Kentucky CTE

Engineering Technology: Technical Design II 210108 (2026–2027)

Apply the design process involving problem identification, conceptualization, research, refinement of preliminary ideas, design analysis, development and implementation, detailed documentation of final design, optimization and final presentation. 1	1 Apply the design process involving problem identification, conceptualization, research, refinement of preliminary ideas, design analysis, development and implementation, detailed documentation of final design, optimization and final presentation. 1
Use the design process to fabricate products related to one or more of the seven contexts of technological literacy (agriculture, bio-related, medical, construction, manufacturing, transportation, and communications). 2	2 Use the design process to fabricate products related to one or more of the seven contexts of technological literacy (agriculture, bio-related, medical, construction, manufacturing, transportation, and communications). 2
Engage in meaningful, hands-on, minds-on, technology-based activities using tools, machines, materials, and processes. 3	3 Engage in meaningful, hands-on, minds-on, technology-based activities using tools, machines, materials, and processes. 3
Analyze various design co an pr	4 Analyze various design concepts, constraints, and processes related to product levelopment employing critical thinking skills. 4

Skip to main content

employing critical thinking skills. 4	
Work individually, in teams, or as a total class to solve design-related activities. 5	5 Work individually, in teams, or as a total class to solve design-related activities. 5
Identify opportunities, characteristics, and preparation requirements for current and emerging design-related occupations. 6	6 Identify opportunities, characteristics, and preparation requirements for current and emerging design-related occupations. 6

Standard