

## Mr. Marchand's AP Physics 1 Class -- Rules and Policies

**TEACHER:** Mr. Marchand  
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**REQUIRED MATERIALS:** 80-100 sheet (160-200 page) bound composition book without perforations, scientific calculator (must have [sin], [cos], [tan] and exponents of ten button [EE] or [exp]; **note that  $10^x$  alone is not recommended**), and pencils or blue/black pens.

**COURSE DESCRIPTION:** Physics studies the real world. This includes objects from subatomic particles to galaxies. The course material centers on linear and rotational motion, the four basic forces that describe the interaction of all matter, momentum, energy in its various forms, the description of waves, and electricity in the description of our universe. Laboratories are used extensively to illustrate the physical phenomena that shape our world. Where possible a constructivist laboratory approach and modeling are used; groups of students, following a directed series of questions and experimentation, discover principles on their own.

BROWARD COUNTY GRADING SCALE	APPROXIMATE GRADING BREAKDOWN
The grading scale below is used for all assignments.	
<b>90 - 100% = A</b> <b>87 - 89% = B+</b> <b>80 - 86% = B</b> <b>77 - 79% = C+</b> <b>70 - 76% = C</b> <b>67 - 69% = D+</b> <b>60 - 66% = D</b> <b>0 - 59% = F</b>	<b>Tests 80%</b> <b>Labs 15%</b> <b>Homework 5%</b> <b>Extra Credit</b> <b>Project &amp; Support up to 5%</b>

LINK FOR ACCESS TO CLASS DOCUMENTS:

<https://drive.google.com/folderview?id=0B4qz4LniTXtEflFfaDhYTzdIT3JDRndtNm9oRXVsU2x6U0R0bjRkTHBWLvNqdHdrT3NSVIU&usp=sharing>

**NOTEBOOKS/FOLDERS:** You are required to keep **one hard covered composition book** with **sewn in pages** for class lectures, instructional focus, and laboratories. The composition book should have 100 sheets or leaves (200 pages). Spiral/glue bound notebooks are not acceptable. Pages **must be sewn** into the binding. The pages must **not be perforated** for tear out. You must have the first two sheets, front and back, reserved for a table of contents. Each page must be numbered on the top outside corners. Every day you must bring your composition book, pen/pencil, and calculator to class.

**SEAT WORK & LABS:** During class, students are expected to work as directed in their seats alone, in pairs, or in designated groups – depending on the nature of the assignment. Grades will be determined by the finished product. Work will often include an **on-task** or **accuracy grade** in addition to the assignment grade. This will be based on teacher's assessment of the effectiveness of each individual contribution to work being done or the correctness of measurement. You will receive one warning prior to losing on-task points. Lab report or group grades are determined by randomly picking work from one of the students in the lab group.

**HOMEWORK:** Homework is due at the beginning of class on the assigned due date. Homework is an opportunity for students to practice skills and acquire information before they take a test. Full points will be awarded to students who complete the assignment, do not copy from someone else, and show their work or explain concepts in their own words. Work not submitted on time on the due date will be marked as a zero. Homework covered in class while the student is absent will not be graded – the assignment grade is left excused. Answers can be obtained from anyone's graded homework. A major part of the test material is extracted from the homework assignments. Concept map assignments must be completed and will be graded if absent when assigned.

**QUIZZES & TESTS:** Quizzes will be unannounced, but most preceded by a quick review. Quizzes are weighted as a mini-test. A student does not have to make up quizzes missed from an absence if a chapter or major test can stand as a replacement grade. There will be a scheduled test at the end of every major concept. Tests will be announced. Absent students may be given a different version of the test. A typical major test has a multiple choice or matching part numbered 1 to 25 worth 1 point each. Questions numbered 51 and higher assess higher order thinking skills or common core standards and are worth 5 points or more per question. Typically questions 26 through 50 are left blank.

**EXTRA CREDIT:** Extra credit will be given for those students interested in grading homework or helping set up or trouble shoot laboratory equipment. One way to earn up to 5 points added to your final grade for this class will be by completing an unassigned research type project. I must approve any such projects, before they are initiated. As a minimum research projects must be approved 6 weeks prior to the end of the 18 week semester. Once a student commits to the project, a grade of zero will be entered if the project is incomplete. The basic requirements will be that the project must measure a real physical system, the behavior of the system must be described graphically and described by a numerical relationship and a paper or project mini-board must be submitted after completion of the project. Up to 3 extra credit points can be awarded for a personal commitment to a science extra-curricular or club activity.

All school and county policies will be enforced in class. The following is a list of some important ones to remember.

- **PBHS Honor Code:** Pompano Beach High School prides itself on preparing students for the rigors of college. It is therefore imperative that students do their own work so that they learn content accurately. The faculty expects academic integrity; therefore, students must abide by the PBHS Honor Code when they complete assignments, tests, quizzes, projects, and all other work, both in class and out. Every violation of the Honor Code will result in loss of grade or an immediate referral to administration.
- **Make-up Work:** Students have 2 school days to make up the required work for absences. Homework and most laboratories will not require make-up. The **student** is responsible for requesting make-up work, scheduling any make-up tests/labs and completing the work on time. If a student fails to appear for their scheduled make up, the grade is zero. Any work not completed on time will be marked as a missing assignment "Z". Suspended students must have all required makeup work due on the day that they return to school.
- **Tardies:** Students are expected to be at their desk immediately after the bell rings. Students not inside the room when the period bell rings will be considered tardy and will be issued a detention. Tardy detentions may be served during lunch or after school in my classroom.
- **Passes:** There will be no passes issued during the first or last fifteen minutes of class or during lunch periods. Passes will be issued for emergencies only.

#### **GENERAL CLASS RULES:**

- 1) **Be prepared and on time for class.** Bring your calculator, homework, class notebook, paper, writing instrument and any other materials that the teacher specifies for class work.
- 2) **Remain seated at all times unless otherwise instructed.** Students are to stay seated between the bells. Students will not wander around the room "off task"— especially during labs. Students must ask permission to get up from their seats, for example, to sharpen a pencil. No trips to the trash can during class!
- 3) **Raise your hand to speak in class.** Students are not to call out in class.
- 4) **Respect other people and their property.** Referrals will be written for any direct verbal or physical abuse between students or between a student and the teacher.
- 5) **Cheating is unacceptable.** Everyone will receive a grade penalty and parents will be contacted.
- 6) **Do not play with the water or gas faucets.**
- 7) **Laboratory protocols must be followed at all times.** Work only at your assigned station and with your assigned lab group. No movement or horseplay will be tolerated. Always wear your safety goggles during lab activities if required. Use rubber aprons and gloves if needed. Do not attempt any unauthorized or undirected experimentation or use of lab equipment. Lab equipment are expensive and not toys – treat them with care.

Students are expected to adhere to the Broward County School Board's **Internet and Network Acceptable Use Policy** in all their assigned work.

Dear Parent,

The contents contained in this packet conform to the policies and procedures in Broward County Schools. These guidelines developed by the instructor are subject to modification if necessary. Detach and return this page with both appropriate signatures at the bottom of this page. Keep the rest of this document for future reference.

### STUDENT LABORATORY CONTRACT

I have been instructed in the safety procedures required in this course. I agree to abide by the following guidelines.

1. Safety apparel will be worn when specified by the instructor.
2. Long or loose hair will be tied back. Excessively loose clothing or jewelry will not be worn.
3. All safety rules and regulations will be followed.
4. There will be no eating or drinking in the laboratory.
5. Experiments will be done in the specified order with the prescribed materials or quantities of chemicals.
6. Only the materials and chemicals specified by the teacher will be used. No unauthorized experimentation will be done.
7. The proper use of safety equipment and correct evacuation procedures will be followed.
8. Wash hands thoroughly before beginning and after completing an experiment involving chemicals.
9. Contact lenses will not be worn during specified experiments.
10. **Horseplay** or other inappropriate behavior will not be tolerated during laboratory experiments.
11. Never taste chemicals or smell them directly.
12. Never pick up broken glass with bare hands.
13. Report all accidents, no matter how minor, to the teacher.
14. Do not remove any chemicals or equipment from the lab without the teacher's permission.

Failure to follow these guidelines may result in reduction in grade, disciplinary action, or exclusion from laboratory activities.

I have read the information in the handout labeled

### Mr. Marchand's AP Physics 1 Class -- Rules and Policies

I understand these rules and policies and I understand that I will be expected to abide by them.

Period \_\_\_\_\_  
PRINT Student name \_\_\_\_\_

PRINT Parent/Guardian name \_\_\_\_\_

Student SIGNATURE \_\_\_\_\_

Parent/Guardian SIGNATURE \_\_\_\_\_

Home phone \_\_\_\_\_

Work/cell Phone \_\_\_\_\_

E-mail \_\_\_\_\_

E-mail \_\_\_\_\_