Falling with Style: The History and Science of Flight

Course Description

In this course we will examine the development of flight. We will begin by looking at how nature solved the problem of flight and analyze anatomical structures that allow various animals to achieve it. We will follow our investigations by applying those same principles to the flying machines created by humans. Through a scientific lens we will look at both powered and unpowered flight and seek to find ways to improve it through several hands on projects. From an historical perspective, we will examine the development of flight in human history and seek to understand how it has impacted the development of society.

This course may be taken for science, history, or elective credit. It satisfies the “expeditionary learning” credit at Roy Chapman Andrews Academy.

Units

* Nature
* Gliders and Hang Gliders
* Airplanes
* Balloons
* Helicopters
* Parachutes and Wingsuits
* Rockets

Resources

* Your teachers, Mr. Jobb and Ms. Watson
* Your classmates – Seriously, you can help each other
* Homework club occurs every Tuesday from 3:00-4:00 in room 15
* The class website (<http://mrjobb.weebly.com/history-and-science-of-flight.html>) where you can find any materials you may have missed.