

AP Physics 1 Course Syllabus 2018 - 2019

Teacher Information

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Textbook

- Title: College Physics, 3rd Edition
- Author: Knight, Jones & Field
- Publisher: Pearson
- Copyright: 2015

Course Outline

*Subject to change

Unit	Description	Chapter(s)	Duration
1	Kinematics	1, 2, 3	6 weeks
2	Forces and Newton's Laws of Motion	4, 5	6 weeks
3	Work, Energy and Power	10, 11	4 weeks
4	Momentum and Collisions	9	4 weeks
5	Gravitation and Circular Motion	6	4 weeks
6	Torque and Rotational Motion	7, 8	4 weeks
7	Simple Harmonic Motion, Waves, and Sound	14, 15, 16	4 weeks
8	Electrostatics and Simple Electric Circuits	20, 21, 22, 23	4 weeks

Required Materials

- 3-Ring Binder and paper

Assignments

Homework and classwork must be submitted on time for full credit. This class will utilize the Mastering Physics program online for the majority of homework assignments. Additional homework may be assigned from the textbook or handouts. Homework is to be done individually, not collaboratively. Classwork assignments must be finished in class, and can be done collaboratively as per the teacher.

Binder

Each student must have a 3-ring binder, in which they keep notes, assignments, and assessments. Each day, the objective, the "at-the-bell" question, notes, examples, and other pertinent information should be recorded in the student's binder. If a student is absent, they are still responsible for obtaining the day's notes and materials. Random binder checks will occur in the form of a pop quiz based on materials in the binder.

Grading

- Homework/Classwork 25%
- Tests/Quizzes 50%
- Labs/Projects 25%

Tests and Quizzes

Tests will be administered at the end of each unit. Quizzes will be intermittently given throughout each unit. If a student is absent on the day of a test, the student must take the test within three days of their return to school. Make-up tests must be taken outside of class time, and the make-up test may differ from the assessment given on the regularly scheduled test day.

After tests are graded and returned, students may earn half of the points lost by making corrections. Corrections must be made on a separate sheet of paper, and must be stapled to the original graded test. No partial credit will be awarded for incorrect corrections.

Cheating and Plagiarism

Any student caught claiming someone else's works as his or her own will receive a 0% for that assignment. This includes, but is not limited to, cheat sheets, copied homework, and plagiarized lab reports. All written work must be cited and paraphrased. Students are expected to complete homework, tests, quizzes, and in-class assignments independently unless otherwise directed.

Labs

Labs will be intermittently performed throughout each unit, and will make up 25% of the course. Students should make their best effort to be present on the day of a lab. Labs are typically conducted in groups, and missing one day of a lab is detrimental to both the individual and the group. Labs must be made up after school within one week of the regularly scheduled day, and outside of regular classroom time (ex. after school).

Cell Phone and Device Policy

Cell phones may **not** be used in class unless specifically directed by the teacher. Cell phones can be used as timing devices, remote clickers, etc. when directed.

Expectations

- Be on time and prepared for class each day.
- Respect people and property.
- Always do your own best work.
- Ask questions and challenge yourself!

Please read the AP Physics 1 course outline and expectations. If you have any questions or concerns, please email Peartrea@nasdschools.org.