

San Angelo Independent School District
Physics

Teacher:

Michael Terrill

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San Angelo Central Tucker 200

325-659-3434 ext:256

Conference Time: 8:20 am. – 9:09 am.

Tutorials:

Tuesday 7:40 am. & 4:09 pm.

Monday, Tuesday, Thursday, and Friday Bobcat Block

Other than on my parking lot duty day, Wednesday, I am in my classroom before 7:40 am., and any student is welcome at that time.

Materials needed daily:

- Chrome Book - Charged
- Pencil and eraser
- Lab Notebook – three-ring binder.

Digital learning platforms:

- Part of the Course will be delivered through digital learning platforms
 - [Schoolology](#)
 - [PhET Labs](#)
 - [The Physics Classroom](#)

Course Description:

Physics is a laboratory-based science course that explores the fundamental principles governing matter, energy, motion, forces, and interactions in the physical world. Students will investigate topics including motion and forces, energy and momentum, waves and sound, electricity, magnetism, and other applications of physics through hands-on laboratory investigations, mathematical problem solving, data analysis, and scientific modeling. Emphasis is placed on developing conceptual understanding, applying mathematical relationships, designing and conducting investigations, interpreting graphs and experimental data, and using evidence to explain physical phenomena. The course is aligned with the Texas Essential Knowledge and Skills (TEKS) for high school Physics and prepares students to apply scientific reasoning and problem-solving skills to real-world situations and future coursework in science, technology, engineering, and mathematics (STEM).

Unit Outline

1st Nine Weeks					
Unit 01: Kinematics in One Dimension and Graphing Motion					(23 Days)
 P.1.B	 P.3.B	P.5.A	P.5.B	P.5.C	
Unit 02: Newton's Laws of Motion					(19 Days)
 P.1.D P.5.H	 P.1.H	 P.4.B	P.5.E	P.5.F	P.5.G

2nd Nine Weeks					
Unit 02: Newton's Laws of Motion (Continued)					(19 Days)
 P.1.D P.5.H	 P.1.H	 P.4.B	P.5.E	P.5.F	P.5.G
Unit 03: Two-Dimensional Motion					(11 Days)
 P.3.A	P.5.B	P.5.D			
Unit 04: Energy					(19 Days)
 P.1.E	 P.3.B	P.7.A	P.7.B	P.7.C	

3rd Nine Weeks					
Unit 05: Momentum					(10 Days)
 P.1.B	 P.2.D	 P.3.C	P.7.D	P.7.E	
Unit 06: Electrical and Magnetic Forces and Fields					(12 Days)
 P.1.F P.6.C	 P.1.G	 P.2.A	 P.2.D	P.6.A	P.6.B
Unit 07: Current Electricity					(17 Days)
 P.1.C	 P.2.B	 P.2.C	P.6.D	P.6.E	

4th Nine Weeks					
Unit 07: Current Electricity (Continued)					(17 Days)
 P.1.C	 P.2.B	 P.2.C	P.6.D	P.6.E	
Unit 08: Characteristics of Waves					(12 Days)
 P.1.A	 P.1.G	 P.3.A	P.8.A	P.8.B	P.8.C
Unit 09: Behavior of Waves					(10 Days)
 P.1.F	 P.4.A	P.8.D	P.8.G	P.9.B	
Unit 10: Applications of Electromagnetic Waves and Quantum Phenomena					(11 Days)
 P.4.C	P.8.E	P.8.F	P.9.A	P.9.C	P.9.D

Grading:

Major Grades = 60%

Minor Grades = 40%

Minor Grades:

Bell Ringers (start of class): When you come into class, you will have a daily question to be answered on Schoology. Bell Ringers are worth 10 points daily and combined every ten school days for a 100-point minor grade. Bell ringers are due at the end of class and can be made up for one week after the due date.

Daily Assignments: Practice makes progress. You should expect assignments every day. If you are not keeping up with completing your assignments, you will fall behind quickly. Most assignments will be submitted on Schoology. Show all your work on worksheets with a box around the answers. Daily assignments will have a specific due date (normally the next day) and may be corrected or reattempted within one week of the due date. No assignments will be accepted after the date of the one-week correction.

Lab and Project: Lab and Project grades will be minor grades like daily assignments. Labs and projects will be due the day following the conclusion of the lab or project (some are multiple days). Missed labs will have a packet and worksheet covering the same information as a make-up and will be due one week from the due date of the original lab. Projects must be made up within one week of the due date.

Major Grades:

Test: Tests will be completed in class. Being absent before the test date is not an excuse to not take the test. All test reviews are posted before the test, and notes are posted at the beginning of each unit.

Test Corrections: Test corrections must be turned in within one week of the test grade being posted. Test corrections include selecting the correct answer and at least four sentences on why the corrected answer is correct, why the answer was incorrect, or the student's thought process. Corrected items on the test will regain half of the original credit for that answer.

Notes and Lab Binder: Students must maintain their Notes and Lab Binder in a neat and organized manner. To help incentivize the importance of the Lab Notebook and taking class notes, I will collect and grade the Notes and Lab Binder at the end of each 9 weeks for a major grade.

Make-up work and Late work policy

Minor Grades:

In-Class Assignments: In-class assignments will have a specific due date (usually the next day) and may be corrected or reattempted within one week of the due date. No assignments will be accepted after one week past the due date.

Quizzes and Practice Tests: Quizzes and practice tests will have a specific due date (the same day) and may be corrected or reattempted within one week of the due date. No assignments will be accepted after one week past the due date.

Lab and Project: Labs and projects will be due the day after the lab or project concludes (some are multiple days). Missed labs will have a packet and worksheet covering the same information as the lab. Labs or projects must be made up within one week of the due date.

Major Grades:

Test: Being absent before the test date is not an excuse to not take the test. All test reviews are posted before the test, and notes are posted at the beginning of each unit.

Test Corrections: Test corrections must be turned in within one week of the test grade being posted. Test corrections include selecting the correct answer and at least four sentences on why the corrected answer is correct, why the answer was incorrect, or the student's thought process. Corrected items on the test will regain half of the original credit for that answer.

Notes and Lab Binder: I will collect and grade the Notes and Lab Binder four class days before the end of each 9 weeks for a major grade. Students will have until the last day of the 9 weeks to correct or submit their Notes and Lab Binder.

Classroom expectations:

BEHAVIOR: All students are expected to follow the standards of behavior as outlined in the SAISD Student Code of Conduct and Central student handbook.

Electronic Devices: The Student Code of Conduct, in accordance with House Bill 1481, prohibits the use of electronic communication devices, including cell phones, smartwatches, wireless/bluetooth earbuds and headphones, paging devices, tablets, or gaming devices while on campus during the school day. Using - defined as out and visible School day - defined as the time from the first bell to the last bell of the day (including passing periods and lunch). On Campus - defined as the campus property

Hats and hoodies: Hats and Hoods will be removed from the head on entering the classroom and remain off. First offense, you will be warned. Second offense, the item will be taken up for the duration of the class, and teacher detention will be assigned. Third and more offense, the item will be given to the principal's office, and a disciplinary referral will be submitted.

Entering and exiting class: My class has specific procedures for entering and exiting class. We will be reviewing and practicing these procedures on the first day of school and students are expected to follow these procedures daily. These procedures are to expedite getting in and out of class, and for student safety.

Class Safety: Class and lab safety is very important in chemistry. We will spend several days learning safety procedures and will have a separate safety contract with the student and parent or guardian. Safety violation consequences are directly related to intent. Accidents happen and are excusable. Accidents because of horseplay or intentionally not following directions are more serious. Intentionally harming a person or damaging equipment will not be tolerated.

Bathrooms / Minga: Minga will be used for any time you need to leave the classroom. One student at a time is permitted to use the restroom during class time based on the current activity in the class.

Most Important:

Respect: We will respect and treat everyone in the class with dignity and as a valued member of the team. Disrespecting anyone in the class will not be tolerated and will result in consequences ranging from teacher detention to an administrator being called to the classroom to remove the student. Be nice and courteous to everyone in the class and we will all have a great experience.