

All Physics related documents may be accessed through the following website:  
[www.tgbphysics.weebly.com](http://www.tgbphysics.weebly.com)

**Plan for Success 2014/2015**  
**AP Physics 3-4 (Course # 5797900)**

**Mr. Jim Konyha**

**Prerequisites: Physics 1-2 (or approval of teacher), Algebra 3-4**

**Credit: 1\2 credit per semester**

Welcome to your science class for the 2014/2015 school year! It is my goal to make this an active participation and highly relevant class for you. So that we can all have a positive and successful experience in science below are the basic policies and procedures under which this classroom will be operating during this school year.

### **Course Description**

Meets PUHSD and Arizona Science Standards graduation requirement. Meets laboratory science admission requirement of Arizona universities AP Physics 3-4 is a college-level laboratory-based science course for academically advanced students who have had an introductory physics course and wish to study the discipline at a more challenging level. Students may earn college credit and/or advanced placement based on their performance on the Advanced Placement Physics 3-4 exam. Due to the rigor of the AP program, this course receives honors credit. This course utilizes guided inquiry and student-centered learning to foster development of critical thinking skills and a conceptual framework for understanding: Fluid mechanics and thermal physics; electricity and magnetism; waves and optics; and atomic and nuclear physics.

### **Student Outcomes**

At the completion of this course, the student should be able to:

- Demonstrate knowledge of physics concepts and principles.
- Make accurate observations of phenomena and generate models to explain the observations.
- Demonstrate ability to design and carry out experiments which test generated hypotheses.
- Demonstrate skill in solving problems using mathematical equations and calculations.
- Identify the relationship between physics and other areas of study.

### **Classroom Expectations**

At all times you will be expected to abide by all policies of the Phoenix Union High School District and Trevor G. Browne High School.

- Students are expected to be responsible and accountable for their actions; they will be encouraged to work diligently and in a cooperative manner. Disruptions in the classroom will not be permitted.
- Any student failing to follow established lab safety protocols will be removed from lab for that period and will be subject to disciplinary action.
- Students are expected to complete all assignments on or before the due date/time.
- Teacher will provide tutoring before and after school and during lunch, however it's the student's responsibility to make such arrangements.

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## Attendance Policies

High attendance correlates with high academic success. Students are expected to attend school every possible day. Parents must call in with or write a known and legitimate reason to student records within three days (72 hours) of student's return to school.

*"Phoenix Union High School District believes that daily participation in classroom instruction activities is essential to earning credit in every course. **Students may fail the class for the semester in any course when reaching a total of 12 excused/unexcused absences** and after school documented interventions have been exhausted."*

"Absent" is defined as nonattendance in an assigned class or activity for more than one-half of the period.  
(PUHSD Governing Board Policy J-1561 JHR)

## Tardy

Being prompt is key to success in life, work and school. Students are expected to arrive to class on time, and be seated in his/her assigned seat or activity when the tardy bell finishes ringing. (PUHSD Governing Board Policy J-1561 JHR) Any student who is late to class will follow the school's tardy policy. If there is no school-wide tardy policy, then a student who is tardy will serve a reasonable detention for his/her tardiness during KKIS and lose 30% class credit for the assignments due that day.

## Grades

As this is an active lab oriented class, your grade in here will be based on your performance in several areas.

Final Semester Grades will be determined as follows:

First quarter	40%
Second quarter	40%
Final Exam + Project	20%

Each quarterly grade is determined as follows:

Homework and class work	20%
Tests	25%
Lab write ups	30%
Quizzes	25%

## Assessment scales

**Homework and Class Work**

0 - 100%

**Tests and quizzes** - points earned/points possible

**Lab Write ups** - percent based on rubric

**Quarterly project** - as per project rubric

### The grading scale used is:

90.0 - 100.0 %	A
80.0 - 89.9%	B
70.0 - 79.9%	C
60.0 - 69.9%	D
Below 60.0%	F

**There is little to no extra credit in physics.**

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## **Progress Reports**

**"Parents will receive progress reports via parent portal (ParentVue) as well as progress reports via US mail every three weeks."**

## **Make Up Work**

Due to the amount of material required to be covered in AP classes, students will be expected to complete all make up work by the next day they attend class. Students are expected to get assignments before any scheduled absence, or communicate via email to teacher for any unscheduled absences. Students are expected to complete make up labs the day they return unless approved by teacher for a later time.

## **ACADEMIC AND ATTENDANCE INTERVENTIONS**

Academic tutoring and test preparation is available to all students. Additional support for passing classes and graduating on time is the intent of these services. Support through Title I funding is available in the areas of: math, reading and English. If interested, please contact the Principal Dr. Trujillo or Assistant Principal for Instruction Ms. Streeter for additional information at 602-764-8500.

## **Dress Code**

The Trevor Browne High School Community will wear appropriate clothing that is clean, modest, and not disruptive to the educational program. If a student is in violation of the dress code they will be asked to change. Excessive violations may result in further disciplinary action. Items of attire with obscene words, or inappropriate slogans/graphics may NOT be worn. Immodest or indecent attire is not acceptable and footwear must be worn. Household slippers are not appropriate. Immodest includes bare shoulders, and extremely tight or baggy clothing. Examples: tube tops, halter tops, see-through tops, bare midriff tops, backless tops or tops with spaghetti straps. Clothes will cover midriff, cleavage, buttocks and under garments. Headgear such as hair nets or other hair coverings, including bandanas, do rags, and sweat bands are not appropriate. Hats are ok outside. Skirts, shorts, or dresses cannot be shorter than the end of the fingertips. All pants, shorts, or skirts are to be worn at the top of the hip when sitting and standing (no sagging).

## **ID Card**

All students are expected to wear their IDs in their lanyard at all times. IDs are required to access many school services. Students who violate this expectation may be subject to disciplinary action.

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### **Required and recommended supplies**

1. **Goggles are provided** for laboratory work, they *must* be worn while experiments are being carried out.
2. The texts are *Giancoli Physics* published by Prentiss Hall and is provided for the students through the campus Bookstore and the *Principles of Physics (ebook)* published by Kinetics; students will be given accounts by the teacher.
3. One 8.5 X 11 inch notebook with graph paper will be required for lab journal. Also a separate note book is required for class work.
4. A calculator with scientific notation is recommended for mathematical calculations.
5. A *Physics Helper*, available at the bookstore (\$1.50), contains information and formulas used repeatedly throughout the course. The use of the *Physics Helper*, and calculator are permitted on all tests.
6. Student ID card and TGB Student Planner

**Note:** Students are expected to bring all required items every day. Not having any items may result in partial loss of credit for assignments due that day.

### **Other Information**

E mail: [konyha@phoenixunion.org](mailto:konyha@phoenixunion.org)

Phone number: 602-571-5738

Office hours: Monday -Friday 6:30-7:55 am; Monday - Thursday at lunch; Monday - Friday 3:00-3:30 pm and by appointment. Office hours may change due to announced or emergency meetings.

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**Please detach, sign, and return this page.**  
**AP Physics 3-4 (Course #'s 5797900-5798900)**

*Mr. Jim Konyha-Teacher*

*"We have read over and understand the plan for success in AP Physics 3-4"*

Student name (legible) \_\_\_\_\_ Period \_\_\_\_\_

Student signature \_\_\_\_\_ Date \_\_\_\_\_

Parent/Guardian printed name \_\_\_\_\_

Parent/Guardian signature \_\_\_\_\_ Date \_\_\_\_\_

Phone number: Home \_\_\_\_\_ Work \_\_\_\_\_

Cell \_\_\_\_\_

Address \_\_\_\_\_

Zip Code \_\_\_\_\_

E mail and person's name \_\_\_\_\_

Comments and/or questions \_\_\_\_\_

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