

Regents Physics Some High School (2016-2017)

Course Syllabus

I. CONTACT INFORMATION

Teacher Name
Some High School
email@schools.org
Room: 42

II. COURSE DESCRIPTION

Regents Physics is based on the NYS Core Curriculum for Regents Physics and ends in an **in-class** final exam. The Physical Setting/Physics Core Curriculum is an elaboration of the science content of the MST Learning Standards. In addition to Standards 1, 2, 6 & 7, this course is expected to prepare students to understand and apply scientific concepts, principles, and theories pertaining to the physical setting and recognize the historical development of ideas in science. The topics of mechanics, energy, electricity/magnetism, waves and modern physics are addressed in two key ideas: the forms and conservation of energy; the interaction of energy and matter.

III. MATERIALS AND RESOURCES

During the course of the year, we will use a variety of tools to assist our learning. These can take the form of stationary, lab equipment, textbooks, and human resources.

A. Stationary

To be brought to class every day.

- Composition Notebook (or spiral bound)
- Writing Instrument (Pen or Pencil, any color)
- Folder or 3-Ring Binder

B. Online Resources - Verified

Websites that provide additional forms of instruction.

- 1) www.RegentsPrep.org (Practice Problems)
- 2) www.APlusPhysics.com (Textbook & Videos)
- 3) www.phet.colorado.edu (Interactive Simulations)

C. Human Resources

Some High School is fortunate enough to have multiple physics teachers that are able to help you. I am available before and after school everyday. Additionally, you may seek help from one of the other physics teachers ...

- Mr. Anderson - 43
- Mrs. Baker - 44
- Dr. Zhivago - 45

IV. COURSE CONTENT & GRADES

Regenbts Physics is a cumulative course in which course materials is built upon previously learned concepts. Therefore, successful navigation requires you to master concepts from each unit. In the event that content is not mastered by the completion of a unit, it is your responsibility to seek additional help to learn the material **BEFORE** the next unit.

A. Units:

- 1) Scientific Skills
- 2) Constant Velocity
- 3) Uniform Acceleration
- 4) Balanced Forces
- 5) Unbalanced Forces
- 6) Energy
- 7) Uniform Circular Motion
- 8) Momentum
- 9) Static Electricity
- 10) Magnetism
- 11) Circuits
- 12) Wave Characteristics
- 13) Wave Phenomenon
- 14) Light

*Generally speaking, we will cover a unit every 2-3 weeks depending on length and depth of coverage

B. Grades

Successful completion of this course will be evaluated based on several components. Additionally, graded assignments used are intended to reflect your personal

progress throughout the marking period and school year. Grades will be based on the following:

- 1) Tests on Week 4 & 9 each Marking Period (35%)
- 2) Weekly Quizzes Every Wednesday (25%)
- 3) Data Collection and Analysis (15%)
- 4) Lab Write-up (15%)
- 5) Assignment (10%)

Effort will be taken to ensure that work completed outside the normal class period will not benefit from academic dishonesty, so as to not give a false representation of your actual learning and understanding.

C. Final Exam

In the 4th Marking Period, students will complete a 3-day final exam during class in-class the 2nd to last week. The exam will make up 25% of the 4th Marking Period grade and will cover material from the entire year.

D. Extra Credit

In addition to the regular classroom work, extra credit assignments will be available periodically throughout the year (*minimum of one opportunity per marking period*). The purpose of extra credit is to provide an extended learning experience beyond the regular classroom material, but is not a way to make up for lack of effort during the marking period. Material covered will include interesting/important topics not covered by the NYS Core Curriculum for Physics, or activities that are considered above the difficulty of normal course content. Students will have the opportunity to increase their marking period grade by a maximum of 5% depending on their level of completion and number of opportunities undertaken.

E. Academic Dishonesty

Academic Dishonesty in this course will be defined as any action undertaken that results in a false representation of a student's ability or learning. In the event that an incident takes place, administration will be notified an appropriate steps will be taken based on their recommendation. Don't do it!

F. Late Work

It is my expectation that all work will be turned in the day it is due during your regular classroom period. I expect you to work hard and put in a solid effort. Additionally, you should expect me to work hard and put in a solid effort. Our classroom policy on late work is as follows ...

1) *Student*: Late work will be subject to a penalty of 20% per day. In the event of absences, the penalty will be effective beginning the day after the first day your return to school (regardless of future absences).

2) *Teacher*: All assignments will be graded within 3 days of the due date and grades will be available to the student (online or by asking me before or after class). In the event I fail to grade an assignment, a penalty will be assigned in the benefit of the students (10% for each day the assignment remains ungraded).

3) *End of Marking Period*: Due to time constraints, late work will not be accepted the after the last week of each marking period. This is a firm deadline due to grade reporting procedures.

V. CLASSROOM POLICIES

In order for optimal learning to take place, our classroom must be organized and controlled. It is expected that ALL students will maintain behavior representative of a "Tech Student" at all times and as outline in the **Student Handbook**.

It is expected that I maintain a climate of respect in the classroom at all times. Respect comes in several forms...

- Student to Student
- Student to Teacher
- Student to Materials/Classroom
- Student to Self

Minor infractions will result in a verbal or nonverbal correction. Major infractions or frequently occurring infractions will involve administrative involvement and/or parent involvement.

VI. CONTACT INFORMATION

- Email: myemail@school.org (Best way to contact)
- In-Person: Open House or by Scheduled Appointment
- School Phone: (XXX) XXX-XXXX

In the event you have any questions, concerns, requests, etc. please contact me using one of the methods above.

VII. DISCLAIMER

It is impossible to fully encapsulate everything into a single document. Therefore, I reserve the right to modify this syllabus based on events occurring within the school year. Modifications will never be punitive and will be made to ensure our classroom is a safe and productive learning environment for all students. Additionally, modifications to grade structure will be made if and only if they are to the benefit of the students.