

Code	Competency	SE Chapter(s)	SE Page Number(s)
<b>CALIFORNIA</b>	<b>Course: Cabinetmaking and Wood Products</b>		
<b>CA A1.0</b>	<b>Students understand measurement systems in the planning and layout process used in the cabinetmaking and wood products industry:</b>	4	103-104, 111, 123
CA A1.1	Know design solutions to common problems in cabinetmaking and wood products.	3	88-90, 99-101, 102
CA A1.2	Understand calculation procedures for materials and production requirements for wood product designs.	3	97-98, 99-101, 102
CA A1.3	Convert scaled drawing measurements to full dimensional layout and template applications.	3, Woodworking Projects	95, 99-101, 102, 546-609
CA A1.4	Know conventional measurement processes for cabinetmaking and wood products, linear measurements, and conversions of fractions and decimals.	3, 4	102, 103-104, 111, 123
<b>CA A2.0</b>	<b>Students understand the safe and appropriate use of hand tools common to the cabinetmaking and wood products industry:</b>	Woodworker's Handbook, 4, 5, 6, 7, 16	27, 31, 112-118, 124-125, 106-110, 129, 131, 133-134, 143-149, 240-242
CA A2.1	Use common hand tools and accessories, such as planers, shapers, clamping and gripping tools, pliers, wrenches, wood chisels, hammers, hand saws, and squares, safely and properly.	4, 5, 6, 7, 16	112-118, 124-125, 106-110, 129, 131, 133-134, 143-149, 240-242
CA A2.2	Maintain and care for common hand tools.	Woodworker's Handbook	27, 31
<b>CA A3.0</b>	<b>Students understand the safe and appropriate use of portable power tools common to the cabinetmaking and wood products industry:</b>	Woodworker's Handbook, 4, 5, 6, 7, 9, 10, Woodworking Projects	21, 118-122, 123, 129-130, 134-140, 141, 152-154, 155, 171, 182, 546-609
CA A3.1	Use portable power tools, such as single and compound miter saws, drills, sanders, saber saws, and routers, safely and appropriately.	4, 5, 6, 7, 9, 10, Woodworking Projects	118-122, 123, 130, 134-140, 141, 152-154, 155, 171, 182, 546-609
CA A3.2	Use pneumatic tools, such as pneumatic clamps, grips, framing nail guns, and finishing and brad nail guns, safely and properly.	Woodworker's Handbook, 5	21, 129-130
CA A3.3	Maintain and care for portable power and pneumatic tools.	Online Learning Center: Enrichment Activities	

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<b>CALIFORNIA</b>	<b>Course: Cabinetmaking and Wood Products</b>		
<b>CA A4.0</b>	<b>Students understand the safe and appropriate use of stationary power machines and equipment common to the cabinetmaking and wood products industry:</b>	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30	278-284, 285, 286-293, 294, 295-309, 310, 311-317, 318, 319-329, 330, 331-338, 339, 340-347, 348, 349-357, 358, 359-369, 370, 371-377, 378, 379-393
CA A4.1	Understand the proper and safe use of stationary power tools used in the milling process, such as shapers, sanders, joiners, table saws, and band saws.	20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30	278-284, 285, 286-293, 294, 295-309, 310, 311-317, 318, 319-329, 330, 331-338, 339, 340-347, 348, 349-357, 358, 359-369, 370, 371-377, 378, 379-393, 394
CA A4.2	Understand the proper and safe use of stationary power tools used in the assembly process, such as pneumatic table clamps, case clamps, case frame fasteners, and hardware fasteners.	19	274
CA A4.3	Understand the proper and safe use of stationary power tools used in the finishing process, such as glue applicators, laminate applicators, and lacquer and paint applicators.	31, 32	397-399, 415-416, 417, 418, 420
CA A4.4	Know the basic care, maintenance, and lock-out procedures for stationary power tools.	20, 21, 22, 23, 24, 25, 26, 27, 28, 29	278-284, 285, 286-293, 294, 295-309, 310, 311-317, 318, 319-329, 330, 331-338, 339, 340-347, 348, 349-357, 358, 359-369, 370, 371-377, 378, 379-393, 394
<b>CA A5.0</b>	<b>Students understand procedures and processes as they occur in the cabinetmaking and wood products industry:</b>	3, 14, Advanced Woodworking Techniques, Woodworking Projects	214-216, 219-222, 528-521, 598-601
CA A5.1	Know how to read, understand, design, and construct cabinets accurately from cabinetmaking fabrication and installation plans and specifications.	14, Advanced Woodworking Techniques, Woodworking Projects	96-98, 99-101, 102, 214-216, 219-222, 528-521, 598-601

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<b>CALIFORNIA</b>	<b>Course: Cabinetmaking and Wood Products</b>		
CA A5.2	Understand how to estimate a bill of materials from drawings and specifications for constructing cabinets.	3, Woodworking Projects	96-98, 99-101, 102, 598-601
CA A5.3	Understand how to create a job schedule in a cabinetmaking project.	Teacher Resource Guide: Woodworking Handouts	
CA A5.4	Solve common cabinetmaking problems by using construction codes and cabinet building standards stated in the Manual of Millwork.	Online Learning Center: Enrichment Activities	
CA A5.5	Understand recordkeeping procedures in all phases of cabinetmaking (e.g., time accounting, cost of goods).	3, Online Learning Center Projects	96-101
<b>CA A6.0</b>	<b>Students understand the value and necessity of practicing occupational safety in the cabinetmaking industry or shop:</b>	Woodworker's Handbook, 2	61-63, 83-84, 85, 86
CA A6.1	Know the safety rules in the cabinetmaking work environment.	Woodworker's Handbook, 2	61-63, 83-84, 85, 86
CA A6.2	Use hand tools (wood chisels, drills, coping saws) and power tools (routers, sanders, planers) safely in the cabinet working environment.	4, 5, 6, 7, 16, 20, 28, 29,	112-118, 124-125, 106-110, 129, 131, 133-134, 143-149, 240-242, 282-284, 285, 363-369, 370, 375-376, 378
CA A6.3	Understand how to handle and dispose of toxic materials safely and use protective clothing as needed when using lacquers, acetone, thinners, staining materials, and so forth in an environmentally responsible manner.	2, 32, 40	79-80, 82, 409, 410, 411, 412, 416-416, 418, 496
<b>CA A7.0</b>	<b>Students understand the variety of production processes used in the cabinetmaking and wood products industry:</b>	3, 14, Woodworking Projects	95, 99-101, 102, 223, 546-609
CA A7.1	Design and create cabinet and wood products.	3, 14, Woodworking Projects	95, 99-101, 102, 223, 546-609
CA A7.2	Develop a production plan, including the layout, bill of materials, and cost analysis, for the production of cabinets or wood products.	3, Woodworking Projects	96-98, 99-101, 102, 598-601

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<b>CALIFORNIA</b>	<b>Course: Cabinetmaking and Wood Products</b>		
CA A7.3	Use stationary and portable power tools in milling the components for cabinets and wood products.	4, 5, 6, 7, 12, 15, 16, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30	106-110, 112-118, 123, 124-125, 129, 130, 131, 133-134, 135-140, 141, 143-149, 152-154, 155, 199-200, 226, 240-242, 251, 279-280, 285, 286-287, 294, 295-296, 311-312, 319-320, 331-332, 340-342, 349-350, 359-361, 371-374, 379-393
CA A7.4	Use stationary and portable power tools in the assembly of cabinet and wood product components.	4, 5, 6, 7, 12, 15, 16, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30	106-110, 112-118, 123, 124-125, 129, 130, 131, 133-134, 135-140, 141, 143-149, 152-154, 155, 199-200, 226, 240-242, 251, 279-280, 285, 286-287, 294, 295-296, 311-312, 319-320, 331-332, 340-342, 349-350, 359-361, 371-374, 379-393
CA A7.5	Use finish tools (e.g., airless sprayers, palm sanders) and techniques for finishing cabinets and wood products.	31, 32	397-399, 415-416, 417, 418, 420
CA A7.6	Use installation tools and understand the processes for the installation of cabinets, millwork, and wood products.	38	474, 475
<b>CA A8.0</b>	<b>Students understand the impact of financial, technical, and environmental trends on the past and future of the cabinetmaking and wood products industry:</b>	1	66
CA A8.1	Understand significant historical trends in cabinetmaking and wood products technology.	Online Learning Center: Enrichment Activities	
CA A8.2	Understand environmental regulations that influence the cabinetmaking and wood products industry.	1	66
CA A8.3	Understand issues of the sustainable use of wood product resources.	1	66

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<b>CALIFORNIA</b>	<b>Course: Cabinetmaking and Wood Products</b>		
<b>CA A9.0</b>	<b>Students understand career preparation and how it applies across all standards for students planning to enter and advance successfully in the cabinetmaking and wood products industry:</b>	1	71, 72, 73, 74
CA A9.1	Understand the careers that are available in cabinetmaking and wood products manufacturing and related occupations (e.g., custom crafts, furniture making, marketing).	1	71, 72, 73, 74
CA A9.2	Understand the need for professional growth across all aspects of the industry, including financial, leadership, and advancement elements.	1, Teacher Resource Guide: Career Opportunities	71, 72