

Physics in the Universe

Teacher	Location	Contact Phone	Email	Website
Mrs. Steever	PHS 103	ext 65xxx	msteever@sjusd.org, Mrs.Steever@gmail.com	Steeverphysics.yolasite.com (Google Classroom)

➤ **Back to School Night: Thursday, August 29th, 2019 @6:00 PM**

Philosophy: Physics is the most foundational of all sciences -with a skill set that translates into the other science course offerings: Chemistry, Life or Earth Sciences. Our "Physics First" program will focus on essential science concepts and skills through the study of Physics, freeing the subsequent science classes to deepen their content instruction.

Course Description: This introductory course is a qualitative study of the central concepts of physics and follows the newly adopted Next Generation Science Standards (NGSS). Students build conceptual understanding of physics and foundation in terms that are practical and relevant to the world around them. Topics include: Forces and Interactions, Energy, Thermodynamics, Waves, Fields, and Scientific and Engineering Practices. Student activities emphasize visualization, comprehension, and application of concepts before introducing mathematical descriptions and problems. Laboratory work develops proficiency in scientific investigation and problem-solving skills. This course prepares students for more advanced and quantitative college preparatory physics courses, and fulfills the Physical Science A-G requirement for graduation.

Homework: Homework will be typically lab work or analysis that was unfinished in class, reinforcing (practice) problems, or reading assignments to aid in activity connections. It is not necessarily a daily occurrence.

LATE Work: Will be accepted for one week past the due date. 10% points will be removed per day of lateness.

Web Access: Assignment and calendar postings will be available on line via google classroom and/or classwebsite. Electronic copies of class assignments will usually be posted on line.

Make-up work: Lab work/ class work missed during excused absences from class can be made up during advisory periods and after school by appointment. Other times may be available by appointment. Students are allotted 2 days per day of absence to arrange for make up work or full credit is forfeit. Students are responsible for retrieving/asking for missed work. Optional school related absences must be cleared **before** the date of absence.

Grades: Grading is done by weighted categories:

*35% Applications (50% zero category)

25% Reinforcement (Graded 0-4)

*30% Assessments (50% zero category)

10% FINAL exam

Student's grade current status is available on Infinite Campus. Grades are generally entered within 7 school days of assignment completion. **Academic Dishonesty forfeits any credit for assignment or assessment.**

Grading Scale: (no plus or minus grades are used as they do not compute differently in GPA)

90-100 A

70-79 C

Below 59 F

80-89 B

60-69 D

Extra Credit: Extra credit assignments may be offered throughout the semester. They may NOT be requested on behalf of individual students. Extra credit is considered only after completion of all regular assignments and cannot replace standard class work.

Out of class contact: Please feel free to set up an appointment with the teacher to discuss your concerns. Parents are always welcome in class. Every effort will be made to return your phone calls or e-mails within a 24-hour “school day” window. Email is preferred primary contact.

Supplies: Students should come equipped with these basics:

- 2 - #2 pencils with eraser
- Black or dark blue ink pen and red pen (No GEL Pens!)
- Standard Composition Book (quadrille recommended)
- High-lighter marker
- Lined paper
- Binder/dedicated section
- Whiteboard marker
- Ear buds/headphones

Students should have a binder section/or separate binder/folder dedicated to science where they can keep their assignment sheets, notes, and any on-going work. If providing these supplies presents a hardship, please let the teacher know.

Textbooks: Textbooks will be available to the students in class and are NOT the primary content delivery source. They will be checked out on a case by case basis as needed.

Text for Honors Physics class: Glencoe Science: Physics Principles and Problems

Text for Physics: Conceptual Physics by Paul Hewitt

Field Trips: The immediate neighborhood may be used for science studies. This includes (walking) the Pioneer campus under supervision and may include other places extending to up to a six-block radius of campus. Parents/Guardians will be notified in advance of any field trips that are farther a field or require other means of transportation.

Discipline/Behavior: Behaviors that detract from learning are not permitted. Alternative assignments, temporary reassignment to another classroom, required parental involvement, and on-campus suspension/administrative referral may be used to redirect misbehaviors.

GENERAL CLASS RULES:

- Food, gum, candy, or beverages are ingested outside the classroom only (water is the exception).
- Personal Grooming should be done outside of the classroom
- Passes granted on a case by case basis
- Profanity, rude or inappropriate behavior is non-negotiable, good manners rule the day.
- Active (without specific permission) personal electronic devices will be confiscated. Devices must be turned OFF in and will be stored during class

STUDENT RESPONSIBILITIES

- Be on time. (In seat when the bell rings)
- Be prepared to work. Bring your supplies every day (book only on request)
- Seek help when not understanding a concept. Make time to get help.
- Maintain a clean classroom. (Class will not be dismissed if the room is not clean)
- Follow all the expectations and rules when there is a substitute.

