Kentucky CTE

Advanced Manufacturing: Wood Manufacturing: Technical Drawing and Blueprint Reading 480719 (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
Develop freehand sketching techniques used to convey object size and shape. 4	4 Develop freehand sketching techniques used to convey object size and shape. 4
Use and care for drafting equipment and supplies properly. 5	5 Use and care for drafting equipment and supplies properly. 5
Layout and draw orthographic, sectional, isometric, oblique, and pe	6 Layout and draw orthographic, sectional, isometric, oblique, and perspective drawings. 6

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Read and interpret specifications from architectural plans and detailed drawings. 7	**7** **Read and interpret specifications from architectural plans and detailed drawings.** 7
Practice industry standards for dimensioning and notation. 8	**8** **Practice industry standards for dimensioning and notation.** 8
Master basic geometric construction concepts and techniques. 9	**9** **Master basic geometric construction concepts and techniques.** 9
Utilize the design process to develop a solution to a problem. 10	**10** **Utilize the design process to develop a solution to a problem.** 10
Prepare a bill of materials for a typical wood product by performing a materials take-off from an architectural drawing. 11	**11** **Prepare a bill of materials for a typical wood product by performing a materials take-off from an architectural drawing.** 11
Create drawings needed for route sheets, subassembly, and final assembly sheets. 12	**12** **Create drawings needed for route sheets, subassembly, and final assembly sheets.** 12