

# Public Academy for Performing Arts

## Class Syllabus

### Physics

#### *Teacher Information*

Teacher: Mr. Ramirez

Room #7

Email: [cramirez@paparts.org](mailto:cramirez@paparts.org)

Teacher website: <http://edmodo.com>

Phone: 505-830-3128 ext 24610

Office hours: My prep is 3<sup>rd</sup> period and I am always welcoming of students for assistance during lunch or after school (usually past 8<sup>th</sup> period).

#### *Course Description*

In this class, we will explore the laws of physics and how to interact with them in the world around us. We will incorporate labs, group work, research projects, and various other methods of discovery to learn the tools of science, methods of scientists, and gain better perspectives on physics and physical laws. Preparation, attendance, hard work, and a good attitude are the main requirements for a successful year of Physics.

#### *Remind App/Google Classroom*

You will utilize two main technological services throughout this course. Remind, is a phone app that I will utilize for quick mass notifications or reminders. Google Classroom will be replacing Edmodo this year as my primary class website. I will post an electric version of all assignments and resources given in class, as well as assign some quizzes on the platform. The codes for each will be shared on the first day of instruction. Please be sure to join both as soon as possible.

#### *Skills and Major Topics Covered*

We will be following the recommended course map for the Next Gen science standards which were recently adopted by New Mexico Public

Education Department. This curriculum will cover overarching topics such as Forces and interactions, Energy, Waves and Electromagnetic Radiation, Space Systems, History of Earth, Earth's Systems, And Engineering Design.

### *Next Gen Science Standards and Curriculum Map*

This class is taught with a few core ideas in mind. They are that students should be taught what will be covered on the End of Course Exam, students should be prepared for the New Mexico Assessment of Science Readiness (NM-ASR), students should be prepared for entry level Physics courses at the post high school level, and students should be taught science in a way that makes them think critically of the world around them. The End of Course Exam and NM-ASR will look very different this year compared to years past. And so I will be following as much as possible the Recommended Course Curriculum Map for Physics that NMPED has put out. The map follows the newly adopted Next Gen Science Standards, and should be a good road map for success in the current testing format. It is as follows.

#### Engineering Design

HS-ETS1-1

HS-ETS1-2

HS-ETS1-3

HS-ETS1-4

#### Forces and Interactions

HS-PS2-1

HS-PS2-2

HS-PS2-3

HS-PS2-4

HS-PS2-5

HS-PS2-6

#### Energy

HS-PS3-1

HS-PS3-2

HS-PS3-3

HS-PS3-4

HS-PS3-5

#### Waves and

Electromagnetic

Radiation

HS-PS4-1

HS-PS4-2

HS-PS4-3

HS-PS4-4

HS-PS4-5

Space Systems

HS-ESS1-1

HS-ESS1-2

HS-ESS1-3

HS-ESS1-4

History of Earth

HS-ESS1-5

HS-ESS1-6

HS-ESS2-1

Earth's Systems

HS-ESS2-2

HS-ESS2-3

New Mexico

Specific Standard

HS-SS-2

### *Textbooks*

Textbooks are rarely used in class, and will not be assigned. They are resources that will be used in class occasionally, but may be checked out by students at any time. Students must sign them out and be conscious of taking care of them when doing so.

### *Materials Necessary*

Every student will need one notebook to copy notes and answer bell ringers into. Students will also be required to have one folder or binder to store their in. Students are expected to come to class every day with pens and pencils.

### *Late Work/ Make-up Work*

All late work/make-up assignments will be accepted for full credit at a reasonable timeframe for excused absences only. Late work turned in without an excused absence will be accepted up to 1 week late.

However, each day of lateness will be penalized by 15% of the full grade.

### *Grading*

Grading will consist of a total point system, in which all grades, unless otherwise stated, will be of an equal weighting. Semester grades will consist of 40% period 1, 40% period 2, and 20% final exam.

The grading scale will go as follows.

Letter Grade	Percentage Points
A+	100 – 97
A	96.9 – 93
A-	92.9 – 90
B+	89.9 – 87
B	86.9 – 83
B-	82.9 – 80
C+	79.9 – 77
C	76.9 – 73
C-	72.9 – 70
D+	69.9 – 67
D	66.9 – 63
D-	62.9 – 60
F	Below 60

### *Extra Credit*

Extra credit is a privilege not a right. I will offer extra credit at my own discretion. This may be in the form of test/assignment corrections, extra assignments, presentations, or attendance of off-campus lectures.

### *Class Expectations*

Students are always expected to follow a strict set of class norms in my classroom.

- 1) Be respectful of your peers your teachers, and all faculty in the school.
- 2) Be fully prepared to learn every day in class. This includes having a good mindset in addition to having all necessary supplies and work ready.
- 3) Participate. It is necessary for scientists, and students, to be able to work together and collaborate.

Besides the class norms listed above, there are a few more behavioral policies. They are...

- *Food and Drink Policy*

Students may not eat in my class unless they have received prior permission from myself (not very likely). You may finish your snacks before entering my class or place them on the side ledge by the entrance until you leave. Students may drink water freely. Anything else must be in a spill resistant container (soda with a cap or bottle that snaps/locks shut).

- Students caught eating in class or drinking anything other than water in non spill resistant containers will receive the following punishments.
  - 1<sup>st</sup> offence: A warning and instructions to place food/drink inside of classroom.
  - 2<sup>nd</sup> offence: Student will come into class during lunch to vacuum the area student was eating/drinking. Parents will also be notified.
  - 3<sup>rd</sup> offence: Student will come into class during lunch to vacuum half of the classroom. Parents will be notified.
  - 4<sup>th</sup> or greater offence: Student will vacuum entire classroom, parents will be notified and administration will be alerted.

- *Trash Throwing*

Trash should not be thrown in class. If I witness trash being thrown, then the student will follow the consequences listed above for eating/drinking in class in addition to picking up trash from the floor immediately. Yes even if you make it into the trashcan.

- *Laptop Usage*

Students will be assigned a laptop for use in the class. You must only use your assigned laptop unless otherwise told to do so. While using the laptop students may not visit youtube, facebook, snapchat, gaming sites, or any other site other than what the student has been instructed to visit unless otherwise stated by the teacher. Students are also expected to take care of their laptops while using them. This includes holding them not by the screen, keeping food/drinks away, and generally being

careful with them. Once finished with your laptop, it should be placed back into the COW in the correct numbered position and charging.

Students may also check out laptops outside of their normal class time only if a laptop is available. Students must request and get approval by myself, sign out/in the laptop, and return the laptop into the correct numbered position and charging.

Failure to follow laptop procedures will result in a combination of class vacuuming's, loss of laptop privileges, and parent notifications.