

School
Physics SYLLABUS
Brian Caulfield
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**COURSE
DESCRIPTION/
OVERVIEW**

Physics is the study of matter, energy, and the interactions that shape the universe. In this year-long course, students will build a strong foundation in the fundamental principles of physics through an algebra-based approach. Topics include motion and forces, energy, momentum, waves, electricity and magnetism.

Emphasis will be placed on developing scientific reasoning, problem-solving, and critical thinking skills. Students will engage in hands-on experiments, data analysis, and real-world applications to deepen their understanding of how physics connects to everyday life and emerging technologies.

By the end of the course, students will not only be prepared for future studies in science, engineering, or technology, but will also gain an appreciation for the role of physics in society and the natural world.

TEXTBOOK

N/A

**REQUIRED
SUPPLIES/
MATERIALS**

Calculator and a learning medium (notebook and writing utensil, ipad, computer etc.)

**GRADING
CATEGORIES/
PERCENTAGES**

Assessments (tests & quizzes): 50%
Labs & Projects: 30%
Classwork & Practice: 20%

District Policy - [5600](#) Code of Conduct

Students who cheat on a test, plagiarize, misuse AI, or refuse to submit an assignment may suffer a reduced grade due to disqualified work.

Marking Period

- [ELA Grading Profile](#)
- [SS Grading Profile](#)
- [Math Grading Profile](#)
- [Science Grading Profile](#)

**GRADING
SCALE**

Middlesex County Magnet Schools policy [2624](#) - Grading System

A+ 100-98	B+ 89-86	C+ 79-76	D 69-65
A 97-92	B 85-82	C 75-72	F 64 and below
A- 91-90	B- 81-80	C- 71-70	

**CLASSROOM
RULES/
EXPECTATIONS**

- Students are not permitted to use any equipment on which they have not been trained
- Any injury including a cut, burn, fall, etc. must be reported immediately to your instructor
- All instructor established safety procedures must be followed at all times.
- All applicable OSHA and PEOSH regulation must be followed
- All required Personal Protective Equipment must be worn during hands-on instruction
- Subject to change as needed with prior notice to students and parents

**MAKE UP
WORK:**

Middlesex County Magnet Schools Board [Policy and Regulation 5200](#)

Students that are absent from school for any reason are responsible for the completion of assignments missed because of their absence. The parent or student is responsible for requesting missed assignments and any assistance required. Teachers will cooperate in the preparation of home assignments for students who anticipate an absence of five or more school days in duration. **Students will be allowed two days to make up missed work for each one day of absence.**

In accordance with N.J.S.A. 18A:36-14, a student who is absent from school for observing a religious holiday has the right to take an alternate test or examination that was missed because of the absence provided there is a written excuse of such absence signed by the parent.

Middlesex County Magnet School [Policy 2624 - Grading System](#)

If the make-up work is not completed in the time required, a failing grade for the marking period will be given for the assignments that were not completed, which may result in a failing grade for the marking period.

**LATE WORK
POLICY:**

Unexcused late work will be penalized by a 10% grade reduction per day for a maximum of 60% grade reduction.

AI POLICY

AI can be a helpful tool to check understanding, however, any work submitted that is AI generated will not be accepted.

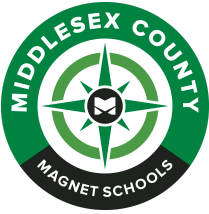
**ELECTRONIC
DEVICE
POLICY:**

[District Policy 5600](#) - Student Code of Conduct

Students are expected to engage in instruction without interruptions from any electronic device including but not limited to cell phones, computers, watches, or VR glasses. Devices should be stored in a student's bag or locker unless express permission is provided by the instructor.

Infraction	1st Occurrence	2nd Occurrence	3rd Occurrence
Using an electronic device in an inappropriate manner	2 Administrative detentions	Device confiscated and 3 Administrative detentions	Device confiscated 1 day suspension

PLEASE RETURN THE NEXT PAGE WITH SIGNATURE BY



School Name
COURSE NAME SYLLABUS
Teacher Name
Teacher Email

I have read and understood the course policies and expectations.

print student name

student signature

date

parent/guardian signature

date

parent email

parent phone number

Which form of communication is preferred (circle one):

Email

Phone

