

## **Cabinetmaking 4**

One Semester (85 hours) (1 credit)

10<sup>th</sup>-12<sup>th</sup> grades

Text: Cabinetmaking and millwork      John Feirer      1977

The student will learn advanced techniques in the field of woodworking including reading and drawing multi-view drawings and elevations on a CAD system. The student will know how to safely operate woodworking equipment. The student learn to maintain and repair various machines and hand tools.

### **Cabinetmaking 4**

1. Careers
  - a. Interview with a prospective employer
  - b. Review job interview techniques
  
2. Material planning and estimation
  - a. Research and plan project
  - b. Develop plan of procedure
  - c. Make a work order
  - d. Make a cutting list for a job
  
3. Design multi-view drawings
  - a. Sketch proposed project
  - b. Design multi-view drawing using CAD system
  - c. Design elevation drawing of cabinet
  
4. Machine tool safety
  - a. Review hand tools and uses
  - b. Review and pass all machine safety tests
  
5. Tool maintenance
  - a. Sharpen chisels and scrapers
  - b. Perform routine maintenance on various power machines
  - c. Replace blades and knives on various machines

6. Router
  - a. Use a plunge router
  
7. Table saw
  - a. Make a cove cut
  - b. Cut splines
  
8. Bandsaw
  - a. Use jig to cut circles
  - b. Fold blades for storage
  
9. Fasten stock
  - a. Fasten stock using pocket screws
  - b. Fasten stock using splines
  
10. Lamination
  - a. Cut lamination
  - b. Laminate a countertop
  
11. Finish surfaces
  - a. Prepare a surface for finish
  - b. Stain and seal surface
  - c. Use a spray finish on the project
  
12. Portfolio
  - a. Complete a portfolio
  - b. Resume
  - c. Letters of reference
  - d. Pictures of completed project