

Physics

Spring 2010
M-F 12:31 – 2:06
Science Room

Instructor Information

Instructor's name: Blaine Bacon
Instructor's office hours: M-F 8:00-9:00am or 2:06-3:43
Instructor's office phone: 428-5591 ext. 17
Instructor's e-mail address: bbacon@sfcss.org

Course Description and Goals

Physics is a branch of knowledge that involves the study of the physical world. Physicists investigate objects as small as subatomic particles and as large as the universe. We will study the natures of matter and energy and how they are related. Learning will take place through a variety of avenues including: the text, laboratories, videos, and other hands-on learning activities.

Requirements and Policies

Required Texts Physics: Principles and Problems by Glencoe

Grading*

* Each student's lowest homework score and quiz score will be dropped each quarter.

Homework: 21.4%

Labs: 21.4%

Test/Quizzes: 42.6%

Quarter Test: 14.6%

Attendance

- See handbook
- Whenever possible, assignments for absences should be acquired AHEAD of time so that the student can submit the work before the absence.
- Make-up work for short-term absences will be due by the end of the second day for every day absent.

Quizzes

Announced and unannounced quizzes will be taken throughout the school year. They should be made up ahead of time if at all possible.

Papers

--Papers will be handed in with the following information contained in the top-right corner of his/her paper:

- a) Full name
- b) Date
- c) Assigned pages and problem #s
- d) Class will be centered on the top of your paper

* 5% deduction if any of the above information is missing

--No Fringes!!!

--Vocab: Terms will always be collected on the day of the test at the beginning of class. Terms must be hand-written!

--Current Events: Each student is required to complete a current event every month. Students must follow the assigned template.

Tests, Mid-term and Final Exam

- I will grade on a curve using my discretion.
- Students will spread out so they are seated in front of a sink at the lab benches.
- No questions about the test can be asked after the test is distributed.
- Students will not photocopy or write down questions from any of the tests

Late Work

- 1 day—10% deduction
- 2 days –25% deduction
- 3 days—50% deduction
- 4 days—grade will be recorded as a zero

Trips

- April 13th we are tentatively planning on attending the Minnesota Twins vs. Boston Red Sox as a party on “Physics Day.”
- April 23rd we are planning on participating in the SDSU Engineering Expo (Each student will participate in the bridge building contest and one other event)

Classroom Expectations

- “Mr. Bacon” or “Coach Bacon”
- Bell rings, find your seat, give me your attention
- Take roll, I will pick somebody to pray, current events
- You will NOT touch the gas or water valves without permission
- Use inside voice
- Cell phones may only be used with permission (if I see them I take them)
- Shirts must be tucked in
- GOLDEN RULE!!

Supplies

- pencil/pen
- highlighter
- 3 ring binder
- loose-leaf paper
- dividers
- calculator
- red pen

Outline of Course

| <u>Unit</u> | <u>Chapters</u> |
|---------------------|------------------------|
| 1) Matter & Energy | 1-2 |
| 2) Mechanics | 3-11 |
| 3) States of Matter | 12-13 |
| 4) Waves & Light | 14-19 |
| 5) Electricity | 20-26 |