



## Air Force Junior Reserve Officer Training Corps (AFJROTC) Program

**Mission: To develop citizens of character dedicated to serving their nation and community**

### Program Course Overview

#### **AEROSPACE SCIENCE (40%)**

Aerospace Science acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, geography, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry and survival.

#### **Courses offered for Aerospace Science:**

**Corps Management:** This course provides exposure to the fundamentals of management. Cadets apply theories and techniques learned in previous leadership courses, analyze how to develop leadership and management competency through participation, analyze strengthened organizational skills through active incorporation, evaluate how to develop confidence in ability by exercising decision-making skills and evaluate Air Force standards, discipline and conduct.

**Survival:** The *Survival* textbook is a synthesis of the basic survival information found in Air Force Regulation 64-4 *Survival Training*. The survival instruction will provide training in skills, knowledge and attitudes necessary to successfully perform fundamental tasks needed for survival.

**Aviation Science – A Journey into Aviation History:** This is an aviation history course that focuses on the development of flight throughout the centuries. It starts with ancient civilizations then progresses through time to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power and rockets.

**Exploring Space – The High Frontier:** The course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. It provides an in-depth study of the Earth, Sun, stars, Moon and Solar System, including the terrestrial and the outer planets. It discusses issues critical to travel in the upper atmosphere, such as orbits and trajectories,

unmanned satellites and space probes. It investigates the importance of entering space and discusses manned and unmanned missions, focusing on concepts surrounding spaceflight, space vehicles, launch systems and safety.

**Cultural Studies – An Introduction to Global Awareness:** This course introduces students to the world's cultures through the study of world affairs, regional studies and cultural awareness. The course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns and human rights. It looks at major events and significant figures that have shaped each region.

## **LEADERSHIP EDUCATION (40%)**

Leadership Education is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drills and ceremonies.

### **Courses offered for Leadership Education:**

#### **Leadership Education 100: Traditions, Wellness, and Foundations of Citizenship**

LE 100 is intended for students who are entering the AFJROTC program and beginning their high school studies. It will introduce cadets to history, organization, mission, traditions, goals and objectives of JROTC for all services. It introduces key military customs and courtesies, how to project a positive attitude, and the principles of ethical and moral behavior. It provides strategies for effective note-taking and study skills for academic success. Avoiding and preventing violence in today's society will also be covered as well as how to recognize and prevent types of bullying. It will cover healthy living, physical fitness, and how to make safe, drug-free and responsible decisions. The course will also examine the negative effects of air and water pollution and how to help keep the environment safe. Cadets will be introduced to civics and our national government, including a historical understanding of the American flag and other important national symbols. The course will also cover how the US Constitution protects our rights and freedoms as American citizens.

#### **Leadership Education 200**

Leadership Education 200 stresses communications skills and cadet corps activities. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

#### **Leadership Education 300**

Life Skills and Career Opportunities course provides an essential component of leadership education for today's high school students. This course is designed to prepare students for life after high school in the high-tech, globally-oriented and diverse workplace of the 21st century. Students will learn how to become a more confident financial planner and to save, invest, and spend money wisely as well as how to avoid the credit trap. They will learn about real-life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money-saving strategies for grocery shopping, apartment selection, and life with roommates.

#### **Leadership Education 400**

This course provides exposure to the fundamentals of management related to skills involved in planning and decision making; managing change, stress and innovation; understanding

the key elements of individual and group behavior communication process and characteristics of a good leader.

#### **Leadership 500: Drill and Ceremonies**

The Drill and Ceremonies course is based upon Air Force Manual 36-2203, dated 20 November 2013. It provides an in-depth introduction to Air Force drill and ceremonies. The course concentrates on the elements of military drill and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades and development of the command voice.

### **WELLNESS PROGRAM (20%)**

Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives.

It consists of two exercise programs focused upon individual base line improvements with the goal of achieving a national standard as calculated by age and gender. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education 100 and other activities cadets enjoy, such as team sports, in order to keep the Wellness Program fun and motivating. Cadet fitness improvement is rewarded, either by earning the Wellness Ribbon, Physical Fitness Award, or both.

#### **Week at a Glance**

**Monday:** Aerospace Science Curriculum

**Tuesday:** Aerospace Science Curriculum  
(Includes weekly lesson quizzes)

**Wednesday:** Leadership Studies

**Thursday:** Uniform Inspection / Drill Practice

**Friday:** Fitness

### **More than Just a Classroom Experience!**

Cadets do so much more than classroom activities and coursework. They are involved in their school and local area communities in all sorts of fun and exciting ways. There are **special teams** – Drill, Physical Training, Color Guard and Community Service Teams – that are routinely out in the community displaying their skills.

The **community service** opportunities for cadets are endless. Cadets perform service both in and away from school. Some examples are maintaining the landscaping in the school's gardens, assisting during conference nights, helping out at SPPS elementary schools and staffing the SPPS School Choice Fair in the St Paul RiverCentre. This is only a small sampling of events; there are MANY MORE throughout the course of the school year.

Another important part of the AFJROTC program is the "**Curriculum in Action**", or field trips. A minimum of two trips are scheduled each school year. Some examples of places the AFJROTC corps visits include museums, local military installations and civilian airports. During these tours cadets are able to see first-hand how what they learn in school takes place in every-day life.