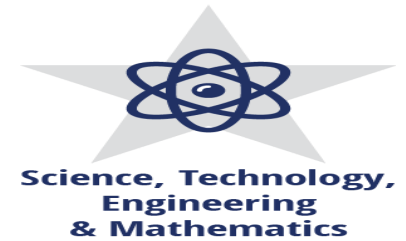




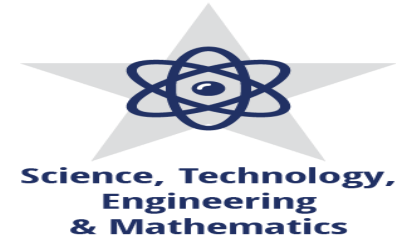
Endorsement: STEM Program of Study: STEM



Grade Level	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Four Year Plan	<ul style="list-style-type: none"> -English I/AP English 1 -Algebra I/Algebra II/Pre-AP Algebra -Biology/Pre-AP Biology -World Geography/Pre-AP World Geography -Physical Education -Professional Communication (.5) -Health (.5) <p>Engineer-Designer/Robotics/Electronics: Intro to Engineering Design</p> <p>Biotechnology: Principles of Biosciences</p>	<ul style="list-style-type: none"> -English II/AP English II -Algebra II/ Geometry/Pre-AP Geometry -Chemistry/Biology AP -World History/Pre-AP World History -Foreign Language -An Elective of Choice <p>Engineer-Designer: Engineering Design and Presentation</p> <p>Robotics: Robotics I Computer Programming I</p> <p>Electronics: AC/AD Electronics Principles of Technology*</p> <p>Biotechnology: Biotechnology I*</p>	<ul style="list-style-type: none"> -English III/AP English III -Geometry/ Pre-Calculus/ -IPC/Physics, Anatomy & Physiology, Or Environmental Systems/ Chemistry Pre-AP, AP Physics or Anatomy & Physiology -U. S. History/ AP U.S. History -Foreign Language - An Elective of Choice <p>Engineer-Designer: Engineering Design & Presentation II Engineering Design and Problem Solving*</p> <p>Robotics: Computer Programming II Solid State electronics (Advanced Electronics)</p> <p>Electronics: AC/AD Electronics Principles of Technology* Solid State Electronics(Advanced Electronics)</p> <p>Biotechnology: Biotechnology II*</p>	<ul style="list-style-type: none"> -English IV/ AP English IV -Other Advanced Math/Pre-Calculus -Additional Science Course -Economics/Gov./AP Macroeconomics/ Government -Elective of Student Choice <p>Engineer-Designer/Robotics/Electronics: Practicum In STEM</p> <p>Robotics/Electronics: Solid State electronics (Advanced Electronics)</p> <p>Biotechnology: Scientific Research and Design</p>



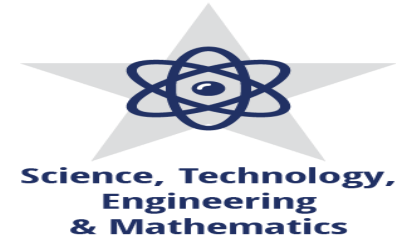
Endorsement: STEM Program of Study: STEM



Evidence and Outcomes	Evidence: Competitions Create a Resume Create an Email Account board review Written Reflection of Speakers Written Reflection of College Tours/Industry Tour Texas Reality Check- https://texasrealitycheck.com/	Legos FTC First Robotics UIL Computer Science SkillsUSA		
Certifications	OSHA	A+ Certification Need to setup AP computer exam as a test out	SOLIDWORKS Certification ISCET Certified Electronics Technicians International Society of Certified Electronics 3D Printing Certification	
Work Based Learning	Guest Speakers: Harry@HAKElectronics CODE an APP INTERNET OF THINGS DRONES ROBOTICS Industry Tours(Job Shadowing)	Guest Speakers: Devon Kozis DCCCD STEM Center Industry Tours(Job Shadowing)	Guest Speakers: Industry Tours(Job Shadowing)	Guest Speakers: Industry Tours(Job Shadowing)



Endorsement: STEM Program of Study: STEM



College Experience	College Tours		UT Dallas	
Competitions/Clubs (open to all students)			Sept. 27, 2018- STEM Innovators In Training Experience & Invitational, Waxahachie, texas (9 am -1 pm.)	Sept. 27, 2018- STEM Innovators In Training Experience & Invitational, Waxahachie, texas (9 am -1 pm.)
Potential Careers and Compensation :				
Engineer -\$114,593.00		Industrial Engineer -\$108,332.00		Mechanical Engineers- \$106,024. 00
Electrical Engineers -\$104,667.00		Civil Engineer -\$100,369.00		Nuclear Engineers -\$101,846.00
Robotics Engineers -\$114,593.00		Robotics Technicians -\$61,802.00		Electronics Engineers -\$116,096.00
Electronics Engineering Technicians -\$65,536.00		Electronics Engineering Technologist- \$63,020.00		