

# AP Physics 1 Syllabus

Welcome to AP Physics 1, a one year course designed to replicate an introductory physics course in college. We will be preparing for the AP Physics 1 exam which is on May 3<sup>rd</sup>, 2015. Students leaving this course will be well versed in the fundamentals of physics, the application of physics in real-world problems as well as very familiar with the structure of a hands-on scientific laboratory.

## Teachers

Miss Loyd, Mr. Oxman, your classmates, teacher website, the internet, your textbook, and yourself

## Textbook

*College Physics* by Raymond A. Serway, Jerry S. Faughn and Chris Vuille  
Replacement Cost \$132.50 (**REQUIRED**)

*AP Physics 1 Essentials* by Dan Fullerton ISBN 978-0-9835633-6-5 (**RECOMMENDED**)

## Required Supplies

Lined Notebook, Dry-Erase Markers, Scientific Calculator, Lined Paper, Pencil

## Contact Information

Room G108

dloyd@aacps.org

Room G106

joxman@aacps.org

## Remind Texts

I regularly use a mass-texting remind service to communicate with students. Students without access to text messaging may receive the alerts through their email accounts. Parents can choose to receive these alerts and reminders as well.

## Grading

75% = *Summative Assessments including tests, projects, and certain labs*

25% = *Formative Assessments such as homework, certain labs, journal entries, and classwork.*

This is an AP level class, students will be treated as if they are in a college course. Students will be responsible for turning in assignments and making up work. The class will adhere to Arundel High Schools Proficiency and Redo policy. Students are allowed to redo's are allowed for grades under 70% and upgrade for grades over 70%.

## Online Classroom

A daily summary will be posted at [www.tinyurl.com/LoydPhysics](http://www.tinyurl.com/LoydPhysics). Students will be required to check the website weekly and complete a weekly AP problem that will be posted on the calendar. All assignments and due dates are posted on a Google Calendar, students are encouraged to link their google accounts with the calendar to set up alerts. If you are absent, need extra help or copies of notes/assignments this is where you should visit.



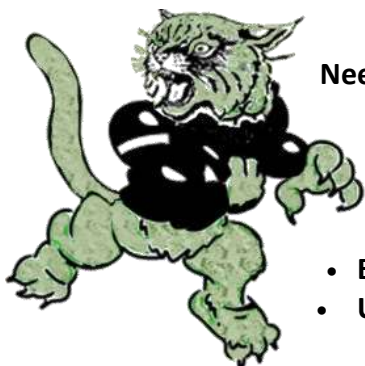
## WebAssign

Students will be required to complete online assignments on WebAssign which is a commonly used site in college courses. The school will provide each student with a paid subscription good for one year, if a student loses this information they will be responsible for paying for an additional subscription.

## Tentative Schedule

An interactive calendar is posted on my website and should be used on a regular basis. The following is the scope and sequence of the topics that students in AP Physics 1 will encounter.

First Quarter	Kinematics 3-4 weeks	Forces 4 weeks	
Second Quarter	Forces Con't/Charge 2 weeks	Energy and Momentum 3 weeks	Rotation 4 weeks
Third Quarter	Waves 4 weeks	Charge/Circuits 5 weeks	
Fourth Quarter	Review for AP Exam 3 weeks <b>EXAM DAY 05/06/2014</b>	Physics of _____ Project 4 Weeks	



### **Need some extra help with Physics?**

- **Schedule a Wildcat Hour tutor session.**
- **Visit a NHS tutor in the media.**
- **Get extra help after school, must schedule with Miss Loyd.**
- **Email me! I'll always get back to you within 24-48 hours.**
- **Use resources (videos, websites, notes) posted on my website/online.**

### **Dear Future Students,**

I am really excited about this school year and I hope you are too. We will be able to do a lot of great activities and maybe a fun field trip. Physics takes perseverance so all I ask is that you come to class every day with a positive attitude and ready to learn. I will do everything that I can to make sure that you are successful.

## Parent and Student Questionnaire: Please detach and return to Miss Loyd

Student Name: \_\_\_\_\_

What are you involved with at Arundel High?

How do you learn best?

How would you like to receive feedback?

What are your goals for this school year?

### Parent Contact Information

Name: \_\_\_\_\_

Email Contact: \_\_\_\_\_

Phone Contact: \_\_\_\_\_

Preferred way of contact:                      Email   Phone                      Text

Any other information that I should know about your student:

Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_