

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!