



**Scientific Research and Design 2 (Senior Year)**  
**Year at a Glance (YAG)**  
**2024-2025**



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

Resources

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