

## **Woodworking I and II Scope and Sequence**

- I. Planning Projects
  - a. Planning a Project
  - b. Sketching and Drawing and Blueprints
  - c. Style and Design
  - d. Elements of a Plan and Blueprints
  - e. Sequence and Plan Completion
  - f. Material Procurement and Finance
  - g. Working with Contractors
- II. Joining and Assembly of Stock
  - a. Wood Joinery
  - b. Adhesives
  - c. Clamping
  - d. Fasteners
  - e. Mass Assembly Techniques
  - f. Mass Production Systems
- III. Power Tool Use and Maintenance
  - a. Power Tool Safety and Operations
  - b. Machine Maintenance
  - c. Portable and Drill Press
  - d. Finish Palm and Belt Sander
  - e. Jigsaw, Saber Saw, and Band Saw
  - f. Power Nailers
  - g. Portable Circular Saw and Miter Saw
  - h. Jointer and Power Planes
  - i. Stationary Power Planer
  - j. Radial Arm Saw
  - k. Portable Router and Biscuit Joiner
  - l. Stationary Shaper
  - m. Disc and Table Sander
  - n. Panel Sander
  - o. Table Saw
  - p. Panel Saw
  - q. Wood lathe
  - r. Production Glue Gun Systems
- IV. Preparation and Finishing of Projects
  - a. Coated Abrasives
  - b. Wood Surface Preparations
  - c. Chemical Treatments and Stains
  - d. Pre-finish Surface Preparations
  - e. Finish Products and Applications
- V. Careers in Woodworking and Related Fields
  - a. Cabinet Making
  - b. Stair Making
  - c. Carpentry
  - d. Modular Manufacturing
  - e. Manufactured Wood Products
  - f. Marketing and Sales
- VI. Wood Technology
  - a. Parts of a Tree
  - b. Types and Characteristics of Lumber
  - c. Forestry
  - d. Manufactured Wood Products
  - e. Research and Development