tools: care, maintenance and use
- Interpretation of Drawings
- Measurement
- Skills in Accurate Workmanship
- House Framing
- Roofing, Siding,
- Cabinetmaking
- Basic Electric
- Basic Plumbing
- Interior Finishing

Consider these Courses at Tech

- Architectural Design/ CAD
- Building and Grounds /Maintenance*
- Carpentry
- Construction Electricity
- HVAC
- Marine & Motor Sports Technology
- Welding

All placements are based upon individual needs and approval from the district and parent/guardian.

*Smaller class size.