CAED Support Shops

**Band Saw**

**•Review dress code**

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

**•Intro**

-Open top door and show “band” wrapped around wheels

-Show continuous downward nature of cut

-Discuss different types of cuts that can be made:

-straight, curved, angle, resaw, etc.

-Unlike tablesaw, freehand cuts are ok

-Discuss range of materials that can be cut:

-wood, foam, plastics, aluminum

-point out the dedicated steel cutting bandsaw in the metal-shop

-Show how to adjust blade guide/guard so that it is ¼” above material thickness

-Show correct hand and body position

-remind students the keep hands and fingers away from centerline of blade

-Safe practice is to keep fingers clear of table insert at all times

**•Making a Cut**

-Make one cut all the way through material

-Explain what may happen if material is not flat on table

-Show a curved cut and discus relationship between blade width vs. radius of circle/curve

-Discuss backing out of a cut

-Curved vs. straight cuts

-Demonstrate relief cuts

-For small work pieces, attach to a larger piece or hold in WOOD clamp

-Show and explain the use of a push-stick when necessary

**•Features and Guides**

-Demonstrate use of rip fence and miter guide

-Describe how to tilt the table

-Show and describe circle jig

-Show operation of foot brake on large Powermatic saw and explain that the saw MUST be completely stopped before user walks away from tool

**•Demonstrate practice board**

-Freehand cuts

-“Follow the Curve” cut

-Relief Cuts

-“Nibbling” notch cut

**•Field Questions then Students cut**

-Students cut

-Make sure the blade has come to a complete stop and have students adjust blade guard/guide

**•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!**