CAED Support Shops

**Mortising Tool**

•**Review dress code**

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

**•Intro**

-Describe what the tool does. Ie makes a series of square holes

-Show power switch

-Show x, y movements and lowereing lever

-Demonstrate how to properly clamp workpiece, making sure clamp pressure is centered on workpiece

-Describe why we keep the material clamped tight as the cutter is tight and can move material when withdrawn

-Ask for help if the cutter/bit needs to be changed

**•Drilling a Hole**

-Explain mortising bit (Square auger but still drills circle inside)

-Demonstrate setting depth stop

-Demonstrate clamping a piece to the table

-Explain that harder materials and/or large holes may also need to be clamped down to table

**•Demonstrate Practice Piece**

-Describe and show the order of cuts to make a mortise, ie start at ends, move to center then remove remaining material.

-Make a blind mortise with multiple cuts

**•Field Questions before Students cut**

-If you are not sure about drill selection, speed, or how to safely hold/clamp project please ask.

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