



Construction Technology
Business and Industry Endorsement
Program of Study: Carpentry / Masonry
Grand Prairie High School

Grade	ELA	Math	Science	Social Studies	Required CTE Courses	Potential Certification Opportunities
9th	English 1	Algebra I	Biology	World Geography or AP Human Geography	Principles of Construction (1 Credit)	<ul style="list-style-type: none"> • OSHA General • Cyber Safety • Career Essentials: Customer Service • Career Safe: Employability
10th	English 2	Geometry	Chemistry or OnRamps Chemistry	World History, AP World History, or Political Science	Construction Technology I (2 Credits) Masonry (1 Credit)	
11th	English 3	Algebra II	Physics, AP Physics, AP Chemistry, or OnRamps Physics	U.S. History, AP US History, or OnRamps US History	Construction Technology II (2 Credits) Masonry II (1 Credit)	<ul style="list-style-type: none"> • NCCER—Electrical, HVAC, Masonry, Painting, Pipefitting, Plumbing, Sheet Metal, Weatherization
12th	Business English, or Approved CTE 4 th year English	Financial Mathematics, or Approved CTE 4 th year Math	Principles of Technology, or Approved CTE 4 th year Science	Government _____ Economics	Practicum in Construction Technology (2 Credits)	<ul style="list-style-type: none"> • NCCER—Construction Technology, Carpentry Fundamentals Level 1 & 2

Student Organizations	Additional Required Electives
SkillsUSA	Fine Arts Health Foreign Language Physical Education

Dual Credit Offerings	Additional Recommended Electives
English 3 AP English Language AP English Literature Calculus College Algebra Biology Environmental Science World History Government European History Art English 4 AP Spanish Language AP Spanish Literature Pre-Calculus Statistics Physics Earth and Space Science U.S. History Economics Psychology Music Theory	Accounting 1 (1 Credit) Principles of Business, Marketing & Finance (1 Credit) Accounting 2 (1 Credit) Business Law (1 Credit)

Sample Career Opportunities	High School	On the Job Training	Certificate	Associates Degree	Bachelor's Degree	Advanced College Degree	Average Annual Salary	Possible Majors for this Pathway
Electrician	X	X	X	X			\$56,180—\$96,580	<ul style="list-style-type: none"> • Basic Electricity • Carpentry • Building and Property Maintenance • HVAC • Piping and Plumbing • Construction Technology • Construction Management • Civil Engineering • Industrial Design • Industrial Engineering • Industrial Technology
Carpenter	X	X	X	X			\$48,330—\$84,690	
HVAC Refrigeration Mechanics and Technicians	X	X	X	X			\$48,730—\$77,920	
Plumber, Pipefitter and Steamfitter	X	X	X	X			\$55,160—\$97,170	
Boilermaker	X	X	X	X			\$63,100—\$94,440	
Civil Engineer		X	X	X	X		\$87,060—\$144,560	
Civil Engineering Technician		X	X	X			\$53,410—\$80,650	
Industrial Designer		X	X	X	X		\$68,890—\$114,950	
Construction Manager		X	X	X	X		\$95,260—\$164,790	
Construction Equipment Operator	X	X	X	X			\$48,160—\$84,650	
Construction and Building Inspector	X	X	X	X			\$60,710—\$98,820	