AFJROTC Curriculum Plan

Aerospace Science 100: *Milestones in Aviation History*
Grade 9
Full year, 1 credit
Prerequisite: None

Aerospace Science: *Milestones in Aviation History* is a course that covers the development of flight throughout the centuries. It all starts with an examination of ancient civilizations and flight, then progresses through time to future developments in aerospace, with an introduction into cyber technologies.
Our intent is to bring alive the significant discoveries and inventions that have made flight possible for today and beyond. We will also focus on the people who helped make these discoveries in flight a reality. Short profiles and videos of famous people who have played significant roles in aviation are also included. This course lays the foundation for future AFJROTC aerospace science courses. Our goal with *Milestones in Aviation History* is to stimulate an interest in aerospace technology.
Aerospace Science (AS) comprises 40% of total class time. (1/2 elective credit per semester) *

Leadership Education: *Traditions, Wellness, and Foundations of Citizenship* 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 examine the principles of ethical and moral behavior. It provides strategies for effective note taking and study skills for academic success. Lessons will cover how to be emotionally, mentally, and physically healthy. Avoiding and preventing violence in today's society will also be covered. How to recognize types of bullying and how to advocate for prevention of this type of behavior. It will cover healthy living, physical fitness, and how to make safe, drug-free, and responsible decisions. Cadets will be introduced to civics and our national government, including a historical understanding of the American flag and other important national symbols, as well as the US Constitution that protects our rights and freedoms as American citizens. Leadership Education (LE) comprises 40% of total class time. (Integrated into Aerospace Science)

Wellness Program: It is AFJROTC policy that cadets be capable of participating in the schools' standard physical education program as a condition for admission into the cadet corps. Both Title 10 USC and DODI 1205.13 reference the enrollment requirement of physically fit students.

The AFJROTC wellness program at Chandler 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 lifestyle, physical fitness, movement behavior, and psychomotor performance. Wellness class (WP 100) will normally be held every Friday. Uniform for the Wellness Program class is the issued AFJROTC PT uniform. All students are required to "dress out" for their Wellness Program class in the prescribed uniform. The goal of the wellness program is to motivate cadets to lead active, healthy lifestyles beyond program requirements that continue into their adult lives. Focus is on individual base line improvements in each event to create an individual training/improvement plan. All cadets will be evaluated and graded on their 1-mile run time, as well as the number of pushups that they complete in 1 minute and the number

of sit-ups that they complete in 1 minute. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in their Leadership Education classes. The Wellness Program (WP) comprises 20% of your overall class time. (Integrated into Aerospace Science)

* Successful completion of three semesters of AFJROTC fulfills the Chandler High School graduation requirement for PE (physical education).

* This course is eligible for college elective credit from Adams State College or the University of Colorado, Colorado Springs (Check with your instructor for more information; must be 16 years of age at the time of enrollment)

Aerospace Science 200: *The Science of Flight* (second edition)
Grade 10
Full year, 1 credit
Prerequisite: None

Aerospace Science: "The Science of Flight: A Gateway to New Horizons", second edition, is an introductory course that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. This course is designed to complement materials taught in math, science physics, and other science related courses. The course delves into the principles of flight, explores how weather conditions affect flight, how flight affects the human body, and examines flight navigation with a focus on the purpose of navigational aids.

Cadets will gain a greater understanding of the science of flight. This knowledge can help cadets pursue a career in aviation, learn how to fly, and make them a more knowledgeable passenger on an airplane. Aerospace Science comprises 40% of total class time. (1/2 elective credit per semester)*

Leadership Education: *Communication, Awareness, and Leadership, second edition*, is a customized course designed to improve communication, enhance awareness of self and others, and provide fundamentals of leadership and followership. Focus is on the Air Force Junior Reserve Officer Training Corps (AFJROTC) mission to "develop citizens of character". Woven throughout is the underlying theme of developing personal integrity. The course emphasizes leadership, critical thinking, communication, collaboration, and creativity as well as the values of integrity, service, and excellence. Cadets have the opportunity to plan, organize, and participate in all Corps events with the AS 100, 300 and 400 level cadets while applying Air Force customs and courtesies and dress and grooming standards. Leadership Education comprises 40% of total class time. (Integrated into Aerospace Science)

Wellness Program: It is AFJROTC policy that cadets be capable of participating in the schools' standard physical education program as a condition for admission into the cadet corps. Both Title 10 USC and DODI 1205.13 reference the enrollment requirement of physically fit students. The AFJROTC wellness program at Chandler 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 200) will normally be held every Friday. Uniform for the

Wellness Program class is the issued AFJROTC PT uniform. All students are required to "dress out" for their Wellness Program class in the prescribed uniform. The goal of the wellness program is to motivate cadets to lead active, healthy lifestyles beyond program requirements that continue into their adult lives. Focus is on individual base line improvements in each event to create an individual training/improvement plan. All cadets will be evaluated and graded on their 1-mile run time, as well as the number of pushups that they complete in 1 minute and the number of sit-ups that they complete in 1 minute. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in their Leadership Education classes. The Wellness Program (WP) comprises 20% of overall class time. (Integrated into Aerospace Science)

* Successful completion of three semesters of AFJROTC fulfills the Chandler High School graduation requirement for PE (physical education).

* This course is eligible for college elective credit from Adams State College or the University of Colorado, Colorado Springs (See instructor for more information; must be 16 years of age at the time of enrollment)

Aerospace Science 300: *Exploring Space: The High Frontier* (second edition)
Grade 11
Full year, 1 credit
Prerequisite: None

Aerospace Science: "Exploring Space: The High Frontier" (second edition) is a science course in the high school sequence of Aerospace Science courses for Air Force Junior ROTC. It is intended to compliment the material taught in high school math, physics, and other STEM-related courses. This course provides students with the latest information on exploring space and an introduction to cybersecurity and technology. We begin with early astronomy and the basic interest in the universe from the Greeks through the Renaissance and Enlightenment ages. Students will experience an in-depth view of the solar system, including Earth, the Sun, the Moon, and planets. We will also examine the history of space travel and more modern space probes and robotics as well as the effects of space on the human body. Students will have the opportunity to investigate the history of rockets, launch vehicles, and the coordinated systems required for a successful launch into space. Cybersecurity is examined with a focus on the importance of cybersecurity in space and daily life. Aerospace Science (AS) comprises 40% of total class time. (1/2 elective credit per semester) *

Leadership Education: *"Fundamentals of Management"* (second edition) provides an essential component of leadership education for todays' high school students. This course is designed to provide students an introduction to basic management concepts and skills, especially as they relate to managing in a JROTC unit. Throughout the course there are individual and group activities, technology enrichment, readings, review questions, video segments, and assessments to guide in the reinforcement of the materials presented. The text includes: An Introduction to Management; Project Management; Planning---Laying the Foundation; Decision Making---Choosing Wisely; Organizing---Managing Time and Change; Leading-Managing Individual and Group Behavior; Understanding Work Teams; and Interpersonal Skills Leadership Education (LE) comprises 40% of total class time. (Integrated into Aerospace Science)

Wellness Program: It is AFJROTC policy that cadets be capable of participating in the schools' standard physical education program as a condition for admission into the cadet corps. Both Title 10 USC and DODI 1205.13 reference the enrollment requirement of physically fit students.

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*** Successful completion of 3 semesters of AFJROTC fulfills the Chandler High School graduation requirement for PE (physical education).**

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Aerospace Science 400: *Cultural Studies: An Introduction to Global Awareness* (second edition)

Grade 12
Full year, 1 credit
Prerequisite: None

Aerospace Science: "*Cultural Studies: An Introduction to Global Awareness"* (second edition) is a customized course about the world's cultures. Students are introduced 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. In this age when the Internet, trade, airplanes, satellites, and cell phones connect people everywhere, it's more important than ever to understand the world's cultures. Aerospace Science comprises 40% of total class time. (1/2 elective credit per semester)

Leadership Education: "Life Skills and Career Opportunities" (second edition) 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. The Holland Interest Inventory and other self-assessments will help them to reveal their attitudes, aptitudes, and personal skills. This self-understanding will allow them to explore career paths and understand requirements that they will need to be successful at work and in life. To help students increase their potential for success through education, they will learn how to select a school that is right for them; how to apply for admission to a vocational or technical school, community college, or college/university; and how to succeed in these learning environments. Information is provided on how to conduct a job search for students who wish to enter the workforce right after high school or after additional education and training. They will learn how to prepare a winning resume, and how to develop effective interviewing skills. Students will become more skilled at using the Internet for career research and learn how to network safely using social media. Information is also provided on working for the federal government to include careers in the military, aerospace industry, and public service. Students will consider the most important elements of life skills for all Americans: civic responsibilities, such as volunteering, registering to vote, jury duty, and draft registration. Leadership Education comprises 40% of total class time and is integrated into Aerospace Science.

Wellness Program: It is AFJROTC policy that cadets be 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 DODI 1205.13 reference the enrollment requirement of physically fit students.

The AFJROTC wellness program at Chandler 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 400) will normally be held every Friday. Uniform for the Wellness Program class is the issued AFJROTC PT uniform. All students are required to "dress out" for their Wellness Program class in the prescribed uniform. The goal of the wellness program is to motivate cadets to lead active, healthy lifestyles beyond program requirements that continue into their adult lives. Focus is on individual base line improvements in each event to create an individual training/improvement plan. All cadets will be evaluated and graded on their 1-mile run time, as well as the number of pushups that they complete in 1 minute and the number of sit-ups that they complete in 1 minute. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in their Leadership Education classes. The Wellness Program (WP) comprises 20% of your overall class time. (Integrated into Aerospace Science)

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Grades 9-12 Drill and Ceremonies: DAFP 34-1203, *Drill and Ceremonies (2022)*, and *Cadet Drill Guide, Learn to Lead (L2L),* provides an introduction to Drill and Ceremonies, concentrates on the elements of military drill, describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of command voice. Cadets are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn Air Force drill concepts and procedures. There will be a strong emphasis 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 Leadership Education class time.

Aerospace Science 500: *Competitive Drill Team and Honor Guard*
Grades 9-12
Full year, 1 credit
Prerequisite: Concurrent enrollment in AS 100-400

Competitive Drill Team/Honor Guard: provides an in-depth introduction to drill and ceremonies. This 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. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events. Each class follows an established lesson plan, most of the work is hands-on.

The mission of the Chandler High School Corps of Cadets Honor Guard is to represent AFJROTC to the American public.

The vision of the Chandler High School Corps of Cadets Honor Guard is to ensure a legacy of cadets who promote the mission, protect the standards, perfect the image, and preserve the heritage.

Honor Guard members are responsible for ensuring that they are physically and mentally prepared to flawlessly execute a mission that requires a deep devotion to duty and a strong sense of dedication. Through precise drill movements, immaculate uniform appearance and attention to detail, honor guard members display the integrity, service, and excellence expected of all members. They are continually presented with opportunities to challenge themselves as they attempt to assume the responsibilities associated with being an Ambassador in Blue. Each member is responsible for their level of personal and professional conduct and their personal and professional development; a level ultimately determined by the strength of their personal commitment. This provides an opportunity for each member to challenge themselves more than they ever thought possible; being entrusted to uphold extremely high standards, epitomize perfection in dress and appearance, customs and courtesies, and drill and ceremonies. Each member determines what they will become. It's all about attitude and commitment; to make the

impossible inevitable, to defy the limits of physical and mental endurance, with honor. Ultimately, “the beginning will determine the end."