CAED Support Shop

**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!**