

AEROSPACE II, SCIENCE OF FLIGHT (6494)
SCIENCE: SITE-ADOPTED COURSE

Grades 11–12. Note: Although this course is assigned a number in the science sequence of courses, its content and curriculum are administered by the Military Science Department.

This single-semester JROTC course is designed to acquaint students with the aerospace environment, the human requirements of flight, and the principles of aircraft navigation. Students learn the basics of flight planning, how to interpret weather data and calculate weight and balance in preparation for taking the FAA Ground School Exam.

Credit for this course counts toward the elective credits required for high school graduation. The course may be taken more than once for credit.

Approved site: Scripps Ranch High School.



AIRFORCE JUNIOR ROTC 9,10 (4519, 4520)
ARMY JUNIOR ROTC 9,10 (4509, 4510)
MARINE CORPS JUNIOR ROTC 9,10 (4539, 4540)
NAVAL JUNIOR ROTC 9,10 (4529, 4530)
MILITARY SCIENCE: SUMMER SCHOOL COURSES

These summer school courses for Grades 9–12 are not currently available; therefore no course descriptions have been provided for them. Should they become available at a later date, their basic attributes can be found in district *Procedure No. 4100: Uniform Course Names, Numbers, 2008-09*. For additional information about these courses, contact the Military Science Program office at (858) 496-8203.



ARMY JUNIOR ROTC 11,12 (4591, 4592)
ARMY JUNIOR ROTC 13,14 (4593, 4594)
ARMY JUNIOR ROTC 15,16 (4595, 4596)
ARMY JUNIOR ROTC 17,18 (4597, 4598)
MILITARY SCIENCE: SITE-ADOPTED COURSE

Grades 11–12. Prerequisites: Students must have completed the entire sequence of Army Junior Reserve Officers Training Corps (JROTC) courses 1–8 (4501–4508) in order to enroll in these courses.

These courses are designed to be offered in schools with block scheduling. Because students in block-scheduled schools complete Army JROTC courses 1–8 in two years instead of four (i.e., in grade 10), these courses will allow them to continue in JROTC through the end of the twelfth grade. Course content expands on the mandatory training information covered in the first eight courses and includes elective elements that provide cadets with additional opportunities outside the scope of the mandatory curriculum established by the Junior ROTC Directorate in Fort Monroe, Va.

Credit: These courses award physical education graduation credit.

Approved sites: All schools with 4-by-4 block scheduling (Crawford, Kearny, and San Diego High Educational Complexes schools, and Hoover, and Mission Bay High Schools).



MARINE CORPS JUNIOR ROTC 1,2 (4531, 4532) MILITARY SCIENCE: PILOT COURSE

Grades 9–12. Prerequisites: Grade 9 or higher standing. **Text:** *MCJROTC Leadership Education I* (publication of the MCJROTC Command, Quantico, VA).

This course (Introduction to Leadership Education 1) is the first in a series of eight courses that make up the Marine Corps Junior Reserve Officers Training Corps program being piloted at Mission Bay High School. The overall aim of the program is to provide students with citizenship and leadership training, while at the same time teaching them respect for constituted authority. The eight-course series is designed to accommodate the school's block scheduling and represents a total of four years, or levels, of instruction. In this introductory course, students are taught how to be good followers, and learn the importance of teamwork and discipline. They participate in physical training and refine the skills of logical thinking and effective oral and written communication. Topics addressed include:

- The Marine Corps JROTC uniform program
- Rates/ranks of the United States Marine Corps and the Marine Corps JROTC
- Military customs, courtesies, etiquette, and ceremonies
- Introduction to military drill
- Drill without arms
- Manual of Arms with the MCJROTC rifle
- Manual of the Sword
- Chain of command
- Eleven general orders
- Physical fitness exercises and qualifying minimums

Credit for this course counts towards the physical education credits required for high school graduation.

Pilot site: Mission Bay High School.



MARINE CORPS JUNIOR ROTC 3,4 (4533, 4534) MILITARY SCIENCE: PILOT COURSE

Grades 9–12. Prerequisites: Marine Corps Junior ROTC 1,2. **Text:** *MCJROTC Leadership Education I* ((publication of the MCJROTC Command, Quantico, VA).

This course (Leadership Education 1) is the second in a series of eight Marine Corps Junior ROTC courses being piloted at Mission Bay High School. It expands on the content and skills introduced in the previous course, and provides an overview of the history of the Marine Corps, including its origins, significant dates, people, and battles. Topics include:

- Marine Corps History
 - The Colonial Marines (1740–1775)
 - The American Revolution (1775–1783)
 - The early years of the Marines (1783–1848)
 - Growth in size and stature of the U.S. Marine Corps (1859–1918)
 - World War II
 - The Korean War
- Firearms safety
- Life-saving techniques and first aid

Credit for this course counts towards the physical education credits required for high school graduation.

Pilot site: Mission Bay High School.



MARINE CORPS JUNIOR ROTC 5,6 (4535, 4536)
MILITARY SCIENCE: PILOT COURSE

Grades 10–12. Prerequisites: Marine Corps Junior ROTC 3, 4. **Texts:** *MCJROTC Leadership Education I* and *MCJROTC Leadership Education II* (publications of the MCJROTC Command, Quantico, VA).

This course (Leadership Education 2) is the third in a series of eight Marine Corps Junior ROTC courses being piloted at Mission Bay High School. It expands on several topics introduced in the previous two courses, delving into more specific detail. It also introduces students to the requirements/meaning of citizenship and civic responsibility. Topics addressed in this course include:

- Orienteering
- Volunteerism
- Marine Corps knowledge:
 - National security
 - The Marine Expeditionary and Air-Ground Task Forces
 - USMC operations, communications, and intelligence
 - USMC logistics
 - Naval research and development
 - Military law
- Marine Corps and naval skills:
 - Shipboard life and safety
 - Marine Corps systems
 - Naval aircraft and missiles
- Public speaking/effective communications

Credit: This course awards physical education graduation credit.

Pilot site: Mission Bay High School.



MARINE CORPS JUNIOR ROTC 7,8 (4537, 4538)
MILITARY SCIENCE: PILOT COURSE

Grades 10–12. Prerequisites: Marine Corps Junior ROTC 5,6. **Texts:** *MCJROTC Leadership Education II* and *MCJROTC Leadership Education III* (publications of the MCJROTC Command, Quantico, VA).

This course (Leadership Education 2A) is the fourth in a series of eight Marine Corps Junior ROTC courses being piloted at Mission Bay High School. Students in this course will build and be evaluated on past knowledge, and be introduced to the following topics:

- Maintaining high morale
- Political and economic systems of government
- Individual and team training
- Navy rank structure
- Navy ships, and naval aviation
- Marine Corps posts and stations
- Nautical terms
- Terrain features; slope and contour lines
- Marine Corps history:
 - The war to end all wars
 - The Cold War (1945-91)

Credit: This course awards physical education graduation credit.

Pilot site: Mission Bay High School.



MARINE CORPS JUNIOR ROTC 11,12 (4541, 4542)
MILITARY SCIENCE: PILOT COURSE

Grades 11–12. Prerequisites: Marine Corps Junior ROTC 7,8. **Texts:** *MCJROTC Leadership Education II* and *MCJROTC Leadership Education III* (publications of the MCJROTC Command, Quantico, VA).

This course (Leadership Education 3) is the fifth in a series of eight Marine Corps Junior ROTC courses being piloted at Mission Bay High School. At this point in the program, students are expected to be accountable and responsible for themselves, as well as others. This emphasis of this course is on leadership, citizenship, and personal growth. Topics covered include:

- Marine Corps and U.S. History:
 - Between the wars (1919-41)
 - The war in the Pacific
 - The basis for U.S. relations with China and Japan
 - World War II
- Leadership:
 - Conducting individual and team training
 - Importance of inspections and evaluations
 - Evaluating and recording performance
 - Leadership styles
- Citizenship:
 - Plan and conduct special events
 - U.S. can declare war and maintain a navy
 - Congress and the president—their tug of war
- Personal growth and responsibility:
 - Service etiquette
 - Financial planning
 - Career: labor you love
 - Budget: don't go broke
 - Savings and investment: your money at work
 - Credit: buy now, pay later
 - Insurance: your protection

Credit: This course awards physical education graduation credit.

Pilot site: Mission Bay High School.



MARINE CORPS JUNIOR ROTC 13,14 (4543, 4544)
MILITARY SCIENCE: PILOT COURSE

Grades 11–12. Prerequisites: Marine Corps Junior ROTC 11,12. **Texts:** *MCJROTC Leadership Education III* (publications of the MCJROTC Command, Quantico, VA).

This course (Leadership Education 3A) is the sixth in a series of eight Marine Corps Junior ROTC courses being piloted at Mission Bay High School. This course continues the focus on public service and career exploration, introduced in the previous course, citizenship, and personal growth. Subjects covered include:

- Public service and career exploration:
 - College preparation
 - Behavior in the workplace
 - Community service centers
 - State and federal careers
 - Military service benefits
 - Marine enlisted career progression
 - Marine officer career progression
- General military subjects:
 - Rank structure in the other services
 - Comprehensive U.S. and USMC history review
 - Land navigation—determining your location
 - Determining distant objects
 - Navigating with a compass
 - Terrain association and dead reckoning
 - U.S. code of military justice

Credit: This course awards physical education graduation credit.

Pilot site: Mission Bay High School.



MARINE CORPS JUNIOR ROTC 15,16 (4545, 4546)
MILITARY SCIENCE: PILOT COURSE

Grade 12. Prerequisites: Marine Corps Junior ROTC 13,14. **Texts:** *MCJROTC Leadership Education III* and *Leadership Education IV* (publications of the MCJROTC Command, Quantico, VA).

This course (Leadership Education 4) is the seventh in a series of eight Marine Corps Junior ROTC courses being piloted at Mission Bay High School, and is intended for students in their senior year. In this course, students—who are presumed to be accountable and responsible is at this point—will learn and apply advanced strategies pertaining to responsible and accountable behavior. At the end of the course, students will be evaluated in each of the following subject areas: career planning and education; leadership, training and evaluation; responsibilities and qualities of leadership; achieving effective communications; unit management and leadership; professional research; health and physical education; citizenship; and general military knowledge, including U.S. and USMC history.

Credit: This course awards physical education graduation credit.

Pilot site: Mission Bay High School.



MARINE CORPS JUNIOR ROTC 15,16 (4545, 4546)
MILITARY SCIENCE: PILOT COURSE

Grade 12. Prerequisites: Marine Corps Junior ROTC 15,16. **Texts:** *MCJROTC Leadership Education IV* (a publication of the MCJROTC Command, Quantico, VA).

This course (Leadership Education 4A) is the eighth and capstone course in the series of Marine Corps Junior ROTC courses being piloted at Mission Bay High School, and is intended for students in their senior year of high school. The focus of the course is on career preparation: students are required to create portfolios of their work, construct a resume, and participate in a job interview. They are expected to be familiar with the basic entrance requirements for both California and other colleges and universities, and must complete a college application as part of the course requirements. The course also helps them understand and develop acceptable workplace behavior. A final evaluation will touch on all the topics covered over the course of the four-year-program, including but not limited to: leadership, effective communications, citizenship, and general military history.

Credit: This course awards physical education graduation credit.

Pilot site: Mission Bay High School.

