Table Saw Safety Outline

To Begin

- ❏ Ensure the tool is powered off and in a locked down state before beginning the safety check
- ❏ Let the participant know that they will need to:
  - ❏ Review required PPE, tool set-up, tool features, materials, and issues to report
  - ❏ Demonstrate safely and properly using the table saw to perform specific types of cuts
  - ❏ Clean-up and reset the table saw

Review

PPE

- ❏ REQUIRED: Safety glasses and hearing protection
- ❏ Tie back long hair and tuck in any loose clothing
- ❏ Gloves and bracelets are not allowed

Set-Up

- ❏ Table saw outlet and extension cord - 220V
- ❏ Push sticks - Always use if you have less than 3” of clearance for your hand
- ❏ Dust collector
- ❏ Feather board
- ❏ Blade guard vs riving knife - how to change (Need parts for blade guard)
- ❏ Cross-cut sled (future improvement)

Tool Features

- ❏ Power Switches: machine power switch, blade activation switch, and blade power switch
- ❏ Blade height handle and locking knob
- ❏ Blade tilt handle and locking knob
- ❏ Fence and fence lock
- ❏ Blade guard vs riving knife - when to use one vs the other or neither

Materials

ALLOWED

- ❏ Wood that is free of:
  - ❏ Screws, nails, or staples
  - ❏ Mold or mildew
  - ❏ Moisture

- ❑ Sand or grit
- ❑ Acrylic

PROHIBITED

- ❑ Pressure treated lumber
- ❑ Metal
- ❑ Foam
- ❑ PVC Pipe
- ❑ Rubber

Notify Staff or Volunteer If

- ❑ The blade is dull or the tool needs maintenance
- ❑ Something is malfunctioning or not working correctly with the tool
- ❑ Something breaks on the tool while you're using it → **YOU WILL NOT BE IN TROUBLE**

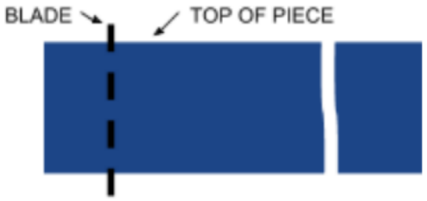
Clean-Up

- ❑ Replace the blade guard if it was removed to use the riving knife
- ❑ Lower the blade
- ❑ Turn off all of the power switches
- ❑ Put away the dust collector
- ❑ Sweep and/or vacuum off the machine and surrounding floor
- ❑ Unplug the table saw at end of the day
- ❑ Place scrap in the appropriate scrap bin

Demonstrate

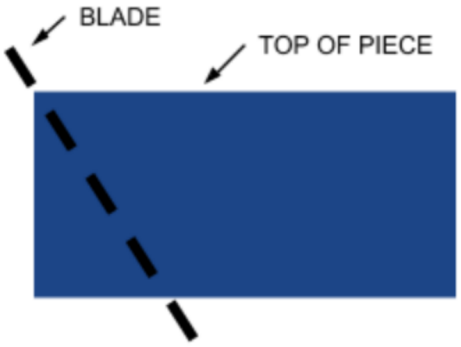
Give the participant a 12" - 18" long piece of about 12" wide plywood or similar for demonstrating the following cuts:

Rip Cut - With Guard



- Sets blade height ⅛" to ¼" above material
- Uses the guard for cuts wider than 3"

Bevel Cut

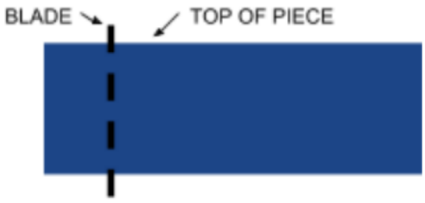


- Chooses to orient piece so that there is more wood between the fence and blade than being cut off
- Leaves the blade guard in place unless impractical

Cross Cut

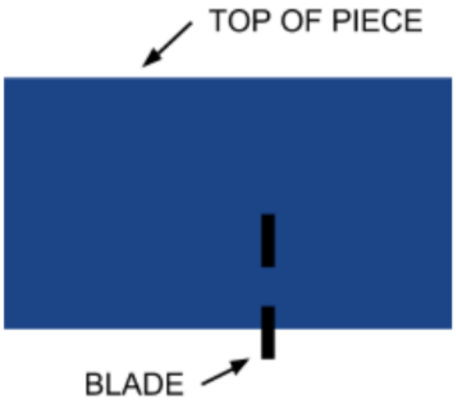
- Demonstrates proper use of the miter gauge and does not use the fence
- Discuss when the miter saw is more appropriate for cross cuts

Rip Cut - With Riving Knife



- Removes the blade guard and installs the riving knife
- For rip widths of 3” or less
- Uses push sticks

Partial Depth Cut



- Removes the blade guard and installs the riving knife
- Demonstrates awareness of blade exiting the wood at end of cut