

Woodworking 1A: Machinery & Methods

Learning Plan

Module 2.4: Band Saw

Overview

The Band saw is the most efficient wood cutting machine available to the woodworker, by virtue of its long blade and many teeth. Large machines, with blades 6-12" wide, are used to saw logs and re-saw thick timbers into boards. The smaller versions, such as those found in cabinet and furniture shops, are used mainly for contour sawing with narrow blades, but also find use in re-sawing and ripping. This unit will provide an overview of the use and capabilities of a Band saw.

Task	Estimated Time	Actual Time
Reading/Study	1 hour	
Observation & Practice	2 hours	
Exercise	1 hour	

Learning Activities

✓ Task

- Read *Modern Cabinetmaking (6th edition)* pp. 401-09
- Review Information sheet 1: "Band Saw Safety Rules"
- Read Information sheet 2: "Operations Performed on a Band saw"
- Read *Modern Cabinetmaking* p. 414 about band saw blade types
- Watch the video, "The Physics of Band Saw Blades" (6:45) <https://youtu.be/fK9m5PadmiI>
- Observe a demonstration by the instructor on the adjustments and operation of a Band saw and/or review the *Band Saw* presentation on Blackboard

[Video Demo - Part A_17:47](#)

[Video Demo Part B - 12:41](#)

- Watch the video *Setting up and Cutting on a Band Saw* (4:20) <Link on Blackboard>
- Complete Skill Activity 1, "Parts and Adjustments for a Band saw"
- Watch the video: [Resawing with a Band Saw](#) (1:57)
- Complete the "Practical Demonstration Checklist" with your instructor or an approved proxy
- Complete Skill Activity 2, "Ripping & Re-sawing on a Band saw"
- Exercise 2.4, "Band Saw Cutting"

Assessment Activities

- Self-evaluate and submit with learning plan.