

2020-2021 Apprenticeship Program

Plumbing Level 1 Course Outline

This is the first introductory year to the Plumbing Apprenticeship Program. This level is an introduction to the Plumbing trade in Vermont. Students learn the theory and industry standards for the processes and materials that they will be working with as they progress into the Plumbing career. Students review/learn the basic math skills that they will need for this trade. They study the basics of DWV systems and the cycle of providing potable water. Students learn about working safely and the OSHA standards that apply in the workplace.

This year will specifically cover the following topics:

- **Drain, Waste & Vent (DWV) Systems** (Introduction)
- **Fixtures** (Introduction to Plumbing Fixtures)
- **Introduction to the Plumbing Profession**
- **Math** (Introduction to Plumbing Math)
- **Pipe & Fittings**
 - Carbon Steel Pipe & Fittings
 - Cast-Iron Pipe & Fittings
 - Copper Pipe & Fittings
 - Plastic Pipe & Fittings
- **Professional Development**
 - Awareness Training
 - First Impression - Getting a Job
 - Professionalism - Keeping Your Job
 - Building a Strong Relationship With Your Supervisor
 - Teamwork: Getting Along with Your Co-Workers
 - Communication Skills I: Listening & Speaking
 - Resolving Conflict
 - Giving & Receiving Criticism
 - Substance Abuse
- **Plumbing Drawings** (Introduction)
- **Tools** (Tools of the Plumbing Trade)
- **Safety** (Construction/Plumbing Safety)
- **Water Distribution Systems** (Introduction)
- **Water Heaters** (PS 1 - Water Heater Specialist)