10th Engineering Design and Presentation
26 – 27 Instructional Plan

Course Overview	Students enrolled in Engineering Design and Presentation demonstrate knowledge and skills in the design process as it applies to engineering fields and project management, using multiple software applications and tools to produce and present working drawings, solid model renderings, and prototypes. Through the implementation of the design process, students transfer advanced academic skills to component designs. Additionally, students explore career opportunities in engineering, technology, and drafting, as well as the requirements for gaining and maintaining employment in these areas.
Course Standards	Rule §127.404 Engineering Design and Presentation

Scope & Sequence

Units/Modules & Instructional Days	Assessments & Scanning Deadlines	Standards
Unit 1: Engineering Sketching Production Drawing 20 days	TX_CTE_10thEDNP_F26_UE1 Scanning Deadline: September 24, 2026	Unit Standards
Unit 2: Computer-Aided Design and Drafting 20 days	TX_CTE_10thEDNP_F26_UE2 Scanning Deadline: October 29, 2026	
Unit 3: Design Fundamentals and Documentation 15 days	TX_CTE_10thEDNP_F26_UE3 Scanning Deadline: November 19, 2026	
Unit 4: Fusion 3D Modeling and Simulations 20 days	TX_CTE_10thEDNP_S27_UE4 Scanning Deadline: January 14, 2027	
Unit 5: Product Design and Prototype Development 20 days	TX_CTE_10thEDNP_S27_UE5 Scanning Deadline: February 18, 2027	
Unit 6: Project Management and Safety Practices 12 days	TX_CTE_10thEDNP_S27_UE6 Scanning Deadline: March 4, 2027	
Unit 7: Teamwork in Engineering 15 days	TX_CTE_10thEDNP_S27_UE7 Scanning Deadline: April 8, 2027	
Unit 8: Engineering Problem Solving 10 days	TX_CTE_10thEDNP_S27_UE7 Scanning Deadline: April 22, 2027	

Final Exam Windows

Region	Exam Window	Scanning Deadline
Dallas – Fort Worth (DFW)	May 17 – 21, 2027	May 21, 2027
El Paso (EP)	May 10 – 14, 2027	May 14, 2027
Permian Basin (PB)	May 17 – 21, 2027	May 21, 2027
San Antonio (SA)	May 12 – 18, 2027	May 18, 2027
Rio Grande Valley (RGV)	May 17 - 21, 2027	May 21, 2027

TEKS Alignment
Instruction in this course is aligned to the Texas Essential Knowledge and Skills (TEKS) as adopted by the State Board of Education and implemented in accordance with Texas Education Code Chapter 28.

Instructional Materials
Primary Texts (if applicable)
Supplemental instructional materials may be used to support instruction. Supplemental materials do not replace board-approved core instructional materials.

Additional information regarding instructional programs, assessments, and parent access to instructional materials is available on the district website.

Instructional Expectations
Instruction is delivered using board-approved instructional materials and aligned to the scope and sequence outlined above. Teachers are expected to ensure all required standards are taught within the course timeframe.

Assessment Overview
Student learning is monitored through formative and summative assessments aligned to course standards. Assessment results are used to inform instruction and student supports. Students participate in required state assessments when applicable.