CAED Support Shops

**Table Saw**

**•Review dress code**

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

•**Why the table saw?**

-Discuss what it does/its strengths:

-Accurate STRAIGHT cuts

-Dados

-Angles/miters

•**Show new saw brake and triggered blade/brake**

-Remind students of materials that cannot be cut

**•Show blade adjustment cranks:**

-Angle and Height (show center locking knob)

* blade is ¼” above material thickness

-Remind that adjustments should only be done when saw is off

**•Show controls at front of saw**

-Main power switch

-Paddle on/off switch

-Show how to turn on and how to turn off with leg if necessary

-Remind students the saw needs to come to a full stop before it can be turned on again

•**Discuss and Demonstrate importance of:**

-Freehand cuts are NEVER allowed

-A guide (rip fence, miter guide, crosscut sled etc.) must ALWAYS be used

-ONLY one guide at a time NEVER two guides at once

-Body Position

-Hand Position

-Blade Height

-Making sure no one is directly behind saw

**•Briefly discuss Hazards** (No Horror Stories)

-User condition can be hazard ie; lack of sleep, in a hurry,

-Kickback

-Over reaching/improper body position

**Making Cuts**

**Rip Cuts**

**•Rip cut definition**

**-**Along the “grain” or long side

•**Show fence adjustment and how to read dimensions**

-Remind students to lock fence

**•Six plus inch rip**

-Make a mock “cut” with blade below table

-Review body position and rules

-Material flat on table

-Material against fence

-“Cut” smooth and steady all the way past blade

-Make cut using hands to push/guide

-Raise blade and make actual cut

-Turn saw off and allow to come to complete stop

-Students make the cut (after student makes cut, have them turn off saw, undo fence adjustment and lower blade for next student

**•Less than Six inch cuts require push stick**

-Show both push sticks

-Emphasize push sticks are sacrificial

-Talk about when to use push stick

-Review body position and rules

-Demonstrate cuts decreasing to ¼”width

**•Bevel Cut**

-Set up bevel-make sure students look at knobs while setting up

-Blade tilts away from fence

-Discuss tendency for piece to be pulled from fence

-Review body position and rules

-Demonstrate cut

-Students make cut

**•Cross Cut**

-Discuss/Define crosscut

-Use ***only one guide at time***

-Demonstrate Miter Guide

-Show placement of crosscut sled on table

-Demonstrate clamping stop block on sled

-Show how to hold material and push sled being carefull of blade exiting rear of sled

-Move cut pieces away from blade before retracting sled

-Review body position and rules

-Demonstrate cut

-Reminder not to install or remove sled while blade is spinning

-Students make cut with sled

**•Dado**

-Ask what looks different about blade

-Show sample(s)

-Explain that dado NEVER cuts all the way through material

-Watch hand placement and be aware of exiting blade path

-Review body position

-Remind students they may not see moving blade

-Demonstrate Dado cut

-Set up sacrificial fence

-Demonstrate rabbit cut

-Students make cut(s)

**•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!**