

AFJROTC DETACHMENT NE-771
COURSE SYLLABUS



Course: Aerospace Science I
BELLEVUE WEST HIGH SCHOOL
BELLEVUE, NEBRASKA

STUDENT ACADEMIC COURSE OUTLINE

INSTRUCTORS: Colonel Stephen (Scott) Vanderhoof

SMSgt Guy Hale

SUBJECT AREAS:

Aerospace Science I: A Journey into Aviation History

Leadership Education I: Traditions, Wellness, and Foundations of Citizenship

Health and Wellness Program: Health

GOALS:

Aerospace Science I – A Journey into Aviation History

This course gives the members of Junior Reserve Officer Training Corps (JROTC) a basic knowledge of the origins and development of today's aerospace world. It provides information on aviation history; how it began, how it has impacted our military forces of today, and how it will continue to impact it in the future.

This is an introductory level course which supplements and complements the required 9th grade history courses at Bellevue West High School. The video series "Legends of Airpower" is used extensively to complement the text or provide a multimedia alternative to selected readings.

Leadership Education I – Traditions, Wellness, and Foundations of Citizenship

Leadership Education I will introduce cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program. It will also introduce cadets to military traditions, citizenship, wellness, health and fitness and show how to exercise self-control.

The first unit is an introduction to JROTC Programs. The second unit covers personal behavior. Unit three covers areas of health. Unit 4 is making safe, drug-free decisions. Finally, Unit 5 covers the foundations of United States citizenship.

Health and Wellness Program – Traditions, Wellness, and Foundations of Citizenship; Health

This course is designed to motivate JROTC cadets to lead active and healthy lifestyles beyond basic program requirements and into their adult lives. The AFJROTC exercise program is developed around individual base line improvements with the focus of achieving a national standard as calculated with age and gender. Health requirements mandated by the Bellevue Public Schools are also covered. Completing this course fulfills the graduation requirement for a Health credit.

COURSE OBJECTIVES:

Aerospace Science I – A Journey into Aviation History

The students will:

Know the historical facts and impacts of the early attempts to fly.

Know the major historical contributors to the development of flight.

Know the contributions of the U.S. Air Forces to modern aviation.

Know the key events of space exploration history.

Leadership Education I – Traditions, Wellness, and Foundations of Citizenship

The students will be able to:

Analyze the heritage, organization, and tradition of service programs.

Analyze the benefits of positive personal behavior.

Evaluate healthy living through physical activity and good nutrition.

Apply safe, drug-free decisions.

Analyze the importance of citizenship in the United States.

Students completing JROTC I will meet the requirements for a health credit as required for graduation by Bellevue Public Schools.

Health and Wellness Program

The students will:

Create individualized training programs based on national standards by age and gender.

Identify areas of improvement.

Incorporate a physical training program to reach individual goals.

REQUIRED TEXT AND MATERIALS:

Aerospace Science I – A Journey into Aviation History

Unit 1: Imagining Flight

Chapter 1: Ancient Flight

Unit 2: Exploring Flight

Chapter 2: Pioneers of Flight

Chapter 3: Expanding the Horizon

Unit 3: Developing Flight

Chapter 4: The Early Air Force

Chapter 5: Commercial Flight

Chapter 6: The Modern Air Force

Unit 4: Extending Flight

Chapter 7: Astronomy and Space

Chapter 8: Exploring Space

Leadership Education I – Traditions, Wellness, and Foundations of Citizenship

Chapter 1: Introduction to JROTC Programs

Chapter 2: Personal Behavior

Chapter 3: Be Health Smart

Chapter 4: Making Safe, Drug-Free Decisions

Chapter 5: The Foundations of United States Citizenship

AF Manual 36-2203, Personnel Drill and Ceremonies, V-2627

Chapters 1 – 3

- Student

Workbooks

- Selected

Video Tapes

- Cadet Guide

Health and Wellness Program - Traditions, Wellness, and Foundations of Citizenship; Health

TECHNIQUES AND METHODS OF INSTRUCTION:

Lecture/Discussion

Guided discussion

Text assignments

Practical exercises

Oral/written presentations

Uniform inspections

Audiovisual/Computer aided learning

Special Considerations: Students who require assistance with learning needs are a special concern. These students will receive instructor support in order to achieve desired levels of performance.

STUDENT EXPECTATIONS AND CONDUCT:

In addition to the rules of Bellevue West High School, each student is expected to follow the guidelines outlined in the NE-771 AFJROTC Cadet Handbook and the Cadet Student Agreement which must be signed by both the cadet and parent/guardian.

Each cadet is expected to arrive to class on time.

Cadets are expected to come to class with all course materials, paper and writing implement.

NO food, drink (except water), or gum is permitted in the classroom.

EVALUATIONS

The cadet's AFJROTC overall grade will be a combination of formative (30%) and summative (60%) evaluations, with semester exams counting for 10% of the overall grade. Formative assessments may include quizzes, homework/worksheets, and fitness participation. Summative assessments may include uniform inspections, fitness testing, military ball attendance, fitness testing, parade participation, change of command attendance, parade participation, and citizenship (leadership, class participation, community service, etc.)

Corps participation will be assessed on an individual basis dependent on individual cadet schedules and efforts to participate in corps activities. Leadership will be based on participation of cadets in the administrative/direction of the operation of corps functions. Uniform evaluations will be based on weekly uniform inspections.

Uniform Inspections

Wear of the AFJROTC Cadet Uniform is **MANDATORY** once a week to all classes. Improper or disrespectful wear of the uniform and /or not wearing the uniform to all classes on corps day will result in an inspection score of zero. Uniforms must be worn within the next 2 days after a missed corps day in order to receive partial (80%) credit for uniform wear.

Weekly uniform inspections will be conducted with a possible score of 50 points for each inspection. The inspections will be conducted using the standards in AFI 36-2903 and AFJROTCI 36-2001. These standards are listed in the NE-771 Cadet Handbook. The cadet inspection checklist will be annotated with any discrepancies discovered during the inspection.

District Grading Scale:

A	90-100
B	80-89
C	70-79
D	60-69
F	Under 60

Homework/Make-up Policy

It is the cadet's responsibility to find out what work was missed due to a class absence of any type.

Course work is to be turned in the day it is due. Late work can be completed by the end of the unit, without penalty.

Cadets are expected to be in uniform the first day back to class if they miss a required Corps Day (refer to the NE-771 Cadet Handbook for further guidance).

Formative/Summative Retake Plan:

Relearning Plan: Students will write a short paragraph on each missed item to show they reviewed the material before being allowed a retake.

Time Frame: Uniforms must be worn the next two days to receive credit for uniform wear.

Quiz retakes must be finished by the end of the unit (before the test).

Test retakes must be finished before the end of the semester.

Re-Assessment Format: The retake will be identical to the original assessment (no changes)

Assessment Retake Grading Plan: Students who complete a retake will receive full credit (no penalty)

Late Work Plan:

Late work can be completed by the end of the unit, without penalty

Tardy Policy

Students late to class (any time after the class bell rings) are considered tardy. Unexcused tardiness of five or more times will be reported to the school for appropriate consequences. Failure to show will be dealt with by the appropriate dean for that grade level.