

## **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 than 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!**