

# Ottawa Technical Secondary School

## Manufacturing and Welding



A welder is a person who has training in and is capable of welding metals, on both plate and pipe, using manual or semi-automatic welding equipment. OTSS is proud to have the support and expertise of [CWB](#) (Canadian Welding Bureau) through our school/industry partnership. OTSS students use flame-cutting, brazing, and air-arcing equipment.

Additionally, they use machines such as brakes, shears, and other metal straightening and bending machines to manufacture authentic products. Learners

interpret work from drawings or by analyzing the manufacturing job to determine the materials required. Students may use CnC machines, 3D Printers, Laser Cutters, and Computers during the prototyping phase. [OTSS Manufacturing Promotion Video](#)

### Areas of Focus:

- Skill and knowledge building using a wide variety of hand and computer-aided tools
- Developing critical decision making and project management skills
- Creating real-world finished projects using appropriate tools and techniques, using safe working practices
- Checking product specifications using precision measuring instruments and assist in maintaining equipment when appropriate



