Teaching Notes - Table saw (INTRO)

\*Note: Try to use all new blades of similar diameter to avoid issues with riving knife adjustment.

* Classroom:
  + Review TSaw Parts video <https://youtu.be/TbVKPXAWxjM> (Also on BB)
  + Mark Adams video series: <https://www.finewoodworking.com/2013/03/26/episode-1-tablesaw-safety>
  + Optional: View the video on how a SawStop works: https://youtu.be/yMmInsxTcww
  + View TSaw “Adjustments” playlist of videos on BB (click “play all”)
* Lab Activity:
  + Select 4 teams (count off 1, 2, 3, 4), Each team put a different blade on a saw blade (Rip, ATB, T/C; & Combination blade - **refer to info sheet 2**)
    - Team / Saw#
      * #1 Triple Chip
      * #2 Rip
      * #3 Combination
      * #4 Crosscut
  + **At machine:** Review Excaliber guard adjustment
  + Discuss LOTO & Cartridge issues @ machine;
    - Demo blade install,
    - Riving Knife removal/install;
    - throat plate install & leveling screws
    - Show QR codes for videos (on shaper cabinet?)
  + S’s install blades, discuss blade hook angle
* Watch “Ripping” (3:42) Crosscutting (3:42) and “Rabbetting” (2:30)
* **At machine:** Discuss: Push Sticks
* Throat Plates (incl. Zero-clearance) & Adjustments
* Adjusting Backer boards at Miter gauges; Calibrating miter gauges
* Calibrating fence & digital stop;
* 4:12 rule (*hand distance : minimum part length*)
* Review never “Cut past a square” rule
* Discuss Machine Codes
* Demo ripping
* Discuss miter gauges, cross-cut sleds
  + When can you use 2 fences together?
* Task: (See last page – print 1 copy/group)
* S’s complete task in groups
* Review samples and compare qualities of cut
* Show eye/tooth extraction animation video: <https://youtu.be/Xu9tdfsuwC4>

Final Comments:

* A humorous look at safety (1:06): <http://youtu.be/_ZuWcqBEzpo>
* Show exercise & drawing of in flat file
* Make test cuts!
* Kickbacks – video (4:57): <https://youtu.be/u7sRrC2Jpp4>
* Narrow Stock ripping - Summarize with Video: https://youtu.be/-oajYsw1dOQ
  + Use of zero clearance throat plate
  + Use of a stop block (Left of Blade)
  + Use of sacrificial push stick
* Housekeeping
  + Blow off when done
  + Don’t leave stock laying around on machine
  + Review table saw safety rules & checklist
* Review exercise criteria

Instructions for students:

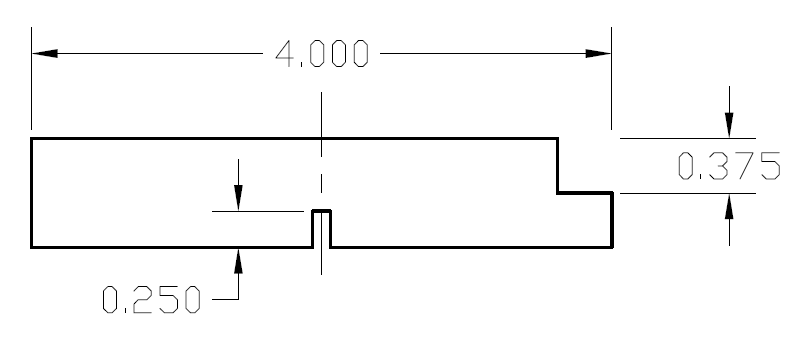
-Rip a piece to 4”

- Square 1 end, Crosscut to 16”

- Put a 3/8”x3/8” rabbet on it

-Cut a groove ¼” deep down the center of your stock, the width of the blade

-Crosscut a ½” sample from the end of your stock and write your group # on it



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