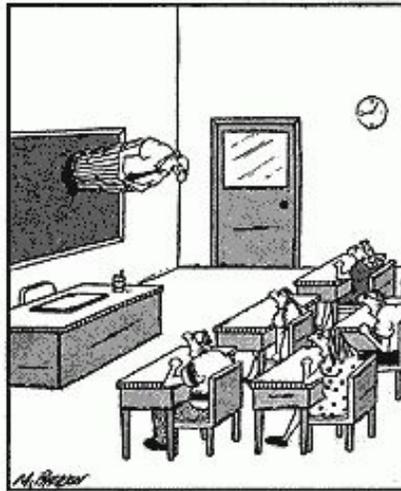


Physics



"Good morning, and welcome to
The Wonders of Physics."

Welcome to physics with Ms. Agnostak! In this class, we will be constructing physics concepts and models through observation, testing and application experiments. Just like scientists, there will be times for individual work as well as times to work collaboratively with other members of the class in order to solve problems. Active participation is a key component to being successful with your group. The goal of this course is for students to become scientifically literate and use scientific reasoning to analyze the world around them. As long as you work hard and pay attention, you will be successful in this class!

Contact Information

Email: kagnostak@bhpsnj.org
Phone: (908) 464-3100 ext-2312

Materials

For physics you will need the following materials

- Notebook to work in and take notes
- Folder or binder to place any handouts in
- Calculator
- Pencil

Textbook

- Physics: Principles and Problems, 2005. Glencoe/McGraw Hill. ISBN:0078458137

Topics Covered

- Kinematics
- Dynamics
- Uniform Circular Motion and Planetary Motion
- Momentum
- Energy
- Electrostatics
- Circuits/Magnetism
- Wave Properties
- Optics

Classroom Expectations

- Please arrive on time to class
- Students should always be respectful towards their peers. This is a class where ideas and opinions guide the instruction, so respect towards others is key in order for the class to function.
- Do not impede the learning process of your fellow classmates.
- Plagiarism and cheating are serious infractions and will be treated as such. If it is found that you have cheated or plagiarized you will receive a zero for the assignment and you will be referred to the assistant principal . This includes all individual submitted labs. In instances where there is more than one person involved, both people will be disciplined equally.
- If you are absent, you will be expected to obtain missing work and make-up any missing work. If you miss a test or quiz you need to make it up as soon as possible, preferably 1 day after you return to school. If you know you will be missing in advance, please inform the teacher so that arrangements can be made to make up any work you will miss.
- Late work will not be accepted

Grading and Resubmits

This class will consist of homework, formal labs, quizzes and tests. Grades will be calculated based upon a total points system. In general, homework is worth 5 points, labs are worth 15 to 20 points, quizzes are worth 5 to 20 points and test are worth 100 points.

All homework, handouts or important information for the class will be found on Google Classroom.

Additionally, you have the opportunity to resubmit your quizzes in order to get a better grade. In order to do this, you need to correct the mistakes you made on the quiz along with a short explanation as to what you did incorrectly the first time and what you learned. You can only receive a maximum of half of the points back that you originally lost. For example, if you had a grade of a 70%, then the maximum grade you could receive after you do your re-submit is an 85%

Extra Help

I am available for extra help during the following times:

- Before school at 7:25
- After school or during lunch by appointment

Helpful Advice

Below is some advice from the students who took Physics last year.

- Work hard on labs and do practice problems.
- Do your homework and make sure you study!
- Pay attention and don't be afraid to ask for help
- Always do the Homework
- Physics isn't that hard if you pay attention
- Don't make problems more complicated than they actually are.
- Copying people's answers will not help you
- This class contains many packets and many interactive labs.
- Don't leave answers blank- partial credit is almost always possible
- Do not fail the quizzes just because you get half the points back
- I wish I knew that everything in physics builds off of each other. It is June and we are still using kinematics and kinematics equations in topics we've covered recently. I wish I knew to not just throw kinematics out after the test. The same goes for dynamics especially. Force diagrams appear in almost every unit so I wish I knew to not forget about those after the dynamics test.
- Everything moves quick
- That Physics is going to be difficult at first because you aren't used to this type of science. It will be frustrating, but then after lots of practice you will understand it and it will be 1000x easier. You just need to get used to physics.
- Bring a calculator and pay attention
- Take notes. Visit Ms. A at lunch if you don't understand something, because if you don't figure it out it will mess you up for the rest of the unit.

