



Content Outline for Woodworking

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Adapted from Wagner & Kicklighter (2006). Table of contents. *Modern woodworking* (11th Ed.). New York, NY: Goodheart-Willcox.

1. Planning and Designing in Woodworking
2. Wood Science & Technology
 - a. Selecting and Identifying Materials
 - b. Wood as a Natural Material
 - c. Material Science
 - d. Environmental Conditions & Cautions
 - e. Sourcing & Supply Chains
 - f. Forestry
 - i. Woodlot Management
 - ii. Arboriculture & Silviculture
3. Woodshop Health & Safety
4. Carpentry & Joinery
 - a. Hand Tools
 - i. Measurement, Layout, and Rough-Out
 - ii. Planing and Sawing
 - iii. Drilling and Boring
 - iv. Tool Selection and Care
 - b. Portable Power Tools
 - c. Stationary Machines
 - i. Planing Machines
 - ii. Circular Saws
 - iii. Band Saw, Scroll Saw, and Saber Saw
 - iv. Drill Press, Mortiser, and Tenoner
 - v. Lathe
 - vi. Router, Shaper, and Molder
 - vii. Sanding Machines
 - d. Programmable Machines
 - e. Joinery
 - f. Cutting Curves, Irregular Shapes, Bevels, and Chamfers
 - g. Adhesives, Gluing, and Clamping
 - h. Mechanical Fasteners and Assembly
 - i. Sanding and Preparing for Finish
 - j. Finishes and Finishing
 - k. Special Procedures in Fine Woodworking
 - i. Furniture and Cabinetwork
 - ii. Drawer and Door Construction
 - iii. Laminating and Bending Wood
 - iv. Carving
5. Wood Products
 - a. Synthetic Surface Materials
 - b. Boards (chip, fiber, particle, ply)
 - c. Veneer & Laminates
6. Construction
 - a. Footings and Foundations
 - b. Framing Floors, Walls, and Ceilings
 - c. Roof Framing and Roofing
 - d. Windows, Exterior Doors, and Finish
 - e. Interior Finish
 - f. Post-and-Beam and Prefabricated Construction
7. Upholstery
8. Patternmaking
9. Mass Production
10. Career & Entrepreneurial Opportunities