



Flight and Space

Term: Fall 2024

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Course Description & Materials

The exciting world of aerospace comes alive through the Flight and Space unit. For 18 weeks, students become engineers as they design, prototype, and test models to learn about the science of flight and what it takes to travel and live in space. They solve real-world aviation and space challenges and plan a mission to Mars.

Required Materials

1 Composition Book
Pens / Crayons / Pencils
\$10.00 Lab Fee

Course Overview

Course Purpose and Objectives

Flight and Space engages students in middle school STEM curriculum that not only builds knowledge and skills in areas including computer science, engineering, and science, but also empowers students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration, and perseverance.

Course Policies

Attendance

I urge students to not miss any days. Life sometimes has unexpected events, however all work, projects, and tests have to be completed for a passing grade.

Assignment and Grading

The final course grade are calculated as:

- Quizzes 20%
- Tests 30%
- Projects 40%

Grades are based on the following criteria:

- A = Exceptional work: conceptually appropriate, demonstrates strong creative thought, goes above and beyond peer work, precisely executed, instructions followed to the letter.
- B = Work executed with no errors, conceptually appropriate, and demonstrates good creative thought.
- C = Average work, meets minimum requirements, and no errors.
- D = Below average work, sloppy, few errors
- F = Failed to meet minimum requirements of the problem, instructions not followed.

Grading Scale

Final grades will be given according to the following scale:

A: 100-90

B: 89-80

C: 79-70

D: 69-60

F: 59-0

Late Work Policy

Students are allowed 5 days to make up work. Under circumstances, I will allow for more days.

Rules

I expect our students to follow the rules laid out in our student handbook.

Changes to the Syllabus

While the provisions of this syllabus are as accurate and complete as possible, your instructor reserves the right to change any provision herein at any time. Every effort will be made to keep you advised of such changes, and information about such changes will be available from your instructor.