

Woodworking 1A: Machinery & Methods

Learning Plan

Module 5.2: Portable Power Sanders

Overview

Sanding is one of the most time consuming parts of a project. Power sanders speed up the process, but hand sanding is still required for many areas. In this unit, we will look at the methods and procedures used to ensure proper surface preparation.

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

Learning Activities

✓ Task

- Read *Modern Cabinetmaking (6th edition)* pp. 550-53 & 561-67
- Review Info Sheet 1, "Safety Rules for Portable Power Sanders"
- Listen to a demonstration by the instructor on Portable Sanders and/or
- Watch a video overview on Portable Power Sanders: <https://youtu.be/Hf24xBJ0Og4>
- Complete Skill Activity 1, "Parts and Adjustments of a Portable Belt Sander"
- Watch a video on DA Sanding Tips & Techniques: <https://youtu.be/HcXNsEDr-Ys>
- Complete Skill Activity 2, "Parts and Adjustments and use of Finishing Sanders"
- Watch the [Portable Power Sander Checklist Video](#) (14:01)
- Complete the "Portable Power Sander Demonstration Checklist" with your instructor or an approved proxy.
- Practice using portable power sanders
- Complete Exercise 5.2

Assessment Activities

- Self-evaluate and submit with learning plan.