

Competency Task List – Secondary Component
Cabinetmaking & Millwork CIP 48.0703
 High School Graduation Years 2023, 2024, 2025

100 Personal Safety

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
101	Follow safety rules for working in the cabinetmaking lab.		
102	Use cabinetmaking tools and equipment.		
103	Follow rules for electrical safety.		
104	Follow rules for fire safety.		
105	Follow rules for general housekeeping.		
106	Follow rules for material handling safety.		
107	Follow rules for eye protection.		
108	Follow rules for hearing protection.		
109	Follow rules for respiratory protection.		
	RESERVED (110-112)		
113	Follow rules for Safety Data Sheets (SDS).		
114	Follow rules for exposure control procedures such as blood borne pathogens.		
	RESERVED (115)		

200 Lumber & Cabinetmaking Materials

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
201	Identify parts of the tree.		
202	Describe methods of sawing timber into lumber.		
203	Explain methods of drying green lumber.		
204	Describe and identify defects in lumber.		
205	Identify various types of wood and lumber used to build cabinets.		
206	Explain how cabinet lumber is graded.		

207	Identify cabinet lumber and construction grade lumber.		
208	Identify particle board.		
209	Identify medium density fiberboard.		
	RESERVED (210)		
211	Identify veneer core plywood.		
212	Identify plastic laminates.		
213	Identify solid surface materials.		
214	Identify melamine.		

300 Blueprints

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
301	Use blueprint trade terminology.		
	RESERVED (302)		
303	Draw and dimension a base cabinet and wall cabinet to scale using an architect's ruler.		
	RESERVED (304)		
	RESERVED (305)		
306	Draw a multiple view blueprint of a cabinet.		
307	Draw a floor plan.		
308	Read a floor plan.		
309	Design a kitchen.		
	RESERVED (310)		
311	Lay out stock for cabinets.		
312	Create a bill of materials.		
313	Use design software.		

400 Hand Tools

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
401	Demonstrate the ability to measure.		
402	Lay out an arc or circle with trammel points.		
403	Identify various types of hand planes.		
	RESERVED (404)		
	RESERVED (405)		
406	Use a file to sharpen edges.		
407	Use a compass.		
408	Use a framing square.		
409	Square an angle with a try square.		
410	Use a combination square.		
411	Transfer an angle with a sliding T-bevel square.		
412	Use a level to check plumb and level.		
	RESERVED (413)		
414	Use various handsaws.		
415	Use chisels.		
416	Use a screwdriver to install screws.		
417	Follow rules for hand tool safety.		
418	Use various hammers.		
419	Sharpen cutting or shaping tools.		

500 Reserved

600 Stationary Power Equipment

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
601	Use a jointer.		

602	Use a surface planer.		
603	Use a table saw.		
	RESERVED (604)		
605	Use a band saw.		
606	Use a spindle sander.		
607	Use a disc sander.		
608	Use a hollow chisel mortiser.		
	RESERVED (609)		
610	Use a drill press.		
611	Use a shaper.		
612	Use a wide belt sander.		
613	Use a grinding machine.		
614	Use clean-out procedures for a dust collection system.		
615	Use a router table.		
616	Follow rules for power equipment safety.		
617	Use a pocket hole machine.		
618	Use an edge bander.		

700 Reserved

800 Portable Power Tools

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
801	Use a portable belt sander.		
802	Use a finish sander.		
803	Use a drill.		
804	Use a router.		
805	Use a circular saw.		
806	Use a jigsaw.		
807	Use a laminate trimmer.		

808	Use a biscuit joiner or loose tenon power tool.		
809	Use brad and finish nail pneumatic fastening tools.		
810	Use a miter saw or a compound miter saw.		
811	Follow rules for portable power tool safety.		

900 Machining and Related Operations

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
901	Glue boards edge to edge.		
	RESERVED (902)		
	RESERVED (903)		
904	Calculate and construct a drawer.		
905	Calculate and construct a face frame.		
906	Calculate and construct a panel door.		
907	Calculate and construct a wall cabinet.		
908	Fabricate moldings.		
909	Calculate and construct a base cabinet.		
910	Square stock to specified dimensions.		

1000 Cutting and Shaping Common Wood Joints

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
	RESERVED (1001)		
1002	Construct dado and groove joints.		
1003	Construct dowel joints.		
1004	Construct miter joints.		
1005	Construct mortise and tenon joints.		
1006	Construct rabbet joints.		
1007	Construct dove tail joints.		

1008	Construct half-lap joints.		
	RESERVED (1009-1011)		
1012	Construct pocket hole joint.		

1100 Glues and Adhesives

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1101	Follow safety rules for working with adhesives.		
1102	Identify various glues and adhesives.		
1103	Apply glues and adhesives.		
	RESERVED (1104)		
	RESERVED (1105)		

1200 Plastic Laminates

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1201	Cut plastic laminates to size.		
1202	Trim edges.		
1203	Apply adhesives.		
1204	Apply laminate to substrate.		
1205	Cap edges of substrates with laminates.		
1206	Construct a laminate joint.		
1207	Clean laminated plastics.		

1300 Procedures for Assembly

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
	RESERVED (1301-1305)		
1306	Demonstrate the appropriate use of clamps.		
1307	Assemble casework using clamping devices.		
1308	Reinforce joints with blocks.		
1309	Fasten parts with screws.		
1310	Attach moldings.		
	RESERVED (1311)		

1400 Hardware Installation

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1401	Lay out and measure for proper mounting of hardware.		
1402	Cut a gain for a hinge.		
1403	Install drawer slides.		
1404	Install knobs and pulls.		
1405	Install various types of catches.		
1406	RESERVED		
1407	Install various types of hinges.		
1408	Identify various types of mechanical fasteners.		

1500 Computer Numerical Controlled (CNC) Machines

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1501	Follow safety rules for operating Computer Numerical Controlled (CNC) equipment.		
1502	Establish a tool path for the cutter.		
1503	Install and remove cutters.		
1504	Use of Computer Numerically Controlled (CNC) design and machine software.		

1600 Finishing Procedures

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
	RESERVED (1601)		
	RESERVED (1602)		
1603	Sand and abrade with various grits of abrasive papers.		
	RESERVED (1604-1609)		
1610	Apply stains with a brush or a cloth.		
1611	Clean brushes after applying a finish.		
1612	Follow safety procedures when using spray equipment.		
1613	Maintain a spray gun.		
1614	Apply finish using a spray gun.		
1615	Troubleshoot and correct problems that occur in the finishing process.		
1616	Properly prepare wood product for finishing.		
1617	Apply under coat and top coat finishes.		

1700 Installation

Item	Task	(X) Indicates Proficiency ¹	Secondary Course Crosswalk
1701	Install a wall cabinet.		
1702	Install a base cabinet.		
1703	Install a countertop.		
1704	Install moldings.		

¹ Student Demonstrated Entry-Level Industry Proficiency as Indicated by (X)

Secondary CTE Instructor Signature _____ Date _____

Student Signature _____ Date _____

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