

# Building Trades

Lance Johnson, Instructor  
johnsonl@hartfordschools.net

In Building Trades students participate in the construction of a new home over a two-year period. Students are exposed to all phases of construction of a new home, and learn everything from beginning tool safety, skill techniques, and blueprint reading through residential plumbing and electrical. Safety is our 100% goal at all times. Students are also exposed to real world experiences on field trips, job shadowing and Cooperative Education learning experiences. Upon program completion, students are qualified to walk into most entry-level positions within the Building Trades arena, pursue apprenticeships, or further their education.

## Concurrent Enrollment for College Credit:

Construction Management I, 2 credits, Vermont Technical College (pending)

Construction Management II, 3 credits, Vermont Technical College (pending)

**Embedded High School Credit:** Math

**Career Technical Student Organization:** Future Business Leaders of America (FBLA)

## Industry Certifications:

Vermont Association of General Contractors; CPR/AED and First Aid; Careersafe OSHA-10; National Center for Construction Education and Research General Safety Certification; and Conover® Workplace Readiness.

## Articulation Agreements:

Vermont Technical College; Keene State College; Lincoln Technical Institute.

## Units of Study:

- Blueprint reading
- Hand and power tool safety
- NCCER modules
- Concrete layout and installation
- Energy Star construction
- House framing layout and installation
- Stair layout and construction
- Roofing
- Siding; undergarment choices
- Door and window installation
- Deck construction
- Insulation
- Sheetrock
- Interior Finish Work
- Painting
- Flooring
- Rough and finish electrical, hands-on with a licensed contractor
- Rough and finish plumbing, hands-on with a licensed contractor
- Heat work, hands-on with a licensed contractor
- Kitchen and bath cabinet and counter installation

