

Regents Physics Syllabus

Teacher: Mr. Swart

Email: mswart@saugerties.k12.ny.us

Phone: (845) 247 6651 Ext. 1423

Room: 423

Course Materials:

-Spiral Notebook, College Ruled

-Writing utensils (Pencils)

-Folder for handouts

-Spiral Notebook, Graph Ruled

-Scientific calculator

Course Description:

Physics is the branch of science concerned with the nature and properties of matter and energy. The subject matter of physics, distinguished from that of chemistry and biology, includes mechanics, heat, light and other radiation, sound, electricity, magnetism, and the structure of atoms. In this course students will explore these topics through hands-on laboratory experiments and using scientific thinking, reasoning as well as problem solving skills. This course will at times be very math heavy, taking an algebraic and conceptual approach to explain and support the fundamentals of classical physics.

Unit(Estimated date of completion):

1. Measurement/Math Review (9/24)
2. Motion in One Dimension-Kinematics (10/15)
3. Dynamics/Forces (11/5)
4. Motion in Two Dimensions-Projectiles (11/23)
5. Uniform Circular Motion/Universal Law of Gravitation (12/10)
6. Momentum/Impulse (1/7)
7. Work, Power, and Energy (1/28)
8. Electricity and Magnetism (2/25)
9. Waves (3/18)
10. Modern Physics (4/8)

***Keep in mind these dates are subject to change based on the pace of the class.**

Grading:

- Tests.....50%
- Quizzes.....20%
- Labs.....20%
- Homework/Participation.....10%

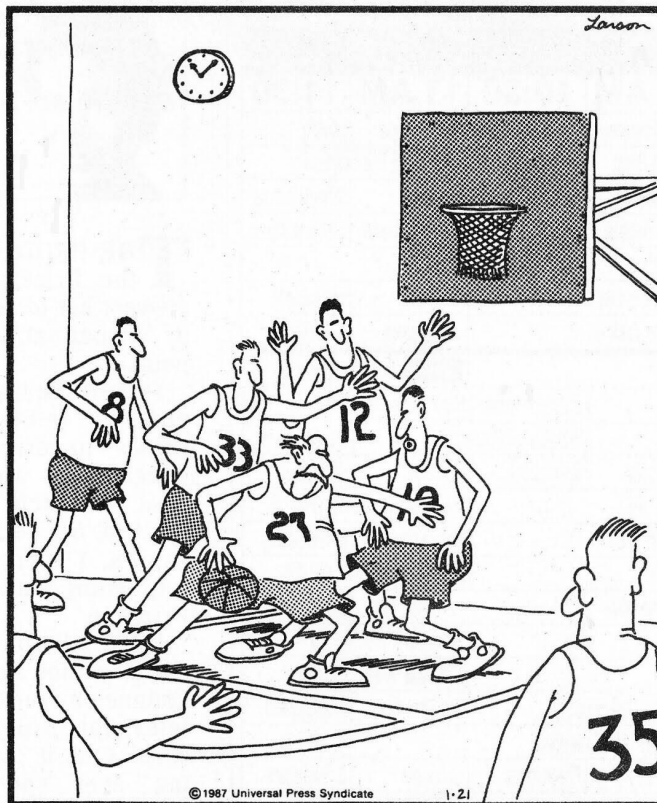
Classroom Expectations:

1. Students will come into class prepared, ready to put forward their best effort, and most importantly ready to learn.
2. Respect is very important. Students will be respectful to their teacher and their fellow students at all times.
3. If a student is absent, it is their responsibility to come and talk with me to find out what they missed-check Google Classroom on a regular basis.
4. All cellphones will be away during class, unless told to use for educational purposes.

Make up work/Extra Help:

For any students who may need to make up a lab or any work that they have missed and for those students who would like extra help, I am very happy to stay after or make my lunch available for those students. I am available most days after school, posting the days I have extra help on my board.

THE FAR SIDE—by Gary Larson



Unbeknownst to most historians, Einstein started down the road of professional basketball before an ankle injury diverted him into science.