

# St. Helens High School

# MANUFACTURING



## For students interested in:

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

## Sequence of Courses

<b>Introductory</b> <ul style="list-style-type: none"> <li>• Rapid Manufacturing 1 (9-12th grade, 1.0 credit)</li> <li>• Metals/Manufacturing 1 (9-12th grade, 1.0 credit)</li> </ul>
<b>Intermediate</b> <ul style="list-style-type: none"> <li>• Rapid Manufacturing 2 (9-12th grade, 1.0 credit)</li> <li>• Blue Print Reading (10-12th grade, 0.5 credit)</li> </ul>
<b>Advanced</b> <ul style="list-style-type: none"> <li>• Metals/Manufacturing 2 (10-12th grade, 1.0 credit)</li> <li>• Metals/Manufacturing 3 (11-12th grade, 1.0 credit)</li> <li>• Metals/Manufacturing 4 (12th grade, 1.0 credit)</li> </ul>

## 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



*Click QR Code to connect to Industry Sheet*

### 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

Welders, Cutters, Solderers, and Brazers	\$61,577
Machinists	\$61,914
Industrial Machinery Mechanics	\$74,915
Sheet Metal Workers	\$78,268
Computer Numerically Controlled Tool Programmers	\$78,662
Structural Iron and Steelworkers	\$86,730
Industrial Engineers	\$112,325

2024 median annual salary for tri-county area high wage and high demand -Oregon Employment Division

## Current Industry Partners

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

