**Physics, 2015-2016 School Year **

**Teacher: Mrs. Takash**

**Room:173**

**Email:takashs@parmacityschools.org**

**Website:mrstakakash.weebly.com**

**Phone: 440-885-2330**

**Course Description:**

This is **physics**, the study of matter with motion through space and time. We will be learning concepts such as energy and force. We will apply laws such as Newton’s laws to understand how nature and the universe behave. Some specific topics we will cover in this class will be forces, motion, work, energy, torque, angular momentum, gravitation, thermodynamics, electricity, waves, and optics. I promise this is a fun interactive class. We will be doing a lot of simulations online which I will provide to further understand these topics and laboratories to give a hands on experience to these natural phenomena.

**Textbook:**

Physics Principles and Problems

Class Set

**Materials**

1. Each student will need a 3-ringed binder to take and hold all your written notes. Handouts will also be given in certain situations therefore; a folder of some sorts will allow you to be more organized.

2. Loose leaf notebook paper

3. Paper, highlighters, pens, and pencils (your preference), should be brought to class every day.

4. Lab equipment will be supplied through me/the school

5. A **CALCULATOR,** at least a TI-30 will be needed **EVERYDAY**

**Course Schedule:**

|  |  |
| --- | --- |
| **Semester 1** | **Semester 2** |
| Measurements and Graphing | Static Electricity |
| Mechanics and Motion | Current Electricity and Circuits |
| Newton’s Laws | Magnetism |
| Universal Gravitation | Waves and Optics |
| **Midterm** | **Final** |

**\*Schedule may change at teacher’s discretion.**

**Binders:**

A three ring binder with dividers is required for your notebook. This is required to be in class **every day.**

All homework, notes, classwork, etc., for the entire grading period must be kept in the binder.

All papers must be kept in order, as given by the teacher, and have holes punched in the papers.

Neatness is important.

Notebooks will be evaluated at the end of each grading period for a grade. They may also be checked at other times.

**Grading**

|  |  |
| --- | --- |
| **Daily Grades (Homework, Classwork, Quizzes)** | **20%** |
| **Projects and Labs** | **30%** |
| **Tests** | **40%** |
| **Notebooks** | **10%** |

**Class Rules**

1. Be on time, sitting quietly every day in your seat (with all materials) when the bell rings

2. Raise your hand when you wish to speak. Discussions will be encouraged but shouting is discouraged.

3. Be courteous to myself and your classmates

4. Absolutely no food, drink, makeup, throwing objects is allowed in the class room. This is a lab room therefore; this is for your own safety

5. Keep your hands to yourself.

6. **ABSOLUTELY NO** cell phones are permitted during instructional time. These items may be confiscated if there is persistent use.

7. Time will be given in class to complete some assignments. **IF THE TIME IS NOT BEING USED, IT WILL NOT BE GIVEN.**

**Consequences**

1. Verbal Warning

2. Written Behavioral Log

3. Student-Teacher Conference

4. Parent Phone Call

5. Teacher Detention

6. Administrative Referral

**Cheating**

**Anyone caught receiving or giving work will be given a zero. There is no room for this kind of behavior.**

**Make-up Work:**

When a student is absent from class, it is their responsibility to make sure they make up their assignment. When a student returns from their absence, they should check with myself for any missing assignments.

All make-up work must be completed and turned in.

If a student is absent on the day of a test or on the day of an assignment is due and has been notified of the assignment in advance or was aware of the assignment, then the student will be expected to make up the test on the date of their return.

**Extra Help**

 I am available before and after school, or during my free periods. Please feel free to see me if you need any help with anything. It is my privilege to encourage your learning, please do not hesitate.

The website **mrstakash.weebly.com** is also a great tool which we will use throughout the course to stay up-to-date and be further connected outside of the classroom. If you are absent or need more assistance, this site provides material covered in class and interactive tools for help. The qr code at the top of the first page gives direct access to the website.

I understand the information in this syllabus and agree to honor the guidelines.

Parents and/or Guardians

Please read and discuss the syllabus with your student to be certain that you both understand all expectations and responsibilities. Please contact me if you have any questions or concerns. Ignorance of the policies are no excuses for failure to follow them. Your support, cooperation, and involvement will exponentially improve your child’s academic success.

Please sign and return this sheet by \_\_\_\_\_\_\_\_\_\_\_\_\_

It takes the cooperation of students, teachers, and parents to have a successful academic experience. Please sign below stating that you have read and understand the policies of this course as outlines the syllabus.

**Students: I have read and understand the syllabus presented. I agree to follow all of the class procedures/guidelines set forth in this contract. I am aware that any violation of this contract or misbehavior on my part may result in removal from the laboratory, office referral, receiving a zero on the assignment, and/or any combination of these consequences.**

**Print** Student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Print** Parent/Guardian Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_

**Parent/Guardian** E-mail Address:

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