­CAED Support Shop

**Sheet Metal Shears (foot and hydraulic)**

**•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.

**•Intro/Strengths**

-Good for making straight, accurate cuts across entire piece.

-Can make accurate repeatable cuts with use of back-stop

**-16 gauge max material thickness** (review gauge-smaller gauge number is thicker material)

-Use thickness gauge, or calipers w/ conversion chart to measure thickness

**•Operation**

-One sheet at a time.

- NO wire, cable, or rod

-Demonstrate setting backstop

-Demonstrate using ruler at front of table

-Demonstrate lining up mark(s) on material with edge of table.

-This can be seen from top between blade and material clamp/guard

-Review body position. Ensure hands/fingers are away from blade

**Hydraulic Shear**

-Controls on left side of machine

-Place foot on pedal

-Push both handles down to cut. Allow blade to travel completely down.

-Release when cut is completed

-Pull up both levers to raise blade after cut

**Manual Shear**

**-**Use foot lever to make cut

**-**Don’t jump on the lever

**•Remind students to clean up after themselves.**

-Remove all material and scraps from catch tray and floor

-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!**