



"CONFUSION IS THE SWEAT OF LEARNING" – RHETT ALLAIN

# Pre-AP Physics Mr. Bryant

SYLLABUS

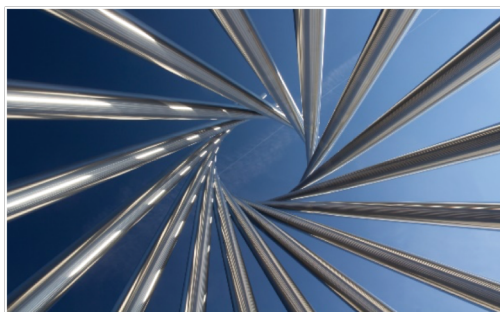
## Welcome to Pre-AP Physics!

### What is physics anyway??

Physicists study all the fundamental and basic parts of the physical world including: motion, forces, gravity, momentum, energy, waves, electricity, magnetism, and atomic & sub-atomic matter.

### A short list of expectations:

- ➔ Please take the class seriously but not somberly!
- ➔ Make every effort to be here every day and on time.
- ➔ Help to care for the books, room, and equipment.
- ➔ Have a calculator close by every day.
- ➔ Consume food and drinks outside of class—except water in a reusable container.
- ➔ Phone should be set on silent and stowed in a safe place during class unless students ask to use them for an educational purpose.
- ➔ Want a textbook? Just ask!



### THE BIG PICTURE

I want you to **do well** in this course,  
to **feel comfortable** while you are here,  
to approach the class **without fear**,  
and to leave it **without regret**.



### Flipped Classroom

We'll use a version of the "flipped classroom" where students watch and take notes on lecture videos for homework and class-time is spent on engaging with content.

We will get most of our challenging puzzle-solving and laboratory work done in class and save the less demanding work for outside of class.

This approach requires students to come to class prepared, but also allows them to engage with each other and their teacher in class where they will really benefit from being able to ask questions and direct support.

### Contact Information

[matthew.bryant2@warren.kyschools.us](mailto:matthew.bryant2@warren.kyschools.us)

(Don't forget the "2!")

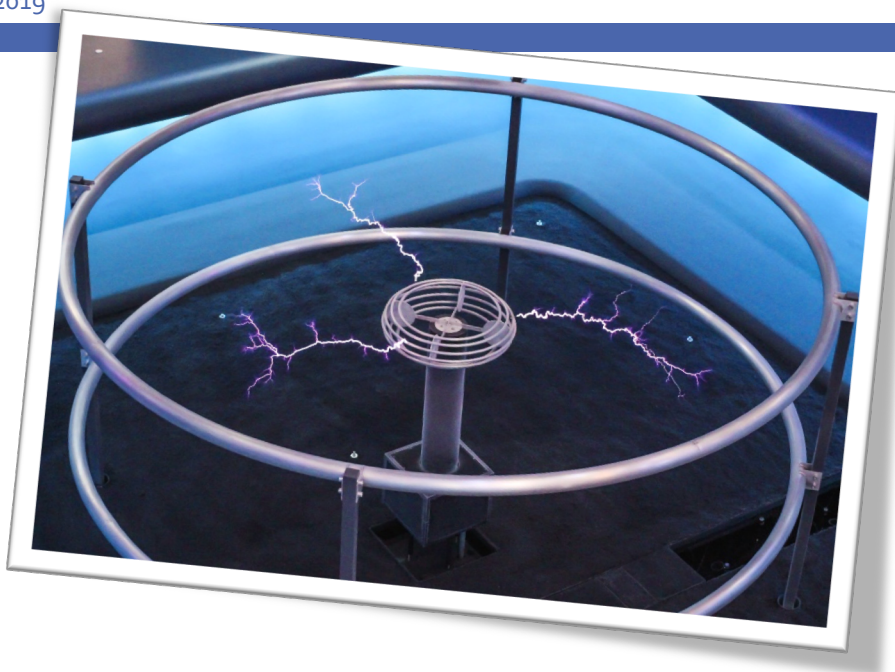
<http://www.mrbryant.net>

Page 2

Approximate point breakdown  
(subject to change)

Quarter 1	Point Value
Linear Motion Test	100
Projectile Test	100
Newton Test	100
Work & Energy Test	100
Momentum Test	100
Notes/Classwork	450
Labs	130

Quarter 2	Point Value
Circ. Mot. & Gravity T	100
Bridge Project	70
Rotational Mot. Quiz	50
Electrostatics Test	100
Electricity /EMI Quiz	50
Waves Test	100
Notes/Classwork	450
Labs	115
Final Exam	100



## What to expect...

### At Home (HW)

Most of your work at home will consist of watching and taking internet video notes.

You may need to complete unfinished classwork at home as well.

Please let Mr. Bryant know if you don't have reliable access to the internet and other arrangements can be made.

### In Class (IC)

We will do a great deal of small group puzzle-solving and lab work in class.

When assisting others, your paper should always remain in your possession. "Coach" your colleagues rather than simply "hand-over" your solutions.

We will rotate lab partners and on lab days every student is required to submit their own paper stapled together with their partners. To encourage lab group communication & participation I will only score one student's lab paper per group—every group member earns that score.

### Late Work Policy

Work submitted after the due date and prior to taking the unit assessment (quiz or test) can earn up to half-credit.

Late work submitted after the unit assessment will be recorded as a zero.

Late work due to an excused absence will not be penalized, but students should set up a new due date with Mr. Bryant.

Students have lots of opportunities to improve even after a "bad day" or two.

### Bonus Points

Students can earn up to two bonus points each Monday.

One point can be earned by bringing in a *guardian signed* copy of your current Infinite Campus grade in Physics.

One point can be earned by bringing a *handwritten* copy of the agenda for the week ahead (available at [www.mrbryant.net](http://www.mrbryant.net)).

Students should *not* expect additional extra credit opportunities.

### PHYSICS HELP

The flipped classroom model allows for lots of student help in class, but I'm also usually available before & after school—just set up a time with me.

I am happy to check your answers before you submit your regular work...this applies both in class and outside of class!

ESS on Thursdays is another option that's especially useful if you need a ride home. If I know some students are staying for ESS I am often available to stay as well.

ADDITIONAL PHYSICS PRACTICE AT  
<http://www.physicsclassroom.com/>

# Guardians & Students Page

I have read and understand the "Welcome to Pre-AP Physics with Mr. Bryant" document.		
<b>Guardian Signature</b>		Date:
<b>Guardian Email</b>		
<b>Student Signature</b>		Date:
<b>Printed Student Name</b>		Block:
		Earned Points ____/5

Dear Caregiver,

I'm so delighted to have your student for physics this semester. Physics and teaching have been my passions since I began teaching 19 years ago and I'm always excited to meet new students and engage them in science.

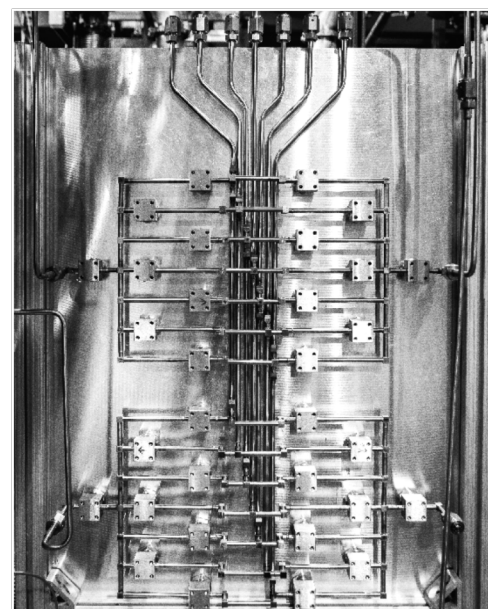
Thanks for reading the Welcome to Pre-AP Physics with Mr. Bryant document and all the other paperwork the science department and school sends home. Please feel free to contact me with any questions or concerns – email is the best way to start:

[matthew.bryant2@warren.kyschools.us](mailto:matthew.bryant2@warren.kyschools.us)

If you'd like to share something with me about your student's goals or your hopes for them this school year, feel free to use the space in the middle of the page. →

Sincerely,

Matt Bryant, NBCT  
Physics Teacher  
South Warren High School



## Required Classroom Materials

- ➔ 1 or 1.5 inch 3-Ring Binder
- ➔ Loose-Leaf Paper
- ➔ Scientific Calculator
- ➔ \$10 Lab Fee (see separate letter)

## Requested Classroom Materials

- ➔ Dry Erase Markers
- ➔ Kleenex (tissues)
- ➔ Hand sanitizer
- ➔ Clorox Wipes

Guardians, also look for, Science Department Welcome Letter, Science Lab Fee Letter, & Physics Lab Safety Contract...