

Vocational Welding II Curriculum Design

Power Standards

Students will be able to:

1. Utilize hand tools in their proper application in a safe manner.
2. Set up and troubleshoot welding parameters.
3. Complete welds in the major processes: SMAW, GMAW, GTAW.
4. Operate efficiently in a full functioning manufacturing environment

Power Benchmarks

Students will be able to:

1. Complete the Confined Space Welding Permit requirements.
2. Complete the Hot Work Permit requirements.
3. Proper shielding gas selection is a vital component in the training of a welder.
4. Metallurgy greatly affects the decisions made regarding the parameters required to complete a weld.
5. Non-destructive testing techniques are a vital component of a successful weld.
6. Complete 10 hour OSHA certification course.
7. Safety coordination of a jobsite is the single most important component affecting the bottom line of a project.
8. Produce a complete weld shop safety orientation video.
9. Underwater welding is a career path students may like to explore.
10. Successful completion of a Welding Procedure Sheet referencing a recognized welding code.