



Engineering design and problem solving (Junior Year)
Year at a Glance (YAG)
2023-2024



First Semester		Second Semester	
1 st Nine Weeks – 40 days		3 rd Nine Weeks – 45 days	
<p><u>TEKS</u></p> <p>1A, 1B, 2A-2G, 2J, 2K, 3B, 3D, 3D, 4B, 4D, 4E, 5A-5I, 6A-6F, 6I,</p>	<p>History of Rocketry Part 1, 1000BC - 1945 Evaluation</p> <p>History Of Rocketry Part 2, 1940's - 1950's Evaluation</p> <p>History of Rocketry Part 3, 1950's - 1960's Evaluation</p> <p>Shop and Launch Safety and Procedures () Evaluation</p> <p>Problem Analysis/Design Theory</p>	<p><u>TEKS</u></p> <p>1A, 1B, 2A-2G, 2I, 2J, 2K, 3B-3F, 4B, 5A-5I, 6A-6C, 6E, 6F, 6H, 6I,</p>	<p>Material Research Continued</p> <p>Critical Design Review</p> <p>Material Acquisition</p> <p>Component Fabrication</p>
2 nd Nine Weeks – 43 days		4 th Nine Weeks – 45 days	
<p><u>TEKS</u></p> <p>1A, 1B, 2A-2G, 2J, 2K, 3B, 3D, 3D, 4B, 4D, 4E, 5A-5I, 6A-6F, 6I,</p>	<p>All-Up Vehicle Design</p> <p>Flight Profile with Propulsions-thrust Curve</p> <p>Component Team Design/Research</p> <p>Material Research</p>	<p><u>TEKS</u></p> <p>1A, 1B, 2A-2G, 2I, 2J, 2K, 3B-3F, 4B, 5A-5I, 6A-6C, 6E, 6F, 6H, 6I,</p>	<p>Component Fabrication</p> <p>All-up Configuration of Vehicle</p> <p>Flight Readiness Review</p> <p>Standard Operating Procedures/Safety Analysis</p> <p>Test Preparation</p> <p>Test Vehicle (Fredericksburg)</p>



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Resources

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
SystemsGo	SystemsGo	SystemsGo	SystemsGo