

Metal Shop Sanders

•Review dress code

- Safety Glasses must be worn at ALL times in the Shop.
- Remind students that long hair must be tied back, loose clothing and/or jewelry must be removed
- Remind students that the EDGES of sheet metal may be VERY sharp.

-No Gloves Allowed!

•2" Belt Sander

- Show on/off switch
- Keep material **FLAT** to the table
- Explain the table can be tilted to sand bevels or angles
- Never sand the face of the material or small parts**
- Demonstrate sanding
- Field questions then have students sand material

•Disc Sander

- Show the drum (on/off) switch, explain that the disc will rotate in the direction the lever is pushed and the middle is the off position
- ONLY sand on the **DOWNWARD** moving side of the disc
- Never sand the face of the material or small parts**
- Work-piece should ALWAYS be **FLAT** on table
- Explain the table can be tilted to sand bevels or angles
- Demonstrate sanding, remind students to only sand on the downward side of the disc
- Field questions then have students sand material

•6" Belt Sander

- Show on/off switch
- Keep material **FLAT** to the table
- Explain the table can be tilted to sand bevels or angles
- Never sand the face of the material or small parts**
- Demonstrate sanding
- Field questions then have students sand material

•Pedestal Grinder/Wire Wheel

- Show on/off switch
- Grinding wheel is only for **ferrous material**, no aluminum, brass, or copper, these materials will load up the wheel and can cause it to fracture
- Keep material **FLAT** to the tool rest
- Never grind the face of the material or small parts**
- Explain the wire wheel is used for cleaning and deburring of material (Example: removing surface rust)
- Explain the wheel spins in the downward direction so only use the lower half of the wheel
- Only one person is allowed to use the machine at a time
- Demonstrate using the grinding wheel and wire wheel
- Field questions then have students use the grinding and wire wheel

•Remind students to clean up after themselves.

- Show them where the metal recycling, brooms, etc. are located and what our expectations for clean-up are.

REMEMBER- We are here to help. If you have any questions, ask!