CAED Support Shop

**Ironworker**

**•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**

-Universal tool good for bending and cutting thicker components

-We have two different attachments:

-Press Brake:

-Used to bend (brake) up to ¼” thick material, will bend slightly past 90 degrees

-Disadvantage: Cannot make bends too close together or the material will get stuck in the machine

-Shear:

-Used to cut (shear) flat stock, angle iron, and rods

-Cuts much quicker that the cold saw but can distort the material, will not leave burrs like an abrasive chop saw

-Ask a red shirt to change between the attachments

**•Operation**

-Show potential pinch points and emphasize hands should never be near moving components during operation

-There is a silver on/off switch on the back right side.

-Push the lever with a black knob down to lower the head lift it up to raise

**Field Questions and show an example bend**

**Students do not need to bend material this will conserve demo material.**

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

-Remove all material and scraps from tool, surrounding area, 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!**