CAED Support Shops

**Surface/Drum Sander**

**•Review dress code**

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

**•Intro**

-Discuss what the tool does/strengths

-Removes material from top

-Flattens/surfaces material

-Dimensions material precisely

-Discuss Similarities and Differences to Planer

-Uses abrasive (sand paper) instead of knives

-Can be used cross grain

-Removes MUCH less material per pass

-Describe the sanding head(s) location and direction of rotation

**•Show Controls**

**Large Powermatic Machine**

-On/Off Switch

-Belt height adjustment wheel

-Dimension scale/pointer

-Forward/revers switch

-Belt engagement/speed lever

**Smaller Performax Machine**

-On/Off Switch

-Belt speed adjustment

-Dimension scale/pointer

**•Discuss Material Requirements**

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

-12” minimum length

-1/2” minimum thickness

-Machine is designed for wood ONLY

**•Demonstrate Setup and Operation**

-Carefully measure thickness/dimension of material

-Set machine to SAME thickness

-Remove 1/4 turn of hand-wheel **MAX** until drum kisses material

-Remove 1/8 turn of hand-wheel **MAX** for subsequent passes

-Remind students to listen to the tool

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

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

-Kickback associated with lowering table during operation

-Remind students if there is a problem turn off tool and wait for machine to stop completely before lowering table/belt

**•Field Questions before Student use**

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