



Forest Grove High School

MANUFACTURING

For students interested in:

- Designing products
- Building with tools
- Creating products
- Applying learning in a real-world environment
- Using tools and equipment

Sequence of Courses

Introductory

- Metals 1: Intro to Metals (9-12 grade, 0.5 credits)
- Metals 3: Machining (10-12 grade, 0.5 credits)

Intermediate

- Metals 2: Advanced Welding (10-12 grade, 0.5 credits)

Advanced

- Metals 4: Fabrication (10-12 grade, 0.5 credits)
- Metals 5: Apprentice (11-12 grade, 0.5 credits)
- Metals 6: Advanced Welding Projects (11-12 grade, 0.5 credits)

Dual Credit Offerings

- PCC - WLD 111 – Shielded Metal Arc Welding and Oxy-Acetylene Cutting (4 credit hours)
- PCC – WLD 116A – Beginning Shielded Metal Arc Welding (3 credit hours)
- PCC – WLD 116B – Basic Welding Practice (3 credit hours)
- PCC – WLD 136A – Beginning Wire Welding (3 credit hours)
- PCC – WLD 136B – Basic Wire Welding (3 credit hours)

Students will learn:

- Apply quality control techniques to achieve desired specifications
- Welding skills
- Work place skills
- Demonstrate professional behavior
- Operate machinery safely

Career Options

Sheet Metal Workers	\$78,354
Structural Iron and Steelworkers	\$79,373
Industrial Engineers	\$103,334
Industrial Machinery Mechanics	\$62,856
Welders, Cutters, Solderers, and Brazers	\$51,355
Machinists	\$51,667
Computer Numerically Controlled Tool Programmers	\$65,083

2022 median annual salary for tri-county area high wage and high demand -Oregon Employment Division

Current Industry Partners

- Harris Thermal
- PCC Welding
- Vigor
- Gunderson