

# JROTC Courses and Teaching Plan *Revised 3/19/2013grw*

	AS-100 LE-100	AS-200 LE-200	AS-300 LE-300	AS-410	AS-500	LE-500	AS-400	AS-510
2006	✓					✓		
2007	✓	✓			✓	✓		
2008	✓		✓		✓	✓		
2009				✓	✓	✓		
2010		✓			✓	✓		
2011	✓				✓	✓		
2012			✓		✓	✓	✓	
2013				✓	✓	✓	✓	✓
2014		✓			✓	✓	✓	✓
2015	✓				✓	✓	✓	✓
2016			✓		✓	✓	✓	✓
2017				✓	✓	✓	✓	✓
2018		✓			✓	✓	✓	✓

## **Aerospace Science 100 (AS-100): A Journey into Aviation History**

### **WCSD Catalog: 3645 - AS100, Aviation History**

(1st, 5th & 8th Periods, All Grades - Social Studies credit)

Focuses on the development of flight throughout the centuries, starting with ancient civilizations, and progressing through time to today. The emphasis is on civilian and military contributions to aviation; with a brief sneak preview into space exploration history. Principles of flight, to include basic aircraft motion and control, are discussed. Throughout the course, there are readings, videos, hands-on activities, and in-text and student workbook exercises to guide in the reinforcement of the materials.

This course is blended with

### **Leadership Education 100: Citizen, Character & Air Force Tradition**

Many of the 72 hours dedicated to leadership studies relate directly to the academic subject matter. The LE-100 textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship.

## **Aerospace Science 200 (AS-200): The Science of Flight**

### **WCSD Catalog: 3650 - AS200, Flight Science**

(1st, 5th & 8th Periods, All Grades - Elective credit)

Designed to acquaint students with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. An overview of the atmosphere and weather is included, to demonstrate how that environment affects flight. Discussions include the forces of lift, drag, thrust, and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. Human physiology introduces the effects of acceleration and deceleration on the body and the need for protective equipment.

This Course is blended with

### **Leadership Education 200: Communication, Awareness, and Leadership**

Leadership Education 200 stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

## **Aerospace Science 300 (AS-300): Exploring Space: The High Frontier**

### **WCSD Catalog: 3660 - AS300, Space Exploration**

(1st, 5th & 8th Periods, All Grades - Elective credit)

Examines the latest advances in space technology, and continuing challenges of space and manned spaceflight. Issues that are critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained. The manned spaceflight section covers major milestones in the endeavor to land on the Moon, and to safely orbit humans and crafts in space for temporary and prolonged periods. The development of space stations, the Space Shuttle and its future, and international laws for the use of and travel in space is also covered.

This Course is blended with

### **Leadership Education 300: Life Skills and Career Opportunities**

The *Leadership Education III: Life Skills and Career Opportunities* textbook will be helpful to students deciding which path to take after high school. Information on how to apply for admission to college or to a vocational or technical school is included. Information on how to begin the job search is available to students who decide not to go to college or vocational school. Available also is information about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will be helpful to. For those students who may be moving into an apartment of their own, information is presented on apartment shopping and grocery shopping skills. There is information on how to prepare a résumé and the importance of good interviewing skills. If there are students who are interested in a career in the military, with the federal government, or an aerospace career, information is also provided for them.

## **Aerospace Science (AS-410): Survival: Survive • Return**

### **WCSD Catalog: 6150 - AS410, Survival**

(1st, 5th & 8th Periods, All Grades - Elective credit)

*This course is not blended - the academic and leadership portions are intertwined*

The *Survival* text is a synthesis of the basic survival information found in Air Force Regulation 64-4 *Survival Training*. The survival instruction will provide training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. Survival also presents “good to know” information that would be useful in any situation. The information is just as useful to an individual lost hunting or stranded in a snowstorm.

## **Aerospace Science (AS-510): Senior Project**

### **WCSD Catalog: 6000 - AS510, Senior Project**

(1st, 5th & 8th Periods, All Grades - Elective credit)

*This course is not blended - the academic and leadership portions are intertwined*

**SENIORS ONLY!** Students for this advanced leadership course serve as members of the JROTC cadet senior staff together with cadets approved for the standard Cadet Staff Leadership and Management course. This hands-on experience affords students the opportunity to apply leadership and management lessons from previous JROTC courses. Students are expected to maintain a high level of performance in personal fitness, military bearing, and uniform wear.

**Aerospace Science 500 (AS-500): Aviation Honors Ground School Program**

**WCSD Catalog: 3665 - AS500, Pilot School**

(2nd & 6th Periods, 11th & 12th Grades - CTE credit)

*This course is not blended; there is no leadership aspect contained*

**JUNIORS & SENIORS ONLY!** This course is the foundation for students interested in receiving a private pilot's license. When the course is completed the students should be prepared to take and pass the Federal Aviation Administration (FAA) written examination. The *Private Pilot Manual* is the primary source for initial study and review. The text contains complete and concise explanations of the fundamental concepts and ideas that every private pilot needs to know. The subjects are organized in a logical manner to build upon previously introduced topics. Subjects are often expanded upon through field trips and actual flights. Human factors principles are presented help cadets understand how your mind and body function while you fly. This is an Honors course and is very rigorous. Only Juniors and Seniors are authorized to take the course.

**Aerospace Science 400 (AS-400): Principles of Management**

**WCSD Catalog: 3670 - AS400, Management**

(4th Period 11th & 12th Grades - elective credit)

*This course is not blended - the academic and leadership portions are intertwined*

**JUNIORS & SENIORS ONLY!** This is the 4<sup>th</sup> textbook in the Leadership Education series. This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. We are confident this course, coupled with what cadets have already learned during their time in AFJROTC, will equip them with the qualities needed to serve in leadership positions within the corps. Throughout the text are many ethical dilemmas, case studies, and role play activities built into the lessons. These activities are based on real life experiences and will allow students the opportunity to practice what they learn by getting involved in discussions and expressing their opinions.

**Leadership Education 500 (LE-500): Drill and Ceremonies**

(4th Period 9th & 10th Grade - PE credit)

**WCSD Catalog: 3665D - LE-500, Drill**

**FRESHMEN & SOPHOMORES ONLY!** 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. Instructors are provided AFM 36-2203 to teach the Drill and Ceremonies course. In addition, instructors may order the Army Field Manual 3-21.5 and the Interservice Cross-Index Drill Manual to supplement the teaching of Drill and Ceremonies. There is also a Drill and Ceremonies Instructional DVD available to aid you in teaching drill.