

PHYSICS 1 SYLLABUS

2016-17 SCHOOL YEAR

INSTRUCTOR:

Ms. Laura Zinszer

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MY SCHEDULE:

Advisory	9:08-9:18
1 st Block-Electricity & Electronics	9:20-10:40
Mini Block-Astronomy	10:42-11:07
2 nd Block-Physics 1	11:09-12:29
Lunch – 12:29 – 12:55	
3 rd Block Planning/Academic Lab	12:55-2:17
4 th Block-Physics by Design	2:19-3:45

PHYSICS 1: In Physics 1, you will have the opportunity to earn a full science credit toward graduation. We will study Energy, Uniform Motion, Momentum, Acceleration, Forces and Newton’s Laws, and Waves. During this class, we will ask a lot of questions. How do things move? Where does energy come from? What do Newton’s Laws really mean? How fast do objects fall? Do objects speed up when they fall...or not? Why do some objects slide on ice but other objects stick? To answer these and many more questions, we will experiment and record our findings. To keep track of our work, we will use a physics notebook. All assignments, notes, reflections, and analysis will be kept in our notebooks. Technology will be used throughout this course to help us record data, create data tables and graphs, and analyze our investigations.

GRADES: Grades will be divided into 4 components and these include 25% notebooks, 25% assignments, 15% participation, 35% Assessments.

- 1) **Notebooks:** Each student will create a Physics Notebook. This notebook will include labs, diagrams, graphs, notes and all assignments. It will be graded every week. The notebook work will be graded on completion and accuracy.
- 2) **Assignments.** Each student will be expected to complete all daily notebook work and assignments before the end of class or ready to turn in the next day. Most assignments will be worth 5 or 10 points and be graded on accuracy and completion.
- 3) **Participation:** Participation in physics class is the most important thing a student can do for individual and team success. Students may earn 20 participation points each week by getting to class, being on time, turning off cell phones, and engaging in class work.
- 4) **Assessments:** Students be tested over the work as we progress in class. Some of these assessments will be in the form test, and/or project. The ongoing and final assessments will be worth 40% of your grade.

PLEASE RESPECT THE SPACE: We will use a variety of materials in class every day, from toys to very sensitive physics sensors. When we are using materials in class, all material needs to be used and returned to storage carefully so that other students may use it later. In addition, please don’t plan to eat in the physics classroom. Please **do not** bring food into the physics classroom so plan to eat before you come into class. **Get breakfast during advisory** and **make plans for lunch each day** so you don’t get hungry. This will help keep the physics classroom and lab materials clean, free of bugs, and ready for labs each day. In addition, you may bring in a water bottle with a lid. This will let you get a drink while protecting all the lab materials and technology in class.

ELECTRONIC DEVICES: Cell phones will not be used in physics class without permission. If you choose to use your phone during class without permission, I will ask once that the phone be put away. If you do not choose to put the phone away, you will be asked to sign out, take the phone to the office and drop it off with Suzette, and then return to class. You may pick up your phone after class.

CLASS EXPECTATIONS:

Be here EVERYDAY!
Do YOUR Best!
Be RESPECTFUL!
Be ON TIME!