Kentucky CTE

Advanced Manufacturing: Wood Manufacturing: Cabinet Making Technology 480731 (2026–2027)

Practice and perform safe shop procedures at all times. 1	1 Practice and perform safe shop procedures at all times. 1
Apply the technical math required for employment opportunities. 2	2 Apply the technical math required for employment opportunities. 2
Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork. 3	3 Perform all duties with emphasis on integrity, responsibility, quality, discipline and teamwork. 3
Produce working drawings for a typical set of kitchen cabinets, both manually and with the aid of computer software. 4	4 Produce working drawings for a typical set of kitchen cabinets, both manually and with the aid of computer software. 4
Produce a cutting list needed to build a set of cabinets. 5	5 Produce a cutting list needed to build a set of cabinets. 5
Demonstrate an understanding of both face and frame and 32mm systems of cal	6 Demonstrate an understanding of both face and frame and 32mm systems of cabinet construction. 6

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Identify standardized cabinet dimensions. 7	7 Identify standardized cabinet dimensions. 7
Differentiate between custom cabinetry and modular/mass-produced cabinetry. 8	8 Differentiate between custom cabinetry and modular/mass-produced cabinetry. 8
Compare the cost of manufacturing components (doors and drawers) vs. outsourcing. 9	9 Compare the cost of manufacturing components (doors and drawers) vs. outsourcing. 9
Identify trade associations for the cabinet and store fixture industries and review standards and certification programs. 10	10 Identify trade associations for the cabinet and store fixture industries and review standards and certification programs. 10
Manufacture a countertop using high-pressure decorative laminate. 11	11 Manufacture a countertop using high-pressure decorative laminate. 11
Fabricate a typical cabinetry project. 12	12 Fabricate a typical cabinetry project. 12
Install a typical base and wall cabinet. 13	13 Install a typical base and wall cabinet. 13
Solve first-degree algebra equations. 14	14 Solve first-degree algebra equations. 14
Apply algebraic knowledge to solve verbal problems and formulas. 15	15 Apply algebraic knowledge to solve verbal problems and formulas. 15
Solve simple plan and solid geometry problems. 16	16 Solve simple plan and solid geometry problems. 16
Pr Skip to main content surface/product for the	Prepare a surface/product for the finishing process. 17

finishing process. 17

Identify the factors associated with the finish quality of a wood product. 18	18 Identify the factors associated with the finish quality of a wood product. 18
Differentiate between paints, varnish, lacquer, shellac, polyurethane, conversion varnish, and water-based products. 19	19 Differentiate between paints, varnish, lacquer, shellac, polyurethane, conversion varnish, and water-based products. 19
Demonstrate contemporary application techniques for both oil-based and water-based products. 20	20 Demonstrate contemporary application techniques for both oil-based and water-based products. 20
Explain the theory and operation of various coating technologies. 21	21 Explain the theory and operation of various coating technologies. 21
Disassemble, re-assemble, and adjust a conventional spray gun. 22	22 Disassemble, re-assemble, and adjust a conventional spray gun. 22
Develop a finishing schedule for a variety of finishing materials applied to a variety of substrates. 23	23 Develop a finishing schedule for a variety of finishing materials applied to a variety of substrates. 23
Describe EPA and OSHA regulations as they pertain to the finishing industry. 24	24 Describe EPA and OSHA regulations as they pertain to the finishing industry. 24
Evaluate and specify drying equipment, fluid handling equipment, and exhaust/filtering sy	25 Evaluate and specify drying equipment, fluid handling equipment, and exhaust/filtering systems. 25

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Perform standardized tests on finished surfaces to determine durability. 26

26 **Perform standardized tests on finished surfaces to determine durability.** 26