



Marietta High School
A Georgia College & Career Academy and IB World School
Course Syllabus for
AFJROTC Aerospace Science/Leadership Education 200



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Course Description

Aerospace Science: Science of Flight 200: This course provides students with information on exploring the fundamentals of the science of flight with an introduction to the principles of flight. Students will explore aircraft design, flight control, and aircraft power options in addition to weather concepts, the effects of flight on the human body, and how to navigate during flight.

Aerospace Leadership: Citizenship 200: Leadership 200 focuses on AFJROTC mission to “develop citizens of character dedicated to serving their nation and community.” This is accomplished through better communication, increased awareness of self and others, and improved leadership along with developing personal integrity while emphasizing leadership and other values, such as service and excellence.

Required Materials

A charged MCS-Issued Chromebook is required for this course. Students will be provided a Chromebook at the beginning of the school year, and they should bring their Chromebook to class each day, fully charged. Students may not bring their own personal device (tablet, laptop, iPad, etc.) to Marietta High School. All state, district, and classroom assessments will be administered on an MCS-Issued Chromebook, and Chromebooks are the primary avenue through which students will access digital class materials and resources.

Textbook & Instructional Materials	
• Aerospace Science 200, The Science of Flight: A Gateway to New Horizons, 2nd Edition	• Leadership Education 200: Communication, Awareness, and Leadership, 2nd Ed.

Class Supply List		
• Writing instrument • Writing paper	• Pocket folder • Shoe shine kit (black)	• Running/athletic shoes • Sports under garments

Schoology and ASPEN

Schoology is our district Learning Management System. Teachers will post daily assignments and resources in Schoology for students to use and reference. Due dates for major assignments and assessment dates will be posted on the Schoology calendar. Students should check Schoology regularly to support their daily learning. To access Schoology:

1. Go to <http://marietta.schoology.com> and click login in the upper right-hand corner of the screen.
2. Enter your Marietta schools Google Gmail account (lunch number@marietta-schools.net and your MCS provided password) —use your google login to enter Schoology.

If you are unable to access Schoology, please email schoologysupport@marietta-city.org or call 678-695-7255. If your child does not have access to a laptop/Chromebook or hotspot or needs technical support with a district-issued device, please email techhelp@marietta-city.org or call 678-695-7215.

Schoology's grading platform may be used partially or fully to record assignments. Grades entered in Schoology are synced with ASPEN; however, the official grade for this course is the one recorded in ASPEN. ASPEN is the platform used to report your student's schedule, current grade, and attendance. While students' grades on assignments may be visible in Schoology, it is important to note that the most up-to-date grade information is found in ASPEN, and the score visible in ASPEN represents the official grade for all courses.

Department/Course Specific Information

GA20021 Cadet Guide:

https://docs.google.com/document/d/1cKhiN7OBllY2wUN_qTeT9jPskiBOacFYhoKte0hJNJI/edit?usp=sharing

Course Information:

https://docs.google.com/document/d/129nDuwcHbG83L9z8FjrDraL6qYYJ4DJZePigc2WN-c0/edit?usp=drive_link

AFJROTC 2025-2026 Calendar

<https://docs.google.com/spreadsheets/d/1agoif5r5d18CJZMHg2YHtK2MOaozRavoqvs12qzaZys/edit?usp=sharing>

End of Pathway Assessment (EOPA)	
AFJROTC does not have an EOPA	
Career & Technical Student Organization(CTSO)	Contest Opportunities
● AFJROTC does not have a CTSO	● AFJROTC competitions consist of drone and Raider meets. Dates TBD
National Technical Honor Society (NTHS)	
Students who are an active and engaged member of the Career Tech Student Organization (CTSO) for their pathway may qualify for membership in the National Technical Honor Society (NTHS) which will afford the students to earn a NTHS honor cord and tassel at the end of their senior year. For students interested in the NTHS, your CTSO advisor must verify your engagement and complete the applications and applicable fees. Membership requirements, at a glance: 1) 3.0 or higher overall GPA. 2) 3.0 or higher in CTAE course 3) Current active membership in your CTSO 4) Recommendation from your CTAE pathway teacher and one other academic teacher	

Success Criteria

To be successful in any high school course, students should stay organized, attend class regularly, and actively participate in lessons. Managing time effectively, taking good notes, and reviewing content consistently will help with retention. Seeking help when needed, preparing early for tests, and maintaining an open line of communication with your teacher are also important. At Marietta High School, our students strive to be inquisitive learners who seek knowledge and think critically to solve problems. They communicate effectively, act with integrity, and appreciate diverse perspectives. As principled and caring individuals, they show empathy and take responsible action. They embrace challenges with resilience, maintain balance in their lives, and reflect on their experiences to grow as lifelong learners.

Calculation of Grade

At Marietta High School, we emphasize that a student's academic success and their grade is directly related to preparation, practice, constructive participation in class, completion of assignments, and demonstration of mastery.

Fall 2025 - Spring 2026

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Percentage	Category	Description
50%	Summative Assessments	<i>I.e., Unit Tests, Projects, Performance Tasks, Portfolios, Extended Essays, Oral Exams, Visual Presentations, MYP Tasks</i>
40%	Formative Assessments	<i>I.e., Homework, In-Class Work, Quizzes</i>
10%	Cumulative Semester Exams*	Semester Cumulative Midterm Exam (Semester 1) Milestone EOC or Cumulative Final Exam (Semester 2)
MCS Grading Scale		90-100% = A; 80-89% = B; 73-79% = C; 70-72% = D; 0-69% = F

***NOTE:** IB Year I and II as well as AP courses do not proctor final exams in classrooms second semester. For the second semester in IB Year I/II and AP courses, the category percentages will shift to 60% Summative Assessments and 40% Formative Assessments.

ASPEN Codes

The following codes are used in ASPEN to inform students and parents about the status of assignments, including missing work, exemptions, absences, and assignments that have been submitted but are still being graded.

E = Exempt; does not calculate in student's grade

M = missing work (not submitted); calculates as a zero

GIP = Grade in Progress; assignment has been submitted by student and grading is in progress (used only in AP-level courses, IB-level courses, and extended writing assignments in ELA courses)

Grade Recovery for Summative Assessments and Assignments

To support your student's learning and accountability, we offer a Grade Recovery Policy designed to encourage perseverance, responsibility, and mastery of essential skills. The policy ensures that students who need additional time to grasp key concepts have a structured opportunity to improve their understanding and performance.

Students are encouraged to complete all teacher-assigned remediation activities before retaking an assessment and should review their unit study guide and other course materials to ensure they are adequately prepared for the retest. The retest format is determined by the PLC/CTAE teacher and may include test corrections, alternative assignments, a retake of the original test, or a revised version of it. The format will be consistent across the PLC/Pathway and communicated to students and parents at the beginning of each unit via Schoology or direct message. Grade recovery is allowed for one summative assessment per class per semester, for a maximum score of up to 100%, and **does not apply to performance tasks, extended written tasks, final exams or major projects.** NOTE most assignments in CTAE are

performative and are not allowed to be used as your one grade recovery. Students may retake their chosen exam at any point during the semester, but no later than one week before the December midterm (S1) or May final exam (S2). This schedule gives students the flexibility to retake an assessment when they feel best prepared, while also allowing them to wait until the end of the semester to identify their lowest-performing summative assessment. Students should make arrangements with their teacher to complete retakes during the school day or before or after school during the teacher's regular office hours. Students will also have an additional summative assessment grade, per semester, replaced by their cumulative midterm (S1) or final exam (S2) score in all courses.

Extra Help and Tutoring

Marietta High School is committed to providing a variety of academic opportunities that support student success. Extra help is available through our MSLC (Marietta Student Life Center) and teacher office hours before school (7:15-7:45) or after school (2:30-3:00), Monday-Thursday.

Responsible Work Habits

At Marietta High School, we value responsibility, accountability, and a growth mindset. As principled learners, students take ownership of their work and meet deadlines with integrity. We understand that challenges arise, and our goal is to support students in developing essential time management skills. Regular attendance and timely completion of assignments helps students reinforce concepts, build strong study habits, and reflect on their learning, fostering both academic growth and balance in their educational journey.

Students should use class time productively and manage their workload between classes to meet deadlines and submit work by the designated due date. If a student does not turn in an assignment by the deadline, an **'M'** is entered into ASPEN to notify both the student and the parent that a deadline was missed. This **'M'** is calculated as a zero until the assignment is submitted. Assignments submitted after the designated due date will incur a 20% deduction from the student's raw score. Because daily assignments are intended to prepare your students for their summative assessments, the submission window for unit classwork and homework assignments will close on the day of the unit exam, at the beginning of the exam class period. Daily assignments will not be accepted after the submission window closes. At this time, the **'M'** will be replaced with a zero, indicating the assignment can no longer be submitted.

Guidelines for Makeup Work

When students are absent from school, they will have the number of class periods absent plus one additional class period to make up any missed assignments or assessments. For example, if a student misses 3 consecutive class periods, they will have 4 consecutive class periods to submit makeup work. To help students manage their time and stay on track, makeup work must be completed within 10 school days unless approved by an administrator. Once the makeup period has passed, the **'M'** will be replaced with a zero, indicating the assignment can no longer be submitted.

During absence or upon returning to school, students should check their teachers' Schoology pages for missed lessons. If students have questions regarding lessons on Schoology, they should connect with their teachers. If students are aware of an absence in advance, they should connect with their teachers to discuss any upcoming assignments and make arrangements for completing missed work. Students who are suspended from school should communicate with teachers regarding makeup work and complete assigned work during their suspension. **Projects and assignments known in advance and spanning multiple class days will be due upon the student's return to school, unless approved by an administrator.**

Summative Exams

Students are responsible for taking assessments on the designated test day when they are present at school. If a student is absent the class period before a test, they will take the assessment on the designated test day, provided that new material is not introduced during the day prior to the test. If a student is absent on the scheduled test day, they must arrange with their teacher to complete the missed assessment. Make-up tests may be given in class upon return or during the teacher's office hours or designated school wide tutoring hours before or after school, as designated by the PLC. Students should check Schoology for assessment dates and review materials.

Final Exam Exemptions

At Marietta High School, earning an exam exemption is a privilege. Exemptions are only provided at the conclusion of a course. Any student who earns an A (*90 or above*) in the course may be eligible to be exempt from the final exam. **Final exam exemptions do not apply to the following tests: EOC, EOPA, MAP, IB, AP, GAVS, & DLL Edgenuity Courses.**

Academic Integrity

Marietta High School's Academic Honor Code, found on page 12 of the [MHS Student Handbook](#), reflects our shared commitment to integrity and a culture of honest learning. The Honor Code ensures a fair learning environment where all students are recognized for their efforts. By upholding these values, students take pride in their hard work and academic growth. A student's academic integrity is violated when the student asks, receives, has access to, or offers unauthorized help on any assignment or portrays someone else's or any other entity's work as their own including class work, homework, projects, quizzes, and tests. This includes unethical use of any web or AI resources. Students who fail to uphold the Academic Honor Code will be subject to the MHS Academic Misconduct Matrix, found in the [MHS Student Handbook](#).

Electronic Devices

At Marietta High School, our primary focus is to protect instructional time and to utilize it to effectively enhance the learning experience. Cell phones, personal electronic devices, or headphones are not required at MHS. Students may not use personal cell phones or headphones during instructional time. Students may not bring their own personal device (tablet, laptop, iPad, etc.) to Marietta High School. Students who misuse technology during school hours will be addressed according to the MHS Cell Phone Matrix, found in the [MHS Student Handbook](#).

Gifted Standards

The **Marietta City Schools Gifted Standards K-12** focus on six key strands to develop advanced skills in gifted students. These standards ensure gifted students build critical thinking, creativity, collaboration, and independent learning skills to excel academically and personally: [MCS Gifted Standards K-12](#)

MYP Criteria

At Marietta High School, ninth and tenth grade students are a part of the **International Baccalaureate (IB) Middle Years Programme (MYP)**. The MYP is a framework designed to develop students' critical thinking, inquiry-based learning, and global awareness. It emphasizes interdisciplinary connections, real-world applications, and the development of essential skills for lifelong learning. MYP assessment is **criterion-related**, meaning student performance is measured against specific descriptors rather than compared to peers. The MYP encourages students to be independent thinkers, problem solvers, and reflective learners.

MYP courses use four assessment criteria, each scored on an 8-point scale, to evaluate student learning:

- *Criterion A: Knowing and Understanding* – Assesses students' ability to recall, explain, and apply knowledge.
- *Criterion B: Investigating/Inquiring and Designing* – Evaluates students' ability to formulate questions, conduct research, and develop structured investigations.
- *Criterion C: Communicating* – Measures the clarity, organization, and effectiveness of students' communication in various formats.
- *Criterion D: Applying Skills/Evaluating* – Focuses on students' ability to analyze, reflect, and apply their learning
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Marietta High School Student Handbook

In addition to the details outlined in this course syllabus, the [MHS Student Handbook](#) offers students and parents further information about Marietta High School. It covers essential topics such as the dress code, honor code, attendance procedures, discipline policies and matrices, tardy policies, and other school rules, procedures, and opportunities. Students and parents are encouraged to read the handbook thoroughly and contact teachers or school administrators with any questions.

MHS Syllabus Acknowledgement Form

Students and parents, your signature below indicates that you have read and understand all parts of this syllabus. Please contact your child's teacher if you have any questions.

Course: AFJROTC Aerospace Science/Leadership Education 200 Teacher: AFJROTC Instructor Block: _____

Student Last Name (PRINT) _____ First Name (PRINT) _____

Student Signature: _____

Parent/Guardian Name (PRINT): _____

Parent/Guardian Signature: _____

Parent/Guardian Email: _____

Parent/Guardian Preferred Phone Number: _____

Is there any information about your child you would like to share at this time?