CAED Support Shop

**Metal Chop Saw**

**•Review dress code**

-Remind students that long hair must be tied back, loose clothing and/or jewelry must be removed

-Tool creates sparks and metal debris. Eye protection must be worn at all times.

Long sleeve shirt and long pants are encouraged

**•Intro**

-Discuss what this saw does/Strengths

-Semi-Accurate cuts of ferrous metals (steel)

-Angled or MITERED cuts

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**•Show controls and Adjustments**

-Show how to “unlock” tool

-ON/Off switch

-Demonstrate how to change angle and show gauge/pointer

-Demonstrate how to clamp material in tool

-Demonstrate checking blade condition before use with tool unplugged

-Discuss and show maximum material dimensions

**•Discuss and Demonstrate Importance of:**

-Body Position

-Hand/Arm position

-Remind students to NEVER cross arms

-Material should be clamped securely in vice when cutting

-No freehand or hand-held cuts allowed

-Steel is a hard and tough material. Take your time and allow the tool to cut through with constant light to medium downward pressure

-Remind students that the cut pieces will be very hot and there will be a large sharp burr at edge

**•Briefly Discuss Hazards and Don’t’s (No Horror Stories)**

-User condition ie; lack of sleep, in a hurry etc.

-Never cut very small pieces

-No freehand cuts or offering hand held pieces to spinning blade

**•Making Cuts**

-Demonstrate and discuss layout and marking

-Make a straight/square cut

-Feed saw to bottom of stroke and release trigger waiting for blade to stop

-Emphasize feed rate and “listening” to the tool

-Angle tool and demonstrate a miter cut

-Discuss and Demonstrate angling saw AWAY from hand holding material whenever possible

-Discuss and Demonstrate stop block and positive physical stops

•Field Questions then Students Cut

-Have each student make bot straight cross cut and miter cut

-Make sure blade comes to a complete stop

-Have students return to 90 degree position after cut

**•Remind students to clean-up after themselves immediately after using a tool or area.**

Show them where the brooms, vacuum, etc. are located and what our expectations for clean-up are.

**REMEMBER-We are here to help. If you have any questions, ask!**