Hand and Power Tool Operations

Course Outline [ 80% Hands-On training ]
This course is designed to help technicians get a refresher of how to safely and effectively use the right tool for the job. It will also introduce new tools and methods to fix problems.

Lesson 1: Tool Safety
1.1: Explain the Concept of PPE
1.2: Identify different types of PPE
1.3: Identify the right tool for the job
1.4: Explain OSHA regulations

Lesson 2: Hand Tool Skills
2.1: Demonstrate cutting techniques
2.2: Demonstrate measuring techniques
2.3: Demonstrate threading pipe
2.4: Identify the Torque wrench and how to use it correctly
2.5: Demonstrate using a Pop rivet gun

Lesson 3: Power Tool Skills
3.1: Demonstrate Drilling techniques
3.2: Demonstrate Tapping
3.3: Demonstrate Countersink techniques
3.4: Identify the components and how to use a milling machine

Lesson 4: Precise Measuring
4.1: Explain motor alignment process
4.2: Demonstrate how to use a dial indicator
4.3: Demonstrate how to use calipers