



La Vernia High School CTE Programs of Study 2021 – 2022



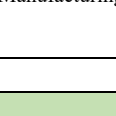


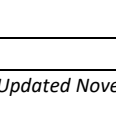
Endorsements - Students earn an endorsement by completing the curriculum requirements for the endorsement, including 4th credit of math and science and 2 additional elective credits. Students must choose an endorsement in 9th grade.


Career Cluster – Nationally recognized groupings of occupations and industries


Programs of Study – Developed by TEA, Programs of Study include coherent sequence of courses, industry-based certifications, and work-based learning to ensure students are prepared for in-demand, high-skill, and high-wage careers in Texas.

Course Suggested Order of Completion - Courses may be sequenced in order different than shown, but pre-requisite requirements must be met in order.

Career Cluster	Program of Study	Endorsement and Order of Completion				Certification
BUSINESS & INDUSTRY ENDORSEMENT						
 <p>Agriculture, Food and Natural Resources</p>	Agribusiness	Suggested order of completion				<i>Certification @ LVHS</i>
		9 th	10 th	11 th	12 th	
		Principles of Agriculture, Food, and Natural Resources (1)	Professional Communications (.5) Professional Standards in Agribusiness (.5)	Agribusiness Management and Marketing (1)	Agricultural Leadership, Research, and Communication (1)	
	Animal Science	Suggested order of completion				<i>Certification @ LVHS</i>
		9 th	10 th	11 th	12 th	
		Principles of Agriculture, Food, and Natural Resources (1)	Small Animal Management (.05) Equine Science (.05)	Livestock Production (1)	Advanced Animal Science (1)	
	Applied Agricultural Engineering	Suggested order of completion				<i>Certification @ LVHS OSHA 30 - General</i>
		9 th	10 th	11 th	12 th	
		Principles of Agriculture, Food, and Natural Resources (1)	Agricultural Mechanics and Metal Technologies (1)	Agricultural Structures Design & Fabrication (1)	Agricultural Power Systems (2)	
	Environmental and Natural Resources	Suggested order of completion				<i>Certification @ LVHS</i>
9 th		10 th	11 th	12 th		
Principles of Agriculture, Food, and Natural Resources (1)		Wildlife, Fisheries, and Ecology Management (1)				
Plant Science	Suggested order of completion				<i>Certification @ LVHS TSFA Level One Floral Certification</i>	
	9 th	10 th	11 th	12 th		
	Principles of Agriculture, Food, and Natural Resources (1)	Horticultural Science (1)	Floral Design (1)	Advanced Floral Design (1) Advanced Plant and Soil Science (1)		
 <p>Arts, Audio Visual Technology, and Communications</p>	Design & Multimedia Arts	Suggested order of completion				<i>Certification @ LVHS</i>
		9 th	10 th	11 th	12 th	
		Principles of Arts, A/V Technology and Communications (1)	Graphic Design and Illustration I (1) Animation I (1)	Graphic Design and Illustration II (2); Animation II (2)	Practicum in Graphic Design & Illustration (2)	
Digital Communications	Suggested order of completion				<i>Certification @ LVHS</i>	
	9 th	10 th	11 th	12 th		
	Principles of Arts, A/V Technology and Communications (1)	Audio/Video Production (1)	Audio/Video Production (1)			

BUSINESS & INDUSTRY ENDORSEMENT						
 Business, Marketing and Finance	Business Management	Suggested order of completion				Certification @ LVHS Microsoft Office Specialist Excel Microsoft Office Specialist Word
		9th	10 th	11 th	12th	
		Principals of Business Marketing and Finances (1)	Business Information Management (1)	Business Information Management II (1) Business Law (1)	Career Preparation I (2)	
 Business, Marketing and Finance	Accounting & Financial Services	Suggested order of completion				Certification @ LVHS Microsoft Office Specialist/Expert Excel
		9th	10 th	11 th	12th	
		Principals of Business Marketing and Finances (1)	Business Information Management (1) Accounting (1) Money Matters (1)	Accounting II (1) or Accounting (1)	Accounting II (1) or Career Preparation (2)	
 Hospitality and Tourism	Culinary Arts	Suggested order of completion				Certification @ LVHS ServSafe Manager
		9th	10 th	11 th	12th	
		Principles of Hospitality and Tourism (1)	Introduction to Culinary Arts (1)	Culinary Arts (2)	Advanced Culinary Arts (2)	
 Manufacturing	Advanced Manufacturing and Machinery Mechanics	Suggested order of completion				Certification @ LVHS
		9th	10 th	11 th	12th	
		Principles of Applied Engineering (1)	Engineering Design & Presentation I (1) Robotics I (1)	Robotics I (1) Engineering Design & Presentation I (1)	Robotics II (1)	
PUBLIC SERVICES ENDORSEMENT						
 Education and Training	Early Learning	Suggested order of completion				Certification @ LVHS *Tentative for 2021-2022 Child Development Associate
		9th	10 th	11 th	12th	
		Principles of Human Services (1)	Principles of Human Services (1) or Child Development (1)	Child Development (1) or Child Guidance (2)	Child Guidance (2) *Career Prep	
 Health Sciences	Healthcare Diagnostics	Suggested order of completion				Certification @ LVHS Phlebotomy Technician
		9th	10 th	11 th	12th	
		Principles of Health Science (1)	Medical Terminology (1)	Health Science Theory (1)	Medical Microbiology (1) Certification Science credit Anatomy & Physiology (1) Non-certification Science credit	
 Health Sciences	Healthcare Therapeutics	Suggested order of completion				Certification @ LVHS Clinical Medical Assistant
		9th	10 th	11 th	12th	
		Principles of Health Science (1)	Medical Terminology (1)	Health Science Theory (1)	Practicum in Health Science (2) Certification	

PUBLIC SERVICES ENDORSEMENT						
 Law and Public Service	Law Enforcement	Suggested order of completion				Certification @ LVHS *Tentative 2021-2022 Non-Commissioned Security Officer – Level II
		9th	10 th	11 th	12th	
		Principles of Law, Public Safety, Corrections, & Security (1)	Law Enforcement I (1)	Criminal Investigation (1)	Law Enforcement II (1) <i>Certification</i> Forensic Science (1) <i>Science credit</i>	

STEM Endorsement						
 Science, Technology, Engineering and Mathematics (STEM)	Cyber Security	Suggested order of completion				Certification @ LVHS
		9 th	10 th	11 th	12th	
		Principles of Information Technology (1)	Fundamentals of Computer Science (1)	Computer Science I (1)		
	Programming and Software Development	Suggested order of completion				Certification @ LVHS Tentative 2021-2022 *Oracle Certified Associate – JAVA SE 8 or Microsoft Tech Associated Intro to Java
		9 th	10 th	11 th	12th	
	Fundamentals of Computer Science (1)	Computer Science I (1)	Computer Science II (1)	Computer Science III (1)		