



# Chandler Unified School District

AFJ200 Science of Flight AS200

SY 2024-25



## Course Overview

### Course Description

Air Force Junior Reserve Officer Training Corps (AFJROTC) II courses include both aerospace studies and leadership/life skills education. In these courses, leadership/life skills lessons cover intercommunication skills, drills, and military ceremonies. Aerospace topics emphasize the science of flight, including factors of aerospace power, aircraft flight, and navigation.

### Paired Leadership Course

LE200 Communication, Awareness, and Leadership

### Prerequisite/Fee(s)

None

### Course Materials

Running shoes for PT; Coyote Brown combat boots if OCP fatigue uniform desired (optional uniform);  
Course Fee: \$20 payable to the bookstore by end of August 2024

### Adopted Resource(s)

Aerospace Science (AS): The Science of Flight: A Gateway to New Horizons (2012)

Leadership Education (LE): Communications, Awareness, and Leadership, 2nd Edition (2016)

AZ-20021 Cadet Guide

Department of the Air Force Pamphlet 34-1203, Drill and Ceremonies

Department of the Air Force Instruction 36-2903, Dress and Appearance of Air Force Personnel

*\*An asterisk indicates a resource containing sexually explicit materials per legislative definitions. CUSD has determined that all the above resources are of exceptional educational value.*

## Site and Faculty Information

### School name and address:

Basha High School, 5990 S Val Vista Dr, Chandler, AZ 85249

### Building principal:

Marques Reischl

reischl.marques@cUSD80.com

### Teacher:

Cliff Stansell, Colonel, USAF (Ret) Masters x 3

stansell.clifford@cUSD80.com

Office hours: 1415-1515

## Course Access

This course is taught in-person at Basha High School. Students will have access to the curriculum and instruction in the classroom. Google Classroom is the primary location for students to access material when absent from classes taught in person.

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## Help

### Academic Support

- Contact the teacher to schedule an appointment during office hours
- [Ed Tech](#) support for students, parents/guardians, and community link ([cusd80.com/Page/45109](https://cusd80.com/Page/45109))

### Mental Health Support

- CUSD mental health support [cusd80.com/Domain/10528](https://cusd80.com/Domain/10528) or 480-573-8808 (talk or text)
- Suicide & Crisis Lifeline: 9-8-8 hotline
- 24-hour Crisis Line Talk: 602-222-9444, Text: 741-741

## Student Conduct, Success, and Responsibilities

### Student Handbook

Students must follow the policies and procedures in the [Student Handbook](#). Copies of the handbook can be found at <https://www.cusd80.com/Page/533>, and printed copies will be provided upon request.

### Student Responsibilities

**Class Attendance:** Class attendance and participation demonstrate your level of commitment, reflects your character, and your ability and willingness to accept responsibility. Therefore, unexcused class absences will be regarded as a failure to accept and meet individual responsibility.

**Tardiness:** Classes will begin and end on time. Cadets are expected to be in their seats and ready to participate when the bell rings. Cadets who arrive late without a pass will be counted as tardy. If a cadet is tardy four times in a semester, they will be referred to administration for further disciplinary action. Be responsible---don't be tardy.

**Uniform Wear:** You are required to wear your uniform on designated uniform wear days. Wear of the uniform is 25% of your overall grade. Reference your Cadet Guide for additional instructions. First year cadets are required to wear only the informal uniform (Corps shirt and long pants, closed toe shoes) during the 1st semester.

**Personal Appearance:** Sunglasses, ear buds/headphones and hats are not allowed in the classroom. The school dress code will be adhered to and enforced, to the letter, without exception. (Note: For additional information concerning the dress code, reference your Student Handbook)

**Classroom Conduct:** Strict adherence to customs and courtesies is essential to the success of your learning experience. Classroom conduct is basically the same as any other classes you may have, with one exception: you are expected to follow the directions of your class section leader. Profanity is strictly prohibited. Food, drinks and gum are not permitted in class. Water is allowed.

**Academic Freedom:** Academic freedom is recognized in class. To enhance intellectual and perhaps controversial discussion, there will not be any type of reprisal for students stating their opinions. Cadets will ensure that stated personal opinions are not offensive to other students. Mutual respect will be maintained at all times. Open, frank discussion is encouraged; however, mature common sense is expected.

**Academic Integrity:** Integrity is a Core Value. As a cadet in an academic environment you must demonstrate unquestionable integrity, "do the right thing even when no-one is looking." Plagiarism and cheating are but two examples of behavior that reflect a lack of integrity and very poor judgment. This type of conduct is ZERO tolerance and will be cause for an immediate investigation that may result in a failing grade for this course. Strict adherence to the Cadet Honor Code is required and expected.

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Reference your Cadet Guide for additional information.

**Examinations:** There will be four examinations: an examination prior to each progress report (2 each), and a final. Examinations may consist of multiple-choice, fill in the blank, and short answer/essay type questions taken directly from each lesson, your textbooks, classroom discussions, lectures, and current events.

**Class Participation:** You are expected to come to class prepared to intelligently discuss assigned material. Cadets are required and expected to have all appropriate textbooks for each specific class. In several cases you will find that current events center directly on your assigned readings. As a student, citizen, and cadet, you have a significant vested interest in the events that shape the world you are attempting to enter.

**Extra Credit Work:** Extra credit points may be awarded for work such as an article for the school or local newspaper, book reports, and cadet corps event participation.

### **Late work**

Late work MAY be accepted after coordination with the instructor and their approval.

## **Assessments and Assignments**

Students will complete assessments during each unit of study to assess their understanding. At the end of the first and second semesters, students will complete the CUSD Common Final. The Common Final will count for 20% of the student's final semester grade in grades 9-12 and 10% in grades 7-8 (some exceptions may apply at the Junior High level). Common finals will be in ELA, Math, Science, Social Science, and World Language.

Final exams will be given during the CUSD Jr High/High School Early Dismissal days in December and May, as identified on the [District Calendar](#).

If students are requested to participate in a survey, the survey questions will be provided to parents/guardians seven days before student contact.

## **Grading**

### **Grade Percentage**

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

### **Quarter grades**

Grading Policy: Point values for course requirements are:

Assignments/Exams	100 points	25% of Qtr grade
Wellness Program/PT	100 points	25% of Qtr grade
Uniform/Drill/Participation	100 points	25% of Qtr grade
Military Bearing	100 points	25% of Qtr grade
Semester Exam	100 points	20% of grade

TOTAL: 500 points

### **Semester grades**

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Semester grades are calculated using 40/40/20: Each quarter accounts for 40% of the semester grade and the final exam accounts for the remaining 20%.

## Units of study

### Units for AFJ200 Science of Flight AS200

*\*An asterisk will indicate a unit of study containing sexually explicit materials per legislative definitions.*

COURSE DESCRIPTION Aerospace Science: Milestones in Aviation History is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations and 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. Throughout the course there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the course material presented. 1st Semester: Chapters 1-3 2nd Semester: 4-6

Leadership Education: The study and performance of Air Force customs and courtesies, leadership styles, personal development skills, study habits, time management/personal organization, personal appearance, self-image, health awareness, drill and ceremonies, military commands and a strong focus on attitude and discipline. Cadets will comprehend the importance of adhering to Air Force Core Values and participate in the same events as the AS 200, 300, and 400 level cadets while applying Air Force customs and courtesies and dress and grooming standards. (Integrated into Aerospace Science) 1st Semester: Chapters 1-3 2nd Semester: 4-5 & Drill

Drill and Ceremonies: As a part of Leadership Education (LE) course instruction, cadets will become proficient in formation marching, drill of the flight, individual facing movements, and military commands. There will be a strong focus on attitude and discipline. The drill and ceremonies portion of leadership education will take place in both a classroom setting and on the drill pad during LE 100 class time.

Wellness Program: It is AFJROTC policy that cadets are capable of participating in the school's standard physical education program as a condition for admission into the cadet corps. Both Title 10 USC and DOD Instruction 1205.13 reference the enrollment requirement of physically fit students. The AFJROTC wellness program at Basha High School is designed to develop leaders of character who are physically and mentally tough by engaging cadets in activities that promote and enhance a healthy life style, physical fitness, movement behavior, and psychomotor performance. Wellness class (WP 100) will be held weekly. Uniform for the Wellness Program class is the issued AFJROTC PT uniform. All students are required to "dress out" for the Wellness Program class in the prescribed uniform. You will be evaluated at the beginning of the semester and again at the end of the semester in several fitness areas. This portion of the program is worth 20% of your overall grade.

TEXTS Aerospace Science Milestones in Aviation History (Textbook) Leadership Education Traditions, Wellness and Foundations of Citizenship (Textbook) Drill and Ceremonies/Learn to Lead

COURSE OBJECTIVES Aerospace Science 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 Force to modern aviation history Leadership Education Know the Importance of AFJROTC history, mission, purpose, goals, and objectives. Know military traditions and the importance of maintaining a high standard of dress and personal appearance. Know the importance of attitude, discipline, and respect, and why values and ethics are so important. Know the importance of individual self-control and that an effective stress management program improves the quality of life. Know why courtesies are rendered to the United States flag and the National Anthem. Know why it is important to be a good democratic citizen and to be familiar with the different forms of governments. Wellness Program Develop cadets to be leaders through a challenging physical education and sports program Provide cadets with positive moral-ethical training and developmental opportunities Develop in cadets the qualities of initiative, courage, confidence, teamwork, self-sacrifice, and a will to win Develop cadet knowledge of exercise science Develop optimal cadet physical fitness in a sequential, developmental, and progressive four-year program Teach cadets lifetime fitness and activity skills and knowledge

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Signature Page - *Please return this page to your student's teacher.*



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**Site:** Basha High School

**Building Principal:** Marques Reischl, reischl.marques@cusd80.com

**Teacher:** Cliff Stansell, Colonel, USAF (Ret), stansell.clifford@cusd80.com

## Parent/Guardian

### Acknowledgment

Parents/Guardians must specify their approval by selecting "Acknowledge" or "Potential Conflict" for their student's involvement in the units of study. Please note students cannot decline participation in standards-based units. The teacher will reach out regarding options if "Potential Conflict" is selected.

**Unit of study**

**Acknowledge**

**Potential  
Conflict**

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Citizenship (Textbook) Drill and Ceremonies/Learn to Lead **COURSE OBJECTIVES**

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**By signing and returning this form**, the parent/guardian acknowledges they have reviewed the resources and units of the study included in the syllabus.

- ☐ As the parent/guardian, I understand I may contact the teacher with questions on resources, content, or units of study at any time during the school year and view my student's grades in Infinite Campus.

Student name (printed)

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Student signature

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Parent/Guardian name (printed)

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Parent Signature

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Date

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