



Cadet Name _____

Flight _____

MA-771- Lowell High School
Air Force Junior ROTC Course Syllabus First year (AS1) –
2018-2019

The Air Force Junior ROTC curriculum has three components, Aerospace Science (AS), Leadership Education (LE) and Wellness (PT). Each component has its own textbooks and runs for the entire school year. Cadets earn 2.5 credits each semester for taking both components.

Instructor's Name: Lt Col Ironfield, CMSgt Bruce Kimball, MSgt Kevin Casilli and TSgt David Smith

Leadership Education/PT/Drill

Course Description: This course introduces students to the AFJROTC program. It provides information about military traditions, instilling good citizenship, respect, values and discipline, the U.S. government, wellness, health and fitness. Basic drill, the wear of the uniform and customs and courtesies are also introduced. Students are also taught aviation history and the development of flight. Additionally, cadets will be taught the fundamentals of Drill and Ceremonies. This portion of 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. Most of the work is to be hands-on.

Required Text: Leadership Education 100- *Traditions, Wellness, and Foundations of Citizenship.*

- Chapter 1- Introduction to JROTC Programs
- Chapter 2- Personal Behavior
- Chapter 3- Health Smart
- Chapter 4 Making Safe, Drug-Free Decisions
- Chapter 5- The foundation of the United States Citizenship
- Drill and Ceremonies, AFI 36-2203

Course Objectives

1. Know the importance of AFJROTC history, mission, purpose, goals, and objectives.
2. Know the importance of attitude, discipline, and respect, and why values and ethics are so important.
3. Know military traditions and the importance of maintaining a high standard of dress and personal appearance
4. Know the importance of individual: Self-control, Personal responsibility.
5. Know and understand the Lowell High School Core Values: Responsibility, Integrity, Determination, Engagement, Respect (RIDER).
6. Know that an effective stress management program improves the quality of life.
7. Know what customs are rendered to the United States Flag and the National Anthem.

8. Know why it is important to be a good democratic citizen and to be familiar with the different forms of government.
9. Know the importance of keeping yourself healthy, and mentally well and helping others stay well.
10. Know the benefits of an active lifestyle.
11. Examine ways to increase your level of fitness through exercise.
12. Devise a plan to set and achieve fitness goals.
13. Analyze strategies for improving
14. Know basic stationary Air Force Drill movements (all facing movements, saluting procedures, etc)
15. Be able to perform basic marching movements to include the AFJROTC 30 count drill sequence, individually and in a flight formation.

Aerospace Science

Course Description: This portion of the course focuses on development of flight throughout the centuries. It starts with ancient civilization, and then progresses through time to modern aviation. The course introduces aviation history, basic aircraft motion, and control, flight power and rockets.

Required Text: *Aerospace Science: A Journey into Aviation History*

- Chapter 1: Ancient Flight
- Chapter 2: Pioneers of Flight
- Chapter 3: Expanding the Horizon
- Chapter 4: The Early Air Force
- Chapter 5: Commercial Flight
- Chapter 6: Modern Air Force

Course Objectives

1. Know the historical facts and impacts of the early attempts to fly to include identifying ways humans tried to fly in ancient times and the key aviation devices created during ancient times.
2. Know the development in aviation from the Da Vinci to the Wright Brothers including the major historical contributors to the development of flight.
3. Know and understand the principles of flight, and be able to explain how basic aircraft flight controls work.
4. Know the role of airpower during WWI, ways air power expanded during WWI, and the contributions of U.S. pilots.
5. Know who the barnstormers were, and their major contributions to sustain the fledgling aviation industry
6. Know Charles Lindbergh's famous contribution to aviation, and the significance of the first transatlantic flight.
7. Know and understand other significant contributions that pushed aviation into the mainstream including commercial flight, uses of the airplane and the development and uses of helicopters.
8. Understand the role air power played in WWII and its significance, and the development of the Army Air Corps.

9. Understand the development of commercial aviation and the significance of the jet engine to commercial aviation.
10. Know and understand the development of the U.S. Air Force as an independent branch of the U.S. Military, and the changing role of air power from WWII through the conflict in Iraq.

Wellness and Physical Fitness

Instructors Names: Lt Col Ironfield, CMSgt Kimball, MSgt Casilli, and TSgt Smith

PT Day: Lt Col Ironfield (Monday), MSgt Casilli (Tuesday), TSgt Smith (Wednesday), CMSgt Bruce Kimball (Friday)

Wellness Course Description: 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.

JROTC Dress Requirements:

Uniform Day: (Thursday for all cadets)

Cadets will be graded using the below Course Evaluation:

Common Assessment	20%
PT	20%
Uniform inspections	20%
Quizzes/Homework	15%
Attitude/Participation	10%
Community Service	15%

Category	Weight Range	Examples of Assignments
Formative Classwork	no higher than 40%	Classroom produced work group/team involvement
Formative Homework	0-20%	homework/study sheets
Formative Quizzes	10-25%	leadership/Aerospace Science quizzes/Drill Evaluations
Summative Assessments (Projects, papers, presentations, tests)	no higher than 40%	Formal Projects Oral presentations Common Assessments Final Assessments

NOTE: Cadets are required to maintain AFJROTC standards, both while in and out of school. If a cadet is unable to maintain standards and brings discredit to Lowell's JROTC program, they may be removed from Lowell High School's JROTC program AT ANY TIME, at the discretion of the Senior Aerospace Science Instructor (Lt Col Ironfield) and the House/Headmaster

I have read and understand and agree to the requirements outlined in the course syllabus.

CADET NAME (Print) _____

CADET NAME (SIGN) _____

CADET'S PARENT/GUARDIAN (PRINT) _____

CADET'S PARENT/GUARDIAN (SIGN) _____

DATE _____

Air Force Junior Reserve Officer Training Corps

ROOM MANAGEMENT PLAN

2018-2019

LHS Mission

Commitment to excellence in everything we do:
Academics, Activities and Citizenship.

To: All AFJROTC Cadets

Date: 25 August 2018

AFJROTC Mission

To educate and train high school students in citizenship; promote community service; instill responsibility; character and self-discipline; and provide instruction in Air and Space fundamentals

I. Attendance

Attendance will be taken at the beginning of each class period by the flight commander or a designated representative. Attendance will be recorded in the SASI's or ASIs' record book and also recorded in X2 each period. Any cadet who has (8) eight absences in a semester (1/2 year) will receive a grade of "U" (unsatisfactory) and will not receive credit for the course. If the grade is not released after the third day of the semester's end the U Grade reverts to NO CREDIT (NC). The cadet will be counseled after the 4th absence, and the appropriate housemaster will be notified.

II. Tardiness

Cadets are expected to arrive to class on time, cadets who arrive after the signal designating the start of the period/mod will be recorded as tardy. Neither a tardy nor an absence will be recorded if the cadet has obtained an acceptable note of explanation from the previous period/mod teacher. A student with an unexcused tardy to class of more than 10 minutes will be marked absent.

III. Discipline

No food, beverages (except water bottle) or gum chewing is allowed in the classroom unless approved in advance by the instructor. Students are expected to pay attention to the instructor and remain awake and alert. The flight commander, flight sergeant and element leaders are responsible for enforcing classroom discipline prior to class reporting. In case of misconduct: first offense -verbal warning; second offense – written counseling; third offense – students will see the instructor for possible further disciplinary action.

IV. Academic areas:

- a. The various AFJROTC courses are described in the school catalogue, the AFJROTC curriculum and in the textbooks for the individual courses.
- b. Tests will be announced in advance in Leadership and Aerospace Science and a comprehensive assessment will be given at the end of each quarter. Uniform wear is unique to AFJROTC and is graded weekly as a quiz. Failure to wear the uniform, unless cleared by AFJROTC instructors, will result in a grade of zero (0) in uniform wear for the week. Uniform wear missed may be made up at **the discretion of the instructor.** if the uniform grade is made up or excused the grade will be upgraded to 100%, if the uniform grade is not made up on the designated date, the uniform grade for that week will become a zero. Students that fail to wear the uniform three (3) times during any grading period (unless excused by the instructor) may be removed from Lowell High School JROTC program.

- c. Homework will be assigned throughout the course and must be turned in by the deadline announced. Failure to turn in an assignment will result in a grade of zero (0).
- d. In the case of excused absence, the instructor may allow the cadet to make up the homework. The student must contact and get the make-up assignments from the SASI/ASI within 4 days after returning to school.
- e. The AFJROTC grade is a composite grade made up of the following: Aerospace Science, Leadership Education, uniform wear, attitude, community service and physical training.
- f. Any cadet requiring extra help should contact the instructor, element leader, flight sergeant, or flight commander to obtain assistance. Every effort will be made to provide the help required through the AFJROTC tutoring program.

I have read and understand the requirements in the course syllabus and room management

CADET NAME (Print) _____

CADET NAME (SIGN) _____

CADET'S PARENT/GUARDIAN (PRINT) _____

CADET'S PARENT/GUARDIAN (SIGN) _____

DATE _____