

Woodworking 1A: Machinery & Methods

Learning Plan

Unit 1.1: Measurement

Overview

In many trades, especially the woodworking trades, much of the skill of the "skilled worker" is the ability to use measuring and layout tools with precision and accuracy. Woodworkers spend a large part of their time making measurements and calculations. This will often involve both U.S. Customary and metric systems of measurement. This module you will test your ability to read a ruler and add measurements.

Task	Estimated Time	Actual Time
Reading/Study	1.5 hours	
Observation & Practice	2.5 hours	
Exercise	1 hour	

Learning Activities

✓ Task

- Read *Modern Cabinetmaking (6th edition)* pp. 160-66
- Review the presentation *Measurement for Woodworkers* on Blackboard or with your instructor.
- Read Information sheet 1, "Goals in Measurement"
- Review Information sheet 2, "Scale Markings – U.S. Customary System"
- Watch the video *Tape Measures: Care & Use* <https://youtu.be/QL2ul777qXw>
- Review videos (if needed):
 - [Adding Fractions](#) (5:27)
 - [The Super Inch – Part A](#) (3:57)
 - [The Super Inch – Part B](#) (5:33)
- Print & complete Skill Activity 1, "Measuring with a rule"; check your answers and consult with your instructor if you have questions.
- Review the presentation *Measuring with Slide Calipers* on Blackboard or with your instructor.
- Watch the video *Slide Calipers: Care & Use* <https://youtu.be/D-FIY1K2Azo>
- Review Information sheet 4 on Caliper Use
- Practice measuring with a calipers
- Complete the test on Measurement
- Complete Exercise 1.1 – Measurement Widget (Note: You need to be able to measure angles for this activity. This skill is covered in Module 1.2)

Assessment Activities

- Test: Measurement
- Submit Exercise 1.1 for review