

Nikola TESLA STEM High School

INSTRUCTOR: Nadiyah Samad

EMAIL: nsamad@lwsd.org

OFFICE HOURS: Mon-Fri: 7:00am-7:30am

Mon, Tues, Thur: 2:20pm- 3:00pm

Fri: 2:20-2:50pm

WESBSITE: Power School Page

Welcome to 9th grade Honors Physics 2017/2018

COURSE DESCRIPTION: Physics is the study of Matter and Energy. Matter can be anything from sub-atomic particles that make up an atom to stars and galaxies. Energy can take the form of gravity, motion, light and radiation. In this course, we will begin with Optics and work our way towards the measurement of motion and forces. Second semester will focus on electricity, momentum, energy and gravity. As we learn these concepts, we will develop their trigonometric and algebraic thinking.

The goal of this course is to show students how physics is a fundamental science in our everyday life. It is what allows us to communicate, construct buildings, transport objects, develop electronics, provide energy and much more.

COURSE LOGISTICS: Student will need to check the HAIKU site for HW assignments and resources. They will refer to the calendar on HAIKU to access resources and HW. Students will also need access to a printer to complete their homework assignments. Please let me know if you don't have internet access or a printer.

We do not use a Textbook in this class. Students will build their own textbook in the form of their PHYSICS JOURNAL.

Students will need to bring the following material with you to class every day

- Physics Journal (**PJ**)
- Colored Pens (Black, Blue, Red, Green)
- Calculator
- Correction Tape
- Protractor and cm Ruler
- HOMEWORK!

CLASSROOM EXPECTATIONS & BEHAVIORS: Students are expected to be in their seats and ready to start at the beginning of each class period. Cell phones should be out of sight and silenced or turned off during class. If a student is using his or her phone without my permission during class, that phone will be confiscated and sent to the office. Students can pick up their phones at the end of the day.

Group work will be the foundation of this class. I expect all members of a group to participate and help each other be successful whether that is to overcome technical problems or to complete lab assignments in the allotted time.

GRADING: Assessments (Quizzes and Tests): 50%
Assignments (HW, & Labs in PJ): 30%
Semester Final: 20%

Homework:

We will use standard 4pt grading scale on all HW assignments. Late HW assignments will result in 2pts deducted from that HW score. Assessment grading scales will vary from quizzes and tests. At the end of each unit, students create a Homework Packet where they total the points from their HW points from the entire unit and turn in on the day of the test. This grade will be entered in to Skyward within 2 days of the test.

Tests & Quizzes:

If a student knows he or she will be absent for a test or quiz, it is important to let me know ASAP so that we can schedule a day to take the test (preferably the day before or after the test date).

I will offer Corrections on Tests that have been graded as less than 75% to earn up to 75% on the test. Corrections can only be completed during office hours and will require a very specific format. If incomplete, the student will not receive partial points. I do this so that students who are close to an NC (<70%) can learn from their mistakes and stay afloat in my class. All students regardless of their grade can use my office hours to go over their test. There will be no corrections on Quizzes.

Note to Students:

Grades will only be discussed in person during office hours.

Note to Parents:

Please check skyward to view your students current grade in Physics. Ask your student to show the HW they have completed in my class. You will be able to see their score on the right hand corner of each homework.

ACADEMIC DISHONESTY: Cheating on Tests and Quizzes will not be tolerated. If I suspect students are cheating on an assessment, the office will be immediately notified, and parents contacted. Since most of the labs will be done in groups, when working in groups it is **OK** to:

- Share data, observations or a procedure generated together
- Share ideas about the results of an experiment (in your own words)

It is **NOT OK** to:

- Provide the same explanation of a lab using the same words as another member in your class
- Use or share data/observations from a lab group other than your own
- Copy any part of someone else's lab when you were not present to complete the lab

PARENTS/GUARDIANS: If you have any questions the best mode of contact for me will be **email**. I will do my best to respond back to emails within 24hrs.