

## Physics 2 Honors Syllabus 2022-23

Instructor: Mr. Jason Olson

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Website: [www.physicsy.com](http://www.physicsy.com)

Room: 219

### Course description

Physics 2 Honors has a comprehensive approach to classical concepts of mechanics, matter, and energy and will include modern concepts of relativity and quantum mechanics. An emphasis will be on inquiry-based laboratory activities. Philosophical aspects of physics will also be discussed. An understanding of mathematics including (but not beyond) basic differential and integral calculus will help students achieve success.

### Course objectives and standards

The instructor's primary goals are to instill an understanding and appreciation for the objective, physical world. The content goes beyond fundamental physics because the universe is not a simple place, and we are not simple creatures that inhabit it.

Assignments, notes, and laboratory instructions will be at this website:

[www.physicsy.com](http://www.physicsy.com).

### Grading policy

Grades will be determined based on the percentage of the total points earned by the student on exams, quizzes, laboratory work, and homework. The grading scale is as follows:

90-100% of total points earned .....	A
80-89.4% of total points earned .....	B
70-79.4% of total points earned .....	C
60-69.4% of total points earned .....	D
Less than 60% of total points .....	F

The instructor will make every effort to keep grade current and accurate in Focus. His goal is that the final grade a student *earns* represents what that student *knows* at the end of the course. *Formal* extra credit will not be offered. Do not take that to mean that he does not recognize the excellence each student can bring to class. Students will be given three days for every period of absence to make up work they missed, otherwise, turn it in on the due date before class begins. Late work will not earn full credit. Cheating or plagiarism will result in zero points for the assessment, lab, or assignment.

### Required materials

Students are expected to come to class with a notebook used exclusively for Physics, a pen or pencil, and any other materials requested for the day. A student is considered tardy if he/she is unprepared for class when the bell rings. A scientific calculator is encouraged, and students will practice basic math skills throughout the year. A cell

phone is not always an acceptable substitute for a calculator as it cannot be used for tests, but there will be purposes for these devices throughout the year.

**Science lab fee:** All science classes have a laboratory fee of \$10.00 to pay for basic materials needed throughout the year. We encourage that to be paid online at [www.myschoolbucks.com](http://www.myschoolbucks.com).

### **Classroom rules and procedures**

All rules will be enforced as written in the Gulf Breeze High School Student Handbook and Code of Conduct. Students are responsible for reading and understanding those rules. The instructor has a sensitivity toward behavior that is disrespectful to school property or any person. That includes foul language of any sort provided in any context.

Students will practice procedures that ensure the efficient use of time and space in the classroom (and outside). The instructor takes his responsibility seriously to ensure every student's right to learn and be treated fairly. Safety is the first consideration - defiance is the last. What happens in Physics 2 stays in Physics 2.

### **Cell phone policy**

A cell phone is allowed during class for academic purposes relating to the task at hand, and never during assessments. If you are unsure whether your use will be considered appropriate, ask. Otherwise, keep your phone silent and out of sight. Violation of the cell phone policy will result in restricted privileges and an instructor that looks upon you with disappointment for the rest of the year.

### **Make-up work and extra help**

Making up work is the student's responsibility. However, in the interest of student learning, the instructor will do his best to ensure that this process goes as smoothly as possible, especially if the absence was due to a school-sponsored activity. I offer extra help before and after school on most days. An appointment is preferred, but impromptu visits are also welcome.