

TODD BEAMER HIGH SCHOOL (TBHS) AIR FORCE JUNIOR ROTC PROGRAM (SCHOOL YEAR 2006-2007)

Although TBHS students can complete one year of class in one semester, AFJROTC is a four-year program. Therefore some cadets may have to be in "reserve cadet status" (active in AFJROTC but not taking an academic class) during one semester of the year in order to participate in AFJROTC activities when they are not enrolled in an AFJROTC academic class. THERE IS NO MILITARY COMMITMENT IF A STUDENT ENROLLS IN AFJROTC.

FALL/SPRING SEMESTER:

- **Aerospace Science III – Exploration of Space and Introduction to Astronomy** (Open to 9th, 10th, **11th, & 12th grades)

18 Week Course

1.0 Elective Credit

Course Description: This AFJROTC course examines the Earth, the Moon and the planets; reviews the latest advances in space technology; and, discusses the continuing challenges of space and manned spaceflight. Students will learn about orbits and trajectories, unmanned satellites, space probes, and guidance and control systems. The manned spaceflight section covers major milestones in our successful efforts to land on the Moon and to safely orbit humans and spacecraft for extended periods of time. Finally, this course outlines the development of space stations, the Space Shuttle and its future, and international laws governing the use of and travel in space. The astronomy portion of this course will guide students through the history of astronomy, give them a closer look at the Earth and the Moon, and give them a peek at our solar system and the cosmos.

- **Leadership Education III – Life Skills**

Course Description: This AFJROTC course runs currently with the Aerospace Science III course. This class emphasizes leadership development. Students will also explore higher education opportunities and learn about the admissions process. There will also be a section on researching careers in the federal government, the military, and the civilian sector. Finally, cadets will have an opportunity to discuss other life skills topics including financial planning, investing, managing credit, contracts, leases, wills, legal notices, searching for an apartment, grocery shopping, jury duty, voting, and registering for the draft. Students must wear the uniform once each week.

SPRING SEMESTER ONLY:

- **** Aerospace Science IV – Options Program**

(Required for 11th graders who have already completed three academic years of AFJROTC – Aerospace Science I, II, & III)

18 Week Course

1.0 Elective Credit

Course Description: This course is unique from other AFJROTC courses, because there are various curriculum tracks that the instructor can follow: management of the corps, honors ground school, geography, survival, and policy and organization. Experienced cadets will actively participate in a significant leadership position in order to apply the leadership principles they learned in previous AFJROTC leadership classes – they will help manage the entire cadet corps. The honors ground school (if approved) involves a more in-depth study of previous aerospace topics and provides a foundation for cadets who are interested in receiving a private pilot's license. The geography portion of this course adds to a student's basic knowledge of the Earth's surface and the processes that shape it. The survival curriculum presents "good-to-know" information that is useful in any situation. Finally, the policy and organization class describes the functions of the four branches of the military and discusses the presidential administrations from 1970 to 2002.

- **Leadership Education IV – Principals of Management**

Course Description: This AFJROTC course runs currently with the Aerospace Science IV course and will help students form a strong foundation for leading others. This class focuses on four areas of management including management techniques, decision-making, management functions, and managing self and others. Cadets will also learn how to work effectively on their own and within groups. Students must wear the uniform once each week.

Co-curricular activities supplement all AFJROTC courses and may include field trips, aircraft flights, armed/unarmed drill teams, rocketry and radio-controlled aircraft clubs, obstacle courses, fund-raising, community service, military balls, formal dinners, and/or a week-long leadership school.

Uniforms and textbooks are provided. Students must protect and maintain the uniform. A cleaning deposit is required at the beginning of the year to cover the cost of cleaning at the end of the year. Students pay for the day-to-day cleaning.

Career-minded cadets may be eligible to enter the military at a higher rank than other enlistees. University-bound cadets – AFJROTC participation is noted when being considered for AFROTC scholarships.