Engineering design and problem solving
(Junior Year)
Year at a Glance (YAG)
2024-2025

First Semester		Second Semester	
1st Nine Weeks – 40 days		**3rd Nine Weeks – 45 days**	
TEKS 1A, 1B, 2A-2G, 2J, 2K, 3B, 3D, 3D, 4B, 4D, 4E, 5A-5I, 6A-6F, 6I,	History of Rocketry Part 1, 1000BC - 1945 Evaluation History Of Rocketry Part 2, 1940's - 1950' Evaluation History of Rocketry Part 3, 1950's - 1960' Evaluation Shop and Launch Safety and Procedures (Evaluation Problem Analysis/Design Theory	**TEKS** 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
2nd Nine Weeks – 43 days		**4th Nine Weeks – 45 days**	
TEKS 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	**TEKS** 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 Test Preparation Test Vehicle (Fredericksburg)

Resources

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