CURRICULUM SYLLABUS

COURSE TITLE: Aerospace Science: History GRADE: 9-12

OBJECTIVES OF ALL AEROSPACE SCIENCE ROTC COURSES:
The overall objectives for all Aerospace academics are to develop:

a. An appreciation of the basic elements and requirements for national security.
b. Respect for and an understanding of the need for constituted authority in a democratic society.
c. Patriotism and an understanding of their personal obligation to contribute toward national security.
d. Broad-base knowledge of the aerospace age and fundamental aerospace doctrine.
e. An interest in completing high school and pursuing higher educational goals or skills.
f. An understanding of the Air Force and military as a possible career path.

COURSE DESCRIPTION:
A history course designed to acquaint the student with the historical development of flight and the role of the military in history. U.S. history is covered with emphasis on the politics and the causes of U.S. engagements from the Revolutionary War to the Persian Gulf War, and the role of the military throughout the history of the United States. Additional emphasis is spent on the development of flight from ancient legends through the Persian Gulf War.

COURSE EXPECTATIONS:
The student will:

1. Know the legends of people's attempts to fly in ancient civilizations throughout the world and the first record of scientific study, first flights, and the impact aviation had on the conduct of war during the period 1775-1898.
2. Know the United States' position at war time and how wars brought about the development of new weapons, new methods of warfare, new aircraft, more pilots, and the need for pilot training. Know the effects of these same advancements. (Revolutionary War, Spanish-American War, War of 1812, Mexican War, WWI, WWII, Korean War, Vietnam Conflict, Panama and Grenada engagements, and Persian Gulf War)
3. Understand the U.S. policy of containing the spread of communism and the roles of air power during the Korean War, the Cuban Missile Crisis, and the Vietnam War.
4. Know the peaceful roles and missions in support of national objectives that the military is involved in, and the value of air power during the Persian Gulf War.

TEXTBOOK: Aerospace Science: The Science of Flight

MAJOR ASSIGNMENTS: Student workbooks, essay papers, class briefings, term project.

GRADING AND ASSESSMENTS: Grade is combined with a Leadership I/II/III/IV grade. Chapter tests, mid-terms and finals.