



2017-2018 COURSE SYLLABUS

Physics P (QPS201)

1 year (10 Credits)

Course Description

Physics P is a two-semester course covering general physics, which is designed to meet the needs of students pursuing a science major in a university or college. The course encompasses general principles of classical physics (Full outline under Course Outline heading). These major areas will overlap to reemphasize and build a sound foundation in physics. The laboratory portion will correlate with the instructional units of this course. This course meets the A-G Requirements for the University of California and is aligned with the California Science Content Standards for Physics

Contact Information:

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- Website: www.funphys.com

Textbook

Physics: Principles & Problems (Glencoe/McGraw Hill) c. 2005

Required Materials:

- 2-inch Three-Ring Binder (5 Sections)
 1. Lined Paper for notes, daily agendas, homework.
 2. Reference materials (e.g. periodic table, charts, values, etc.)
 3. Work that is to be turned in.
 4. Work that you keep to study/open note quizzes.
 5. Graded work. (Keep your stuff)!
- Pens (Blue/Black Ink Only), Pencils, highlighter
- Scientific Calculator
- USB Flash Drive (recommended).

Course Outline (Topics covered in this course)

- Introductory Lab Skills & Basic Calculations
- Motion & Forces
- Momentum
- Gravitation
- Energy, Work, and Simple Machines
- Thermal Energy
- States of Matter
- Waves
- Physics of Sound and Light
- Optics
- Electricity & Magnetism
- Nuclear Physics

Course Objectives : In addition to the topics mentioned above, students will learn academic reading, writing, and speaking skills. Students will use inquiry and critical thinking skills to solve problems.



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Late Work vs. Make up Work:

Late work: If you were in attendance, were aware of the assignment(s), and simply did not do it or waited until the due date or after to do it, it is LATE! Late work will be issued a 20% per day deduction until the grade reaches zero. It is unfair to those students who do their work on time. With total amount of students, feedback must be given in a timely manner. Late deductions will be in place for 2nd Semester.

Make-up Work: Students with a verifiable excuse will be given the opportunity to make up their work. I will have short forms for you to complete and attach to make-up work when needed.

If a student is suspended or an absence is unexcused, makeup work will **NOT** be provided and a zero grade will be issued. Students can get their make-up work by:

1. Checking my website (where you can get information & download material). www.funphyz.com
2. Accessing the worksheets in class.
 - Students have the length of time that they were absent to make up their work. (e.g. if you were absent one day, you have one day to make up the work and turn it in; two-days absent, two days to submit, etc.).
 - This goes for all excused absences, field trips, illness, family emergencies, and sporting/academic events,
 - When submitting make-up work: list the date(s) you were absent.
 - I update grades in Infinite Campus weekly. Please check on Mondays for the most recent grade. If you want good feedback, it takes time for me to provide it.
 - Tests & Quizzes are announced in advance; If absent, makeups must be done at lunch or after school within two days of your return.

Tutoring:

Need help? I am available before school (7:30 a.m.-8:15 a.m.) and at lunch Monday, Tuesday, Thursday, and Friday. I am also available Wednesdays after school from 3:30-4:30. You can also email me with questions.

Academic Expectations

1. Be prepared and ON TIME every day: at your desk when the bell rings, writing agendas. Bring binder and materials daily. Bring text when assigned.
2. You will start the semester with 100 points participation credit. It is up to you to keep it. If you have your cell phone out during discussion, sleeping, doing work from other classes, listening to music, etc. (other distractions), I will deduct points each time and record it in IC.
3. No Food or Drinks! - This is a laboratory classroom. Due to the exposure of chemicals, no food or drink allowed. A closable water bottle may be used at your desk.
4. Be respectful of your fellow classmates and the teacher. Respect is earned!
5. Practice Academic Integrity. Plagiarism, Cheating, and Dishonesty will not be tolerated. Zero grades will be issued.
6. Ask for help when needed! Try your best and keep up in class.

Grade breakdown:

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|------------------------------------|--------------------|
| • Warm-up's/Homework 10% | A = 89.5-100% |
| • Participation 10% | B = 79.5-89.4% |
| • Laboratory/Research/Projects 25% | C = 69.5-79.4% |
| • Quizzes 15% | D = 59.5-69.4% |
| • Chapter Tests 25% | F = 59.4% or below |
| • Comprehensive Final 15% | |

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HOME OF THE COUGARS

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