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PHYSICS I Course Syllabus 2020-21

Instructor: OSARO DERRICK, M. Ed **Email:** osaro.derrick@houstonisd.org **Room:** 2201

Office Hours: Monday (12:25-1:10)(3:25pm-4:10pm) & Tues-Fri (1:50pm-2:35 pm)

Introduction

My name is Osaro Derrick, I am a 15 year science teacher. I graduated from La Marque High School in 1996 with the school's 1st state championship in football. I have a bachelors degree from PVAMU in Biology with a Minor in Chemistry. I fell in love with Physics throughout my teaching career because of its unlimited integration in every aspect of life. I have been teaching Physics at Waltrip for three years.

Course Overview

The purpose of this Physics I course is to provide the prospective student with an intense, student-centered, highly-engaging, academic program which will provide a connection and understanding of the PHENOMENONS of the world and the universe.

Student Expectations

The prospective student will be responsible for the completion of all assignments assigned in a timely fashion. The prospective student will follow the rule set forth in the student handbook adopted by the district. The prospective student will be in class promptly. The prospective student will be prepared for class with all the supplies necessary for acquiring new knowledge.

Classroom Rules

- 1. Talking while I'm giving instruction is unacceptable.**
- 2. Use school appropriate language.**
- 3. Respect yourself and others around you.**
- 4. Follow Waltrip HS/ CHAMPS expectations set forth daily.**

Consequences

Positive	Negative
<ul style="list-style-type: none">• Verbal Accolades• Public/ Private recognitions• Additional Points on Exam• Stickers• Parent/ Guardian Call	<ol style="list-style-type: none">1. Verbal Warning2. Student-Teacher Conference3. Parent/ Guardian Call (write-up)4. Parent/Student/Teacher Conference5. Sent to Principal

***All consequences are given at the discretion of the teacher.**

Grading policy

Major Grade- 35% (test and projects)

Laboratory Grade- 30%

Classwork Grade- 25% (Quizzes, daily assignments)

Participation Grade-10% (Students activity level, awarded at the teacher's discretion)

- **Late-assignments** will receive a 5-point deduction every day until received (Up to 7 days from original due date.)* (If the end of the grading period is within 7 days, then the assignment will be due on a day designated by Mr. Derrick.)
- **All missing assignments will receive a zero, if left unfulfilled.**
- The **student** is responsible for all missing assignments due to absence.
- **Extra credit work will not be given.**
- **The student is responsible for scheduling test after absence.**

Program Expectations

- Students are capable of success
- Students deserve respect and should expect the best education that we can provide
- Students should be self-motivated and self-disciplined
- Administration and staff will work to achieve a disciplined and safe environment
- Students are worthy of success and respect
- Students are ultimately responsible for their educational success
- Students will succeed with the help of my teachers

Tardy Policy

Students are required to be in class at the scheduled time daily. Students without a pass, who do not show up on time for class will be in violation and considered tardy. After receiving 3 tardies, students will be written-up and a parent contact will be made.

Bullying Policy

BULLYING IS NOT TOLERATED IN Houston ISD.

Supplies

- **Composition Notebook**
- **Writing utensils (Black/ Blue Pen, Pencils, Map pencils)**
- **Paper (College Rule)**
- **Student Laptop**
- **Book : Physics-Principles and Problems (Mc Graw Hill)**

Quote

“Intelligence plus character that is the goal of education.” _MLK

HUB

Remind 101

<https://www.remind.com/join/mroderrri>

Explorelearning.com (Gizmos)

Socrative.com

Microsoft TEAMS

UNIT CALENDAR FOR 2020-2021

<u>1st 6 weeks</u> 9/8-10/16	Measure/ Describing Motion
	Motion in One Dimension
	Gravitational Force
<u>2nd 6weeks</u> 10/19-12/4	Force
	Motion in Two Dimension
<u>3rd 6 weeks</u> 12/7-1/28/21	Mechanical Energy Momentum & Impulse
	Work Energy Energy Transformations
	Conservation of Energy/ Momentum
<u>4th 6 weeks</u> 2/1-3/12	Thermodynamics/ Thermal Energy
	Wave Propagation/ Characteristics/ Behaviors of Sound Waves
	Electromagnetic Waves/ Image Formation
<u>5th 6 weeks</u> 3/22-4/30	Electric/ Magnetic Forces
	Electric Circuits
<u>6th 6 weeks</u> 5/3-6/11	Photoelectric Effect/ Atomic physics
	Application of Atomic/ Nuclear Physics
	STEM Research