

6th Grade STEM SYLLABUS

Course Title: M/J STEM Astronomy and Space Science #2001025

Grade Level: 6th grade

Textbook: None

This course will be presented through lectures, web resources and hands-on activities.

Instructor: Mrs. Overdorff

Length of Course/Credits: Semester Long/ 0.5 credits

Course Materials Fee: \$15

Description: This course is an integrated Science, Technology, Engineering and Mathematics (STEM) course for 6th grade. This course is designed to foster a learning environment in which students are guided to produce original ideas and objects using Astronomy and Space as the basis of investigation. Students will be given the opportunity to develop skills and understanding of course concepts through projects and problem based learning. Group activities and hands-on projects are the backbone of this course. No prior knowledge is needed to be successful in this course.

Please be aware that during this semester I plan to show video clips and full educational videos. I preview and vet all videos both clips and full length. They are used to enhance and enrich the STEM course content. A movie permission form will be sent home in your student's homeroom. Please make sure you sign and return this form.

Course Content: (not in order)

- * Rockets – Straw and Air Powered
- * Earthquake buildings
- * Wind Power
- * Stop Motion Animation
- * STEM Careers
- * Other various contests throughout the year

Grading Procedure:

Tests: 35%

Projects, Performance and Labs: 35%

Homework, Participation and Class Work: 30%

Scale:

A 100 - 90

B 89 - 80

C 79 - 70

D 69 - 60

F 59 - 0