

Ennis High School Endorsement Pathways 24-25

STEM Endorsement						
	Engineering (Mechanical)	Engineering (Aerospace & Electronics)	Networking (Requires a student owned laptop)	Math	Science	
9 th	Principles of Applied Engineering	Principles of Applied Engineering	Business Info Management (BIM) I <i>(recommended, but optional)</i>	5 years of math <i>(including two courses beyond Algebra II)</i>	5 credits in science (Biology, Chemistry, Physics, and two additional science courses)	
10 th	Engineering Design & Presentation I	Digital Electronics				
11 th	Engineering Design & Presentation II	Aerospace Engineering				TSTC Networking Year 1 (fall/spring)
12 th	Practicum in STEM	Practicum in STEM				TSTC Networking Year 2 (fall/spring)

10th-12th Grade Mechanical Engineering Elective: **Architecture Design**

Public Service Endorsement						Arts & Humanities Endorsement	
	Health Science	Exercise Science & Wellness	Education	Cosmetology	Criminal Justice	Foreign Language	Fine Arts
9 th	Principles of Health Science	Principles of Exercise Science & Wellness	Child Development	Intro to Cosmetology	Principles of Law	Spanish I (Reg or Honors)	A coherent sequence of 4 credits from 1 or 2 categories of Fine Arts (band, choir, theatre, art)
10 th	Health Science Theory	Kinesiology I	Principles of Education	Intro to Color Theory	Criminal Investigations	Spanish II (Honors or Dual Credit)	
11 th	Practicum in Health Science/Clinical Rotations (2 periods)	Kinesiology II	Ready, Set, Teach I (2 periods)	Cosmetology 1 (3 periods)	Forensic Science (4th year science)	Spanish III (Honors, Dual Credit, or AP)	
12 th	Practicum in Health Science (1 or 3 periods)	Practicum in Entrepreneurship	Ready, Set Teach 2 (Practicum in Education) (2 periods)	Cosmetology 2 (3 periods)	Practicum in Law	Spanish IV (Dual Credit, or AP)	
		*Requires athletic training approval				Grade 10-12 Elective: Court Systems	

*TSTC Diesel, Electrical, and IM courses under this cluster require a 3 hour block (periods 6-8) and travel to Red Oak 2-3 times per week in an EISD vehicle. Tuition is \$99 per course, plus the cost of any needed tools.

Business & Industry Endorsement							
	Welding OR Industrial Maintenance (IM)		Auto Tech OR Diesel Mechanics		Carpentry & Construction OR Electrician		
9 th	Agricultural Mechanics & Metal		Agricultural Mechanics & Metal		Principles of Construction		
10 th	Intro to Welding		Auto Basics		Agricultural Structures AND Principles of Applied Engineering		
11 th	Welding (2 per)	TSTC Year 1: Intro to IM (fall) / Pumps & Compressors (spring)	Auto Tech (2 periods)	TSTC Year 1: Diesel Equipment Tech I (fall) AND Occupational Safety & Environmental Technology I (spring)	Construction Tech 1 (2 periods) OR	TSTC Year 1: Introduction to Electrical Safety & Tools (fall) AND DC Circuits (spring)	
	Navarro College Welding (2 per)				TSTC Construction Year 1 (2 periods)		
12 ^t	Advanced Welding (2 per)	TSTC Year 2: IM Basic Electrical (fall) / Motor Controls (spring)	Advanced Auto Tech (2 periods)	TSTC Year 2: Diesel Equipment Tech II (fall) AND Occupational Safety & Practicum in Transportation Systems (spring)	Construction Tech 2 (2 periods) OR	TSTC Year 2: AC Circuits (fall) AND Motor Controls (spring)	
					TSTC Construction Year 2 (2 periods)		

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Business & Industry Endorsement				
	A/V & Communications	Entrepreneurship	Marketing	Culinary Arts
9 th	Principles of A/V & Communications	Principles of Business, Marketing, & Finance	Principles of Business, Marketing, & Finance	Intro to Culinary Arts
10 th	Digital Arts & Animation	Entrepreneurship 1	Marketing	Culinary Arts I
11 th	Commercial Photography (2 credits)	Entrepreneurship 2	Advertising (.5)/ Social Media Marketing (.5)	Culinary Arts II (2 periods)
12 th	Practicum in Entrepreneurship (2 credits) OR Practicum in Commercial Photography (2 credits)	Practicum in Entrepreneurship (2 credits)	Practicum in Marketing (2 credits)	Practicum in Culinary Entrepreneurship (2 periods)

Business & Industry Endorsement				
	Floral Design	Animal Science		Horticulture
9 th	Principles of Ag, Food, & Natural Resources	Principles of Ag, Food, & Natural Resources		Principles of Ag, Food, & Natural Resources
10 th	Floral Design	Livestock Production	Small Animal Management / Equine Science (1 semester each)	Horticulture Science
11 th	Advanced Floral Design (2 periods)	Veterinary Medical Applications		Landscape Design / Turf Management (1 semester each)
12 th	Practicum in Floral Design (2 periods)	Advanced Animal Science		Greenhouse Operations (2 periods) AND Advanced Soil Science (4th year science credit)