

Cabinet and Furniture Construction

COMPETENCIES	Hours/Date	88	175	360	540	720	1080
Unit I. Introduction and Safety							
A. Define carpentry work							
B. Identify general safety rules							
Unit II. Hand Tools							
A. Identify, inspect, and use measuring tools							
B. Identify and use basic layout and checking tools							
C. Identify and use striking tools							
D. Identify and use sawing tools							
E. Identify and use edge cutting tools							
F. Identify and use drilling and boring tools							
Unit III. Portable Power Tools							
A. Identify and use circular handsaw							
B. Identify and use sabre saw							
C. Identify and use electric hand drill							
D. Identify and use power plane							
E. Identify and use routers							
F. Identify and use sanders							
G. Identify and use motorized miter saw							
H. Identify and use air driven nailers and staplers							
J. Identify and use powder actuated drivers							
K. Identify and use biscuit joiners							
Unit IV. Stationary Power Tools							
A. Identify and use table saw							
B. Identify and use radial arm saw							
C. Identify and use jointer							
D. Identify and use planer							
E. Identify and use shaper							
F. Identify and use sanders							
G. Identify and use drill press							
H. Identify and use hand saw							
I. Identify and use bench grinder							
Unit V. Building Materials							
A. Identify types, sizes, and grades of lumber							
B. Identify types, sizes, and grades of plywood							
C. Identify types and sizes of building board							
D. Identify types and uses of fasteners and adhesives							
Unit VI. Design and Joinery							
A. Identify types of tables and joinery used in assembly							
B. Identify types of chests, cabinets, side boards, and joinery used in assembly							

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C. Identify types of bedroom furniture and joinery used in assembly							
D. Identify types of chair-work and joinery used in assembly							
E. Identify types of tea-trays, trolleys, library steps, and joinery used in assembly							
F. Identify church work and joinery used in assembly							
Unit VII. Blueprint Readings							
A. Read and use scale measurer							
B. Sketch and construct simple woodworking project							
C. Read and interpret a set of plans and specifications							
Unit VIII. Applied Mathematics							
A. Solve problems involving whole numbers							
B. Solve problems involving common fractions							
C. Solve problems involving decimal fractions							
Unit IX. Basic Casework, Drawer, and Door Construction							
A. Demonstrate proper basic design layout							
B. Cut and shape basic casework components							
C. Assemble basic casework components							
D. Cut and shape drawer components using basic joints							
E. Assemble drawer components using basic joints							
F. Cut and shape basic door							
G. Install basic door							
Unit X. Applied Mathematics II							
A. Solve problems involving geometric figures							
B. Solve basic ratios and proportion problems							
Unit XI. Advanced Casework, Drawers, and Door Construction							
A. Design and lay out casework, drawers, and doors using advanced joints							
B. Cut and shape advanced casework components							
C. Assemble advanced casework components							
D. Cut and shape advanced drawer components							
E. Assemble advanced drawer components							
F. Cut and shape advanced door components							
G. Install advanced door components							
Unit XII. Finishing							
A. Describe finishing methods							

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B. Exhibit knowledge of surface preparation							
C. Exhibit knowledge of finish application							
Unit XIII. Job Seeking Skills							
A. Locate resources for finding employment							
B. Identify methods for contacting potential employers							
C. Prepare a resume							
D. Prepare a letter of application							
E. Complete a job application form							
F. Demonstrate proper interview techniques							
G. Conduct job follow up							
H. Identify correct procedures for terminating employment							