CAED Support Shop

**JOINTER**

**•Review dress code**

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

**•Why the Jointer?**

-Is there another tool that will do the same job SAFER?

-Discuss tool strengths

-Ability to make material straight and square

-Great for preparing edges to be JOINED

-Good for removing warp or bend from piece

**•Describe How machine works**

-Describe the cutter head location and direction of rotation

-Describe/show grain direction

-Emphasize by drawing on edge of material

-Explain/Show how this relates to feed direction

-Material is fed right to left.

-Show how flipping material end for end maintains correct feed/grain direction

**•Discuss and Demonstrate importance of:**

-Body Position

-Smooth consistent motion

-Hand Position

-Use of push sticks and pads

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

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

-Over reaching/improper body position

-Hands coming into contact with cutter head

**•Discuss Material Requirements**

-“Clean” material only- No: paint, concrete, dirt, nails, staples, screws etc.

-12” minimum length; 1/2” minimum thickness

-NEVER cut end grain or material shorter than 12”…EVER!!!

-Machine is designed for wood. Any other materials need to be cleared with shop staff

**Making Cuts**

**•Show/Demonstrate Controls**

-On/Off switch

-Table height adjustment

-Fence width and angle adjustment

-Demonstrate how to check fence with square

**Edge Cuts**

**-Material must be a MINIMUM of 4”**

-Show closed “fist and small thumbs-up” hand position

-Review body position and feed motion

-Remind students to keep downward pressure

-Remind students to keep pressure on outfeed table

-Material flat on table and against fence

-Cut smooth and steady

-Make cut using hands to push/guide

-Students make cuts

**-Less than 4” edge and Flat Cuts**

-Material must be MINIMUM of ½” thick for flat cut

-Show/demonstrate push sticks/pads

-Push tools should be used when cutting the wider/flat side.

-Remind students they **MUST** use pads when making any flat cut

-Demonstrate cut

-Students Cut

**•Remind students to clean-up after themselves 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!**