

DEVELOPING CITIZENS OF CHARACTER



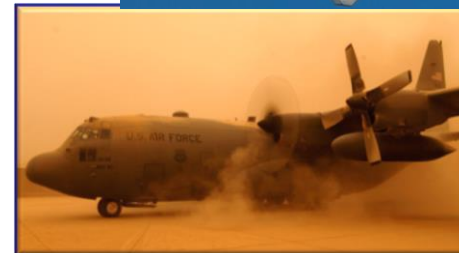
CONNECTING TALENT
WITH OPPORTUNITY



NC-931

**Monroe High School
and**

Central Academy for Technology Arts



AEROSPACE SCIENCE

AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, geography, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry, and survival.



LEADERSHIP EDUCATION

LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill and ceremonies.



AS-1 CURRICULUM

A Journey into Aviation History



*Air Force History : Early years through WWII
Citizenship, Character & Air Force Tradition
Drill and Ceremonies*



This is a history course designed to acquaint the students with historical development and roles of the US military and flight through WWII. The leadership studies portion focuses on Air Force customs and courtesies, uniform wear, attitude and discipline, time and stress management, good study and test-taking skills, basic drill and physical fitness

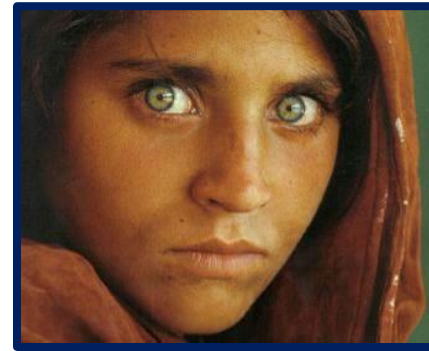
AS-2 CURRICULUM

Global Awareness

Cultural Studies

Intercommunication Skills

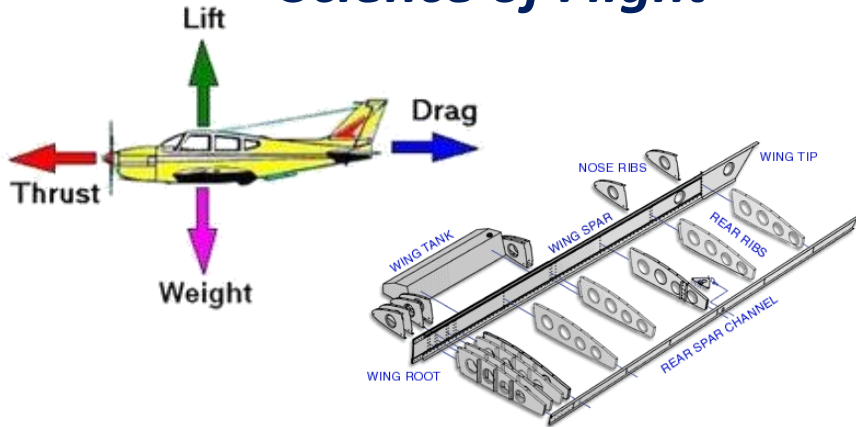
Drill and Ceremonies



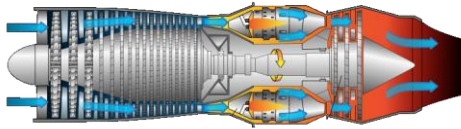
The course introduces students to various regions of the world from geographic, historical and cultural perspective to increase international awareness. The leadership studies portion focuses on effective communication skills, basic leadership concepts, drill and physical fitness

AS-2.2 CURRICULUM

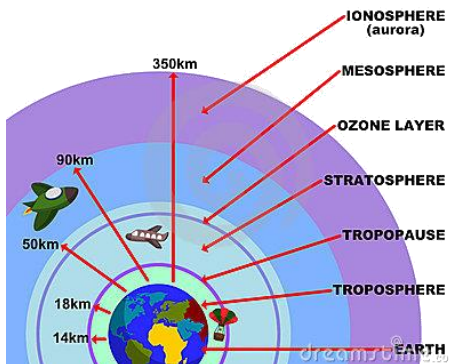
Science of Flight



This course is designed to acquaint the student with the aerospace environment, the human requirements of flight, and the basic principles of aircraft flight, flight power, types of aircraft, and the principles of navigation.

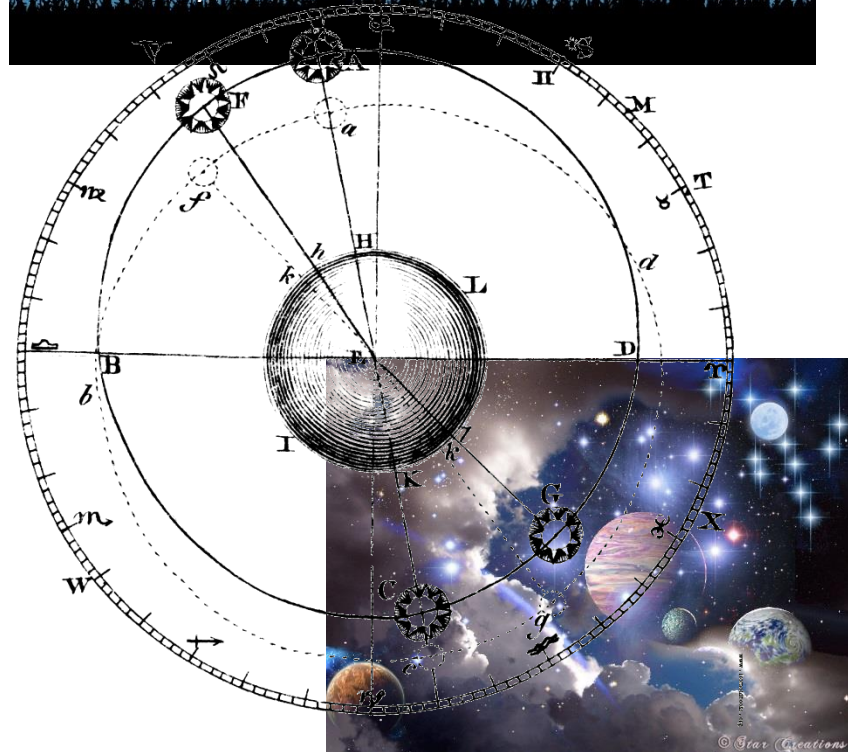
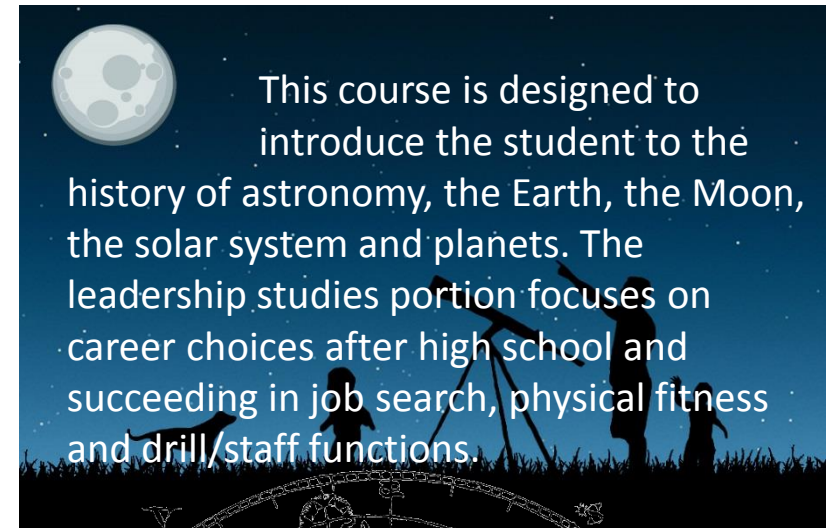


Layers of the Atmosphere



AS-3 CURRICULUM

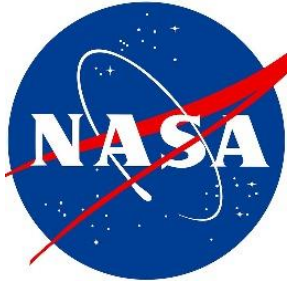
Introduction to Astronomy



★ AS-3.2 CURRICULUM

Exploring Space

Life Skills ~ Drill and Ceremonies



This course is designed to introduce students to space exploration, orbits, spacecraft and launch vehicles and space mission operations and management. The leadership studies portion focuses on financial planning, banking, credit, investing, real life issues, physical fitness and drill/staff functions.



★ AS-4 CURRICULUM

Cadet management

The cadet management portion affords the cadets the opportunity to put the theories of previous leadership courses into practices.



The leadership studies portion focuses on understanding the fundamentals of managements, managing yourself, and others It also includes physical fitness and drill/skill functions.



HONOR GUARD

We provide community-wide support for Parades, Demonstrations, Competitions, and various other activities where a Drill Team or Color Guard may be required.



COMMUNITY SERVICE



NC-931 continues to lead the way in community service hours. In SY15 we won the schools CS award with 487 hours, and again in SY16 with over 1200 hours serving our community. SY 16 we added Operation Christmas Child, UC Adopt-A-Pet program and even "adopted" a local Senior Citizens Home.



RAIDER TEAM



Raider Competition or "Raider" as it is more commonly known is a very popular athletic competition held within Junior ROTC programs around the United States.



It is the Junior ROTC equivalent of the Army ROTC "Ranger" competition in college, only far less dangerous but very challenging as well! The competitions are held outdoors and the vast majority of Raider teams are formed within Army JROTC programs, some of these teams are also found within Marine Corps, Navy and even a few Air Force programs. Most schools who "Raider" have a male team, but almost as many have a mixed team.

ORIENTEERING

Orienteering is a competitive form of land navigation. It provides the suspense and excitement of a treasure hunt. Orienteering has been likened to a scavenger hunt in the woods, but it's much more than that!



Orienteering is a different sport than most. It requires navigational skills and common sense. A topographical map and a compass are all we need to get to point to point in order. To succeed in an orienteering competition you must get to all your control points (check points) on your map in order while also being the fastest.

CYBER PATRIOT

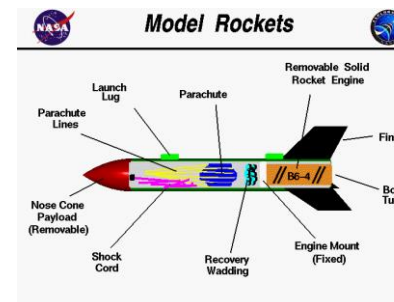
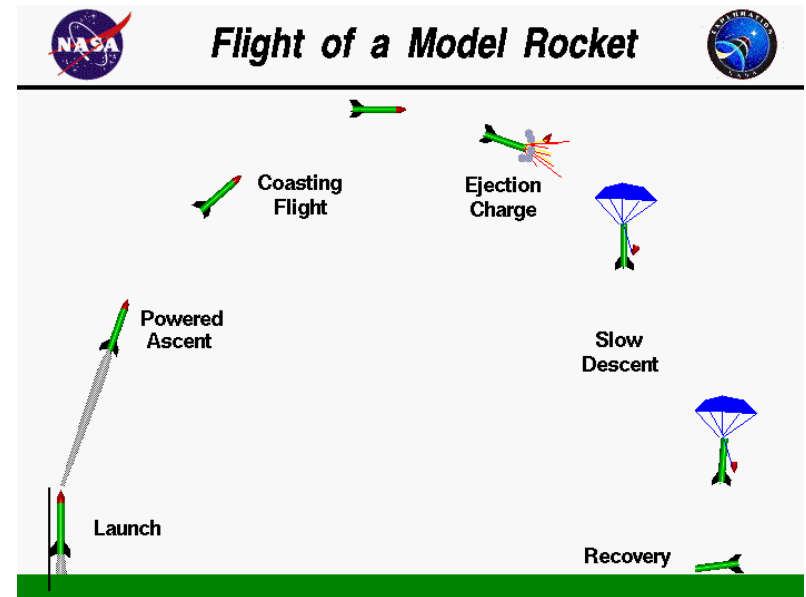
CyberPatriot is the National Youth Cyber Education Program. There are three main programs within CyberPatriot: the National Youth Cyber Defense Competition, AFA CyberCamps and the Elementary School Cyber Education Initiative.



CyberPatriot was conceived by the Air Force Association to inspire high school students toward careers in cybersecurity or other science, technology, engineering, and mathematics (STEM) disciplines critical to our nation's future.

MODEL ROCKETRY TEAM

The model rocketry program provides an opportunity for cadets to learn the basic principles of aerospace rocketry. During the program, the cadets get the opportunity to design, build and launch model rockets and perform in appointed team positions. Model rockets built use safe engines. Successful completion of program requirements makes cadets eligible for the model rocket badge.



KITTY HAWK AIR SOCIETY

"Academic Excellence, Service, and Leadership"

Kitty Hawk Air Society (KHAS) is the official National Honor Society of AFJROTC that promotes high academic standards, school and community service, self-confidence, and initiative.



KHAS also develops leadership abilities, recognizes academic excellence, and furthers members' knowledge of the Air Force role in aerospace. KHAS has the flexibility to include objectives of local unit chapters under a single umbrella with the advantages of national stature.

Cadets will have the opportunity to earn the KHAS Badge and Cord. Entry into KHAS will involve invitations extended to all cadets who:

- Successfully completed at least 2 semesters in JROTC
- Possess good character and high moral standards
- Earn a minimum academic grade of 90 in AS courses
- Maintain an overall 3.0 GPA

AWARENESS

PRESENTATION TEAM

The Awareness Presentation Team (APT) is an academic endeavor designed to provide positive role models for elementary and middle school students. The APT covers topics such as peer pressure, conflict resolution, sexual issues, violence, and drug & alcohol awareness.



Our involvement in developing awareness and providing training on this social issue brings our Corps favorable publicity and is a valuable service to the community. Cadets can earn an ATP badge to wear on the uniform if they participate in three events.

The APT is predominantly staffed by KHAS members as key role models of our community

DRONE AND MODEL AIRCRAFT FLIGHT SCHOOL

To showcase one of the Junior ROTC's co-curricular activities, we begin to demonstrate the capabilities of their newest science, technology, engineering and mathematics, or STEM, teaching and learning tool they call the multicopter, or quadcopter, a remote-controlled aircraft propelled by four rotors.



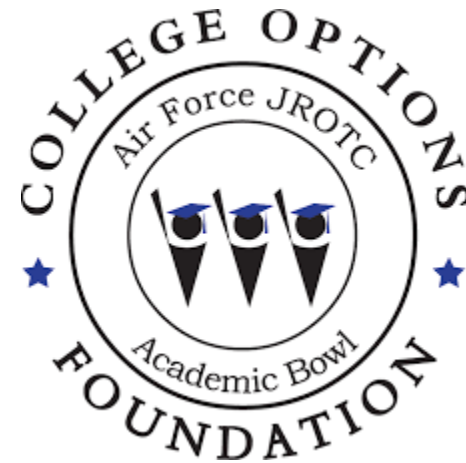
A remote-controlled quadcopter and RC aircraft will open cadets' minds to how drone technology has become a game changer in military and civilian life.

The Air Force purchased 100 drones for JROTC units nationwide and we are fortunate enough to have received one. Equipped with a video camera, cadets start training sessions in the basics of flying the drone on flight plans programmed into a cell phone application.

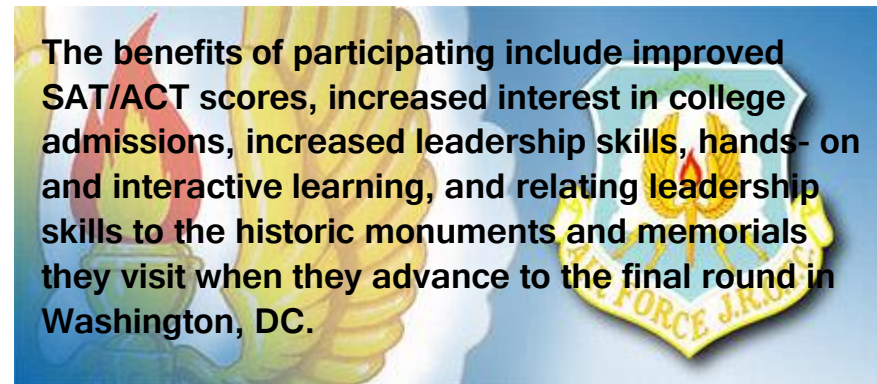


ACADEMIC BOWL TEAM

The College Options Foundation is dedicated to enriching the academic development of high school students and assisting them in their preparation for higher education. Using academic competitions, college exam study guides, college admissions tutorials and personalized counseling, we have assisted thousands of students to attain their dreams of attending college.



The benefits of participating include improved SAT/ACT scores, increased interest in college admissions, increased leadership skills, hands-on and interactive learning, and relating leadership skills to the historic monuments and memorials they visit when they advance to the final round in Washington, DC.



★ SUMMER LEADERSHIP SCHOOL

For one week each summer, students from the Carolinas, GA, FL, VA join forces for an intense course of instruction.

This leadership laboratory provides an opportunity for select upper-class cadets to exercise their leadership and management skills in the camp's daily operation and maintenance.



Cadets participate in a daily physical training regiment, undergo rigorous scrutiny during daily inspections of their personal areas and dress/grooming, and receive classroom instruction on leadership topics, compete in drill and intramural sporting events.



Recognizing Leadership opportunities:

- **Learning** to work with others and share responsibilities (never ask someone to do what you will not do yourself)
- **Observing** your peers and working with them to help everyone succeed (practice positive reinforcement).
- **Seek** to overcome obstacles together. (Building relationships through teamwork).
- **Give** of yourself and set an example that can be followed. (Character, Integrity, Perseverance)

