

Machinery Operation, Repair & Maintenance

Skills Testing Guidelines

Welding

- **Arc:**
 - The welders that will be used are Lincoln AC/DC analog.
 - The rod is 1/8th 6011
 - Metal thickness will be 3/8"
 - Metal material will either be flat plate and/or pipe
 - Welding positions – expect to weld in a Flat, Horizontal, or Vertical (up or down)

- **Cutting:**
 - Oxy/Fuel cutting system using a cutting torch
 - Students will need to Set up Station (Bottles, regulators)
 - Set appropriate flame
 - Cut material – 3/8"
 - Shut down system (bottles, regulators, bleed lines)

- **Heating and Bending:**
 - Oxy/Fuel system using a heating tip/rosebud
 - Students will need to Set up Station (Bottles, regulators)
 - Set appropriate flame
 - Heat/Bend Material – Possible ½ cold roll
 - Shut down system (bottles, regulators, bleed lines)

- **Lock Out - Tag Out:**
 - Students will be asked to properly demonstrate Lock Out - Tag Out procedures and a basic understanding of the principles of Lock Out - Tag Out safety.