



# St. Helens High School

# MANUFACTURING

## For students interested in:

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

## Sequence of Courses

### Introductory

- Rapid Manufacturing 1 (9-12th grade, 1.0 credit)
- Metals/Manufacturing 1 (9-12th grade, 1.0 credit)

### Intermediate

- Rapid Manufacturing 2 (9-12th grade, 1.0 credit)
- Blue Print Reading (10-12th grade, 0.5 credit)

### Advanced

- Metals/Manufacturing 2 (10-12th grade, 1.0 credit)
- Metals/Manufacturing 3 (11-12th grade, 1.0 credit)
- Metals/Manufacturing 4 (12th grade, 1.0 credit)

## Dual Credit Offerings

- PCC – WLD 102 – Blueprint Reading (4 credit hours)
- PCC – WLD 111 – Shielded Metal Arc Welding (E7024) and Oxy-acetylene Cutting (4 credit hours)

## Career Technical Student Organizations



## Students will learn:

- To use computers and machines to model and create products
- To apply quality control techniques to achieve desired specifications
- To plan manufacturing operations to meet deadlines
- To operate machine shop equipment such as a laser cutter, 3D printer, CNC mill, lathe, or CNC plasma cutter
- To practice safe, legal, and ethical work

## 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

- Pacific Stainless
- Paulson's Printing
- Parkline Design
- Kinnear Specialist, Inc.
- Cascades Tissue Groups
- Boise Paper

