

Instructor: Mr. Hernandez
Email: dhernandez9@saisd.net

Room: 238
Conferences: 2nd Period

Physics Pre-IB 2019-2020

Welcome to Physics!! Physics, in a way, is a study of life around us. Physicists make observations, ask questions, and develop experiments to test their ideas concerning mechanics, electricity, forces, sub-atomic particles, and space. Obviously, this is a broad field.

The questions that are probably going through your mind are "How am I going to survive this?" and "What is expected of me in this course?" Below are all the **ANSWERS**.

GENERAL PROCEDURES FOR THE DAY:

- Walk in and pick up your journal and any handouts for the day and be seated.
- Check the board for agenda and announcements.
- Homework should be turned in and pencils sharpened **BEFORE** the bell rings.
- Check the screen for warm-ups.
- **VERY LITTLE TIME IS AVAILABLE FOR ANYTHING OTHER THAN WHAT WE ARE DOING ON THAT DAY. PLEASE STAY ON TASK AND LIMIT INTERRUPTIONS! THIS MEANS NO CELL PHONES OR OTHER ELECTRONIC DEVICES USED IN CLASS.**
- Remember that I dismiss you, not the bell. Please remain in your seats.

MAKE-UP WORK:

- **Make-up days*:** Mornings by appointment; Afternoons, I will most likely be available Monday-Thursday after school. Check with me ahead of time to make sure I don't have any meetings or other appointments. ***These days include test and lab make-up.** Whenever you are absent, you must complete all work that is missed, **lab work included.** **Please let me know when you plan to come in. If lab work involves living organisms, they often have a limited life span; therefore, don't wait too long.** Tests missed due to an absence should be taken as soon as possible following an absence. Missed tests will only be given either before or after school. **No make-up tests will be given during class time.**

LATE WORK POLICY:

- Late Assignments -**All assignments are due at the beginning of the period.** Other than excused or prearranged absences, assignments handed in at any other time are considered late. **Penalty for late work: 10 points for each day it is late.**
- Late labs and tests need to be made up as soon as possible.
- Work missed due to an excused or prearranged absence will be due one week upon the student's return to school. **It is the responsibility of the student to find out what work was assigned and what information was missed.**
- We will be following an A Day/B Day/C Day schedule, so **good attendance is crucial to student success.**

TUTORING:

I will be available to help you with any material you do not understand. I will go the extra mile to assist you...so **ask for help when you don't understand something. Do not wait until the day before the test!!!**

- I will be available most afternoons and mornings, by appointment. I prefer if you let me know ahead of time if you are coming, but my door will always be open if I'm at school ☺

ASSIGNMENT REQUIREMENTS:

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Only one copy will be given, **do not lose it!** All assignments must be written in ink and must be legible. All work must be shown on assignments, labs, tests, and exams including calculations. Make sure your correct heading is on all turned in work (your name, period and date).

MATERIALS:

- Textbook – I have a class set. Having your own book at home to study on your own time is recommended but not required.
- You will need a composition notebook, preferably one big enough to get through the school year (**please have this ASAP**). 100 sheets is recommended to get through the year.
- Pens (Blue or Black Ink Pens **ONLY**)
- #2 Pencils
- Wide Ruled Paper (Recommended)

COURSE OUTLINE:

First Semester	Second Semester
One-Dimensional Motion Projectile Motion Forces and Laws of Motion 1st Nine Weeks Exam Gravity & Centripetal Acceleration Conservation of Energy Two-Dimensional Motion 2nd Nine Weeks Exam	Thermodynamics Waves & Optics Conservation of Momentum 3rd Nine Weeks Exam Electrical & Magnetic Forces and Fields Circuits and Electricity Atomic, Nuclear, and Quantum Physics 4th Nine Weeks Exam

GRADING FOR BIOLOGY:

60% Assignments

- Daily Assignments
- Homework
- Article Critiques
- Journaling
- Labs

90-100% = A

80-89% = B

75-79% = C

70-74% = D

69% and Below = F

40% Assessments

- Projects
- Quizzes
- Tests

COLLABORATION:

Another important aspect of scientific work is collaboration with peers. When people form a group each member of the group sees things in a slightly different perspective, thus stimulating creativity and greatly speeding up the scientific process. In fact, no matter what career you pursue, being a productive member of a peer group will be vital to your success. For these reasons, most of your activities will be done in groups where each person is a contributing member. Part of your grade will be based on your group participation.

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The difference between collaboration and cheating:

- When working on a lab, you will most likely have the exact same data as others in your group. However, your conclusion and analysis of the data must be your own!!
- When working in a group on research questions, you may discuss the answers, but do not copy each other word for word. For example, do not look at a group member's paper and start copying their answers.
- The penalty for cheating will be a zero for work involved and the student will be subject to appropriate disciplinary action in cheating offenses. Refer to the student handbook. **ALWAYS PRACTICE ACADEMIC HONESTY!!!**

EXPECTATIONS:

Students are expected to participate in class on a daily basis, work collaboratively with other students, complete all assignments with attention to quality, and be prepared to learn.

- DO ALL YOUR OWN WORK!!!!
- Be ready for class as soon as you enter the room.
- REMEMBER TO WRITE NAME, DATE, PERIOD ON EVERYTHING YOU TURN IN. IF missing, points will be deducted.
- ALWAYS bring materials to class:
- Behavior: follow guidelines listed in the classroom expectations and student handbook.

CONSEQUENCES:

I am willing to work with students and parents to make sure the year is successful for all. I am also obligated to provide a safe learning environment for all of my students. In order for this to occur, consequences must be enforced. Please contact me if you ever have a question about a student's behavior or the consequences of this behavior.

- First offense- Warning. Student is made aware that behavior is not appropriate, how to correct behavior, and why behavior is not appropriate.
- Second offense- After class discussion about behavior, means to improve behavior, and discussing possible causes of behavior.
- Third offense- Student signs an acknowledgment form and one is sent home for the guardian(s). A call is made home to discuss the situation and arrangements are made.
- Fourth offense- Referral to administration. This will also occur when the student fails to attend detention, after three detentions for the same offense, or for more serious offenses that require immediate consequences. A call will be made home when a referral has been issued.

**I am very excited about this year. My goals are for you to understand the basic concepts of Physics and for you to learn to critically think through problems and apply your new knowledge to solve them.

Let's have a successful year!

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Return this portion to Mr. Hernandez signed by you and your parent or guardian by Friday for a grade.

I have read and understand the requirements and expectations of this class.

Student Name (Printed) _____ **Period** _____

Student Signature _____ **Date** _____

Parent Signature _____ **Date** _____

Parent phone number(s) _____ **Email** _____

All About You (student):

- 1. Would you be interested in being a classroom assistant/helper?** _____
- 2. Do you have issues with seeing the board and need to be near the front?** _____

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