

Syllabus

COURSE TITLE:

1st Semester- AS 100, *Milestones in Aviation History*; LE 200, *Communication, Awareness, and Leadership (Ch 1-4)*; (CADET STAFF) AS 400, *Leadership and Management of the Cadet Corps*; Drill and Ceremonies; STEM; Wellness

2nd Semester- AS 200, *The Science of Flight*; LE 200, *Communication, Awareness, and Leadership (Ch 5-8)*; (CADET STAFF) AS 400, *Leadership and Management of the Cadet Corps*; Drill and Ceremonies; STEM; Wellness

CREDIT HOURS

1 credit hour for JROTC per semester. A minimum of Three years of JROTC qualifies cadets to test for NOCTI certification.

INSTRUCTORS

William S. Lussier, Lieutenant Colonel, USAF (Retired)
Senior Aerospace Science Instructor
wlussier@Bessk12.org

William H. Walker, Master Sergeant, USAF (Retired)
Aerospace Science Instructor
whwalker@Bessk12.org

COURSE FEES

Each cadet is assessed a \$25 AFJROTC Activity Fee to cover additional costs of events such as Field Day, Bataan Death March, and other events and activities not covered through normal school or US Government funding. This fee is only required once per School Year (SY), whether the cadet takes one semester, or both.

OFFICE HOURS

Bessemer City High School is open from 0745 to 1545 (7:45am to 3:45pm). We are located in Room 0003 and 0004. We have an open-door policy for cadets, and they can stop by and discuss anything they need if we are available. We respectfully ask parents to check-in at the front office for appointments in our offices during the day per school policy.

TEXT/RESOURCE MATERIALS USED

All subjects will be provided in digital format through Google Classroom. During the year we will refer to Air Force instructions and other governing documents.

WEEKLY INSTRUCTIONAL SCHEDULE

Due to the multiple subject areas covered in AFJROTC, and in order to allow the cadets to properly prepare, AL-934 has developed a weekly schedule so that all the cadets know what subject is being covered on which day. The schedule is as follows: **Mon – AS; Tue – LE & Drill; Wed – AS; Thu – STEM & Drill; Fri - Wellness.**

Aerospace Science 100: Milestones in Aviation History

Chapter 1: Exploring Flight

Lesson 1: Ancient Flight

Lesson 2: Early Days of Flight

Lesson 3: Wright Brothers Take Off

Lesson 4: Pioneers of Flight

Chapter 2: Developing Flight

Lesson 1: Airpower in WWI

Chapter 3: The Evolution of the Early Air Force

Lesson 1: The Army Air Corps

Lesson 2: Airpower in WWII

Lesson 3: Significant Aircraft of WWII

Chapter 5: The US Air Force is Born

Lesson 1: Army Air Forces Become the US Air Force

Lesson 2: Military Aircraft Development After WWII

Lesson 3: Role of Airpower from Korea to Vietnam

Lesson 5: Global Interventions From 1990

Chapter 6: The Modern Air Force

Lesson 2: Significance of Stealth Aircraft

Lesson 3: Air Force of the Future

Aerospace Science 200: Science of Flight

Chapter 1: How Airplanes Fly

Lesson 1: Principles of Flight

Lesson 2: Physics of Flight

Lesson 3: Purpose and Function of Airplane Parts

Lesson 4: Aircraft Motion and Control

Lesson 5: Flight Power

Lesson 6 Aviation Innovations

Chapter 2: Working Through Flight Conditions

Lesson 1: The Atmosphere

Lesson 2: Weather Elements

Lesson 3: Aviation Weather

Lesson 4: Weather Forecasting

Lesson 5: The Effects of Weather on Aircraft

Chapter 3: Flight and the Human Body

Lesson 1: Human Physiology and Air Flight

Lesson 2: Protective Equipment and Aircrew Training

Chapter 4: Flying From Here to There

- Lesson 1: Navigational Elements
- Lesson 2: Navigational Aids
- Lesson 3: Dead Reckoning and Wind
- Lesson 4: Flight Instrumentation
- Lesson 5: Navigation Technology

Leadership Education 200: Communication, Awareness, and Leadership

- Chapter 1: Learning and Communication
 - Lesson 1: Learning to Communicate
 - Lesson 2: Learning to Listen
 - Lesson 3: Learning to think Critically
- Chapter 2: Communicating Effectively
 - Lesson 1: The Basic Checklist for Writing
 - Lesson 2: Writing Effectively
 - Lesson 3: Speaking Effectively
- Chapter 3: Understanding Your Attitude
 - Lesson 1: Interpreting Events and Experiences
 - Lesson 2: Developing a Positive Attitude
 - Lesson 3: What it Takes to be a Leader
- Chapter 4: Understanding Your Actions
 - Lesson 1: Integrity and Character
 - Lesson 2: Personality and Actions
 - Lesson 3: Consequences and Responsibility
- Chapter 5: Developing Vision and Teams
 - Lesson 1: Group and Team Dynamics
 - Lesson 2: Building Mutual Respect
 - Lesson 3: Establishing a Common Vision
- Chapter 6: Solving Conflicts and Problems
 - Lesson 1: Identifying Conflicts in Groups
 - Lesson 2: Steps for Problem Solving
 - Lesson 3: Building Consensus
- Chapter 7: A Leadership Model
 - Lesson 1: Introduction to US Air Force Leadership
 - Lesson 2: Leadership Characteristics
 - Lesson 3: Air Force Leadership Principles
- Chapter 8: Adaptive Leadership
 - Lesson 1: Leadership Style and Mission Demands
 - Lesson 2: Followership
 - Lesson 3: Leadership Preparation

- AF Manual 36-2203, Personnel Drill and Ceremonies
- Student Workbooks/Handouts

REQUIREMENTS

To be enrolled in JROTC, students must be full-time students in good standing at Bessemer City High School, be eighth grade graduates, and be able to participate in JROTC wellness activities with parental consent.

JROTC PROGRAM DESCRIPTION

Bessemer City High School AFJROTC is a blended course that contains 9th, 10th, 11th, and 12th graders all in the same class. In an effort to stay in compliance with the Headquarters JROTC cadet guide, this course consists of three components: Aerospace Science (40 percent), Leadership Education (40 percent), and Wellness/Physical Fitness (20 percent). This is accomplished by dividing the days of instruction according to the course material. The course material is rotated each year in JROTC so that cadets never receive the same instruction while participating in JROTC during a 4-year cycle.

DRILL AND CEREMONIES

The Drill and Ceremonies course provides an in-depth introduction to 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. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill. Though each class will follow an established lesson plan, most of the work is to be hands-on.

WELLNESS/PHYSICAL FITNESS

This course will incorporate the Cadet Health and Wellness Program. This is an exercise program focused upon individual baseline improvements with the goal of achieving a high standard when calculated for age and gender. The goal is to motivate JROTC cadets to lead active, healthy lifestyles beyond program requirements and into their adult lives. Cadets will be given the opportunity to put into practice the wellness concepts that are taught in Leadership Education 100.

STEM

The STEM (Science, Technology, Engineering and Math) course forces the cadets to critically think, team build, and utilize various STEM principles as they learn the build and operate items such as rockets, drones and robots. The cadets must work together and problem solve to ensure these items function as they are designed. Cadets will also have the opportunity to earn certification and FAA licensing to formal and legally operate the equipment when outside of the school environment.

UNIFORM WEAR

Uniform wear is a mandatory requirement for the program. Every cadet in the program will be issued a complete Blue uniform and complete Physical Training (PTG) uniform within the first 20 days of joining JROTC. The weekly uniform wear days are on Tuesday (Blue) and Friday (PTG).

On Fridays, all cadets are expected to wear PT clothes to include athletic running shoes during their JROTC class period. Cadets are authorized to wear these clothes all day, or they can change into and out of the uniform at the beginning and end of their JROTC class period. Cadets will have only ten minutes at the beginning of class and at the end of class to get dressed. A cadet's weekly uniform grade is partially dependent upon wearing proper attire for PT. Exceptions to this policy must be approved by the SASI and/or ASI and will be announced in advance by the Flight Commander.

On uniform days, all cadets are required to wear the assigned and issued uniform. With the exception of the PTG on Fridays, all cadets are expected to ***WEAR THE ASSIGNED UNIFORM CORRECTLY AND PROUDLY ALL DAY.***

This includes travel to and from school, unless excused by the SASI and/or ASI. Exceptions to this policy must be approved by the SASI and/or ASI and will be announced in advance by the Flight Commander. ***Any cadet observed not wearing their uniform the entire day without a legitimate reason will receive a zero for that day's uniform grade.*** Cadets that fail to wear either their Blue uniform or PTG uniform on assigned uniform days (Tue/Fri) more than four times in a semester, will be removed from the AFJROTC program for non-compliance.

Routine uniform maintenance and cleaning is the responsibility of the cadet and all accountable/ Returnable items must be professionally cleaned as needed throughout the year. Cadets are required to return all accountable uniform items at the end of the school year. If a cadet leaves the program before the end of the school year, they are required to immediately return all accountable/returnable uniform items. Failure to turn in uniforms are returned or paid for. **The total replacement cost for all standard issued items is approximately \$475.00.**

All accountable/returnable uniform items must be professionally cleaned prior to turning in to the SASI and/or ASI. A \$20 fee will be assessed for each item returned that has not been professionally cleaned.

See Cadet Guide for detailed uniform wear instructions.

GROOMING STANDARDS

As stated above, Cadets will be issued US Air Force Blue uniforms. As such, when wearing the uniform, Cadets are indistinguishable from active duty US Air Force members. Therefore, when wearing the uniform, they **MUST** be in authorized US Air Force grooming standards as they represent the US Air Force. In accordance with DAFI 36-2903, this means males must be clean shaven. In addition, both males AND females (with the exception of stud earrings for

females), are “prohibited from attaching, affixing, or displaying objects, articles, jewelry or ornamentation to or through the ear, nose, tongue, eye brows, lips or any exposed body part (including areas visible through the uniform).” Cadets may wear masks (black in color, no markings), but the masks cannot be used to hide unauthorized piercings.

“Male Airmen are not authorized to wear nail polish. If worn by females, nail polish will be a single color that does not detract from the uniform, nor can the nail polish be extreme in color. Some examples of extreme colors include, but are not limited to, purple, gold, blue, black, bright (fire engine) red and florescent colors. Do not apply designs to nails or apply two-tone or multi-tone colors; however, white-tip French manicures are authorized. Fingernails must not exceed ¼ inch in length beyond the tip of the finger and must be clean and well groomed.”

Also, male and female hair “will not contain excessive amounts of grooming aids (e.g., gel, mousse, pomade, or moisturizer), appear lopsided, touch either eyebrow (Exception: female bangs), or end below an imaginary line across the forehead at the top of the eyebrows that is parallel to the ground. If applied, dyes, tints, bleaches and frostings must result in natural hair colors. Examples of natural hair colors are brown, blonde, brunette, natural red or black. All Airmen are authorized to wear natural color hair regardless of their natural born hair color, but when combined or frosted, the colors must blend together so as to not present an unnatural appearance between colors. For example, hair colors may be displayed as a “salt-and-pepper” look as this presents a naturally-blended hair color and is, therefore, authorized. In contrast, ombre (blending of one color to another with dyes, tints, bleaches and frostings) or black hair with blonde highlights and/or streaks and blonde hair with black highlights and/or streaks do not present a natural appearance as they display vastly different shades of natural hair colors and are, therefore, unauthorized for wear. Prohibited hair color examples (not all inclusive) are burgundy, purple, orange, fluorescent or neon colors.”

Parents who elect to allow their children to obtain nails, piercings and/or hair extensions/colors that do not comply with US Air Force grooming standards, and that cannot be removed on uniform days, do so with the understanding that their child will be removed from the AFJROTC program for non-compliance.

GRADING PROCEDURES

Each year, cadet leadership outlines the strategic goals for the corps to achieve during the new school year. Grade composition in JROTC is unlike grading in other courses in that the grades rubric is designed in a manner to entice cadets to attain the corps goals for the year. To that end, grades will be as follows:

Academic	30 percent
Uniform and Appearance	20 percent
Wellness and Physical Fitness	20 percent
Drill and Ceremonies	20 percent
Compliance with Standards	10 percent

A weekly Leadership Evaluation in ten different leadership categories is conducted on Cadet

Staff/AS IV cadets. A maximum of 10 points is awarded for each category (total of 100 points). Cadets Staff/ AS IVs are required to achieve at least 7 points in each category or points will be deducted from their overall class grade, and may also lead to a loss of their rank/position.

COMMUNITY SERVICE

Cadets will have multiple opportunities to perform Air Force JROTC-sponsored community service during each semester. Members of the corps should aspire to participate in at least 12 community service hours each year.

CURRICULUM-IN-ACTION (CIA) TRIPS

Throughout the year, cadets will have opportunities to participate in school-sponsored activities that serve as an extension of the JROTC curriculum. Cadets must be in good academic and disciplinary standing to participate. To understand what it means to be in good academic and disciplinary standing, please refer to the cadet guide.

CLASS BEHAVIOR

The nature of the JROTC mission, as well as its high visibility within the school and community, requires its members to adhere to higher standards than might be found among the student population. Inappropriate behavior, in or out of uniform, is prohibited while participating in JROTC. This behavior includes, but is not limited to, consuming alcohol, drug abuse, tobacco use, excess and/or inappropriate horseplay, public displays of affection while in uniform, fighting, disparaging remarks, insubordination, disrespect, verbal threats and physical attacks. Behavior of this kind is reason for possible dismissal from the program.

CELL PHONES AND ELECTRONIC DEVICES

Cell phone and electronic device use is extremely disruptive in the classroom. Therefore, all of these devices must be placed in the cell phone holders box located on the back of each classroom door, either before the class bell rings to start the class period or immediately following class roll call procedures. These devices CANNOT simply be put away in a backpack. They must be put in the pockets. Failure to adhere to this policy will lead to possible referral paperwork being submitted to school administrators. Note that electronic devices include, but are not limited to, such things as ear buds, headphones, tablets, and the like. Any cadet that does not remove their earphones/ear buds PRIOR to entering the AFJROTC classrooms or staff areas, regardless of whether it is their assigned class period, will have their items confiscated and returned at the end of the school day. Failure to submit these items upon request from the SASI/ASI or any cadet staff leader will result in referral reports forwarded to school administration and may result in removal from the AFJROTC program.

FAILURE TO MEET OR MAINTAIN EXPECTATIONS

As a member of the JROTC program, every cadet becomes an individual representative of Bessemer City High School, the United States Air Force, and the corps of cadets. As a result, professional, courteous, and respectful behavior is expected from all cadets at all times. While failure to meet these expectations will be managed on a case-by-case basis, the more experienced the cadet is, the more severe the potential consequences will be.



BESSEMER CITY HIGH SCHOOL AIR FORCE JUNIOR ROTC
Program Removal and Disenrollment Procedures

The AFJROTC program is a program dedicated to building character, leadership, and good citizenship. Every effort will be made to ensure each cadet successfully completes our program. However, we will not allow cadets who are poor examples, disrespectful of the character values inherent in the program and who fail to meet dress and grooming standards to remain as cadets. They will be removed from the program. Disenrollment procedures are as follows (all procedures will be documented):

1. When a cadet is failing to meet the standards listed in the AFJROTC Course Syllabus and Cadet Guide and have not complied to verbal warnings, the instructor and appropriate cadet leaders will meet with the cadet and inform them of their poor performance and pending action if standards are not met. A parent will be contacted.
2. If the cadet fails to show improvement, they will meet with their instructor and a school administrator to seek a viable solution to their poor performance. At this time the cadet will be informed that if they fail to improve they will be removed from the program. A parent will be contacted and the principal will be informed of this meeting.
3. If the negative behavior continues, the cadet will meet with their instructor, a school administrator, and their school counselor, to seek a viable solution to the cadet's poor performance. At this time the cadet will be informed that if they fail to improve they will be immediately removed from the program. A parent will be contacted and the principal will be informed of this meeting.
4. If after this meeting, if the cadet continues to fail to show improvement, the instructor will have the student removed from the AFJROTC program.

PLEASE SIGN AND RETURN THIS LAST PAGE TO YOUR INSTRUCTOR

I have read and understand the syllabus, policies, Cadet Guide, and program removal procedures that will both govern and provide academic guidance for the Bessemer City High School Air Force Junior Reserve Officers Training Corps. I understand, and agree to pay, the required \$25 AFJROTC Activity Fee. I have also received a copy of the syllabus and policies and understand that a copy of the Cadet Guide has been made available on the school website (hard copies of the Cadet Guide will be made available upon request). I agree to abide by all policies that have been set forth in this agreement, and that a failure to do so, may result in the Cadet being removed from the AFJROTC program.

I understand that if I have any questions or concerns I may contact an AFJROTC instructor.

Parent/Guardian Printed Name	Parent/Guardian Signature	Date
Cadet Printed Name	Cadet Signature	Date

INTEGRITY* *SERVICE* *EXCELLENCE