**Stupka Physics Course Syllabus 2018-2019**

**PURPOSE OF COURSE**:

 A. To provide students with a thorough understanding of the basic concepts of physics and the methods scientists use to explore natural phenomena, including observation, hypothesis development, measurement and data collection, experimentation, evaluation of evidence, and employment of mathematical analysis.
B. To instruct students of the fundamental laws of physics and the application of scientific data, concepts, and models for use in the natural sciences and real world situations.
C. To provide students with problem solving skills by an approach that describes physical phenomena with relevant mathematical models and formulae.
D. To develop the student’s mathematical ability to manipulate formulae and derive correct numerical solutions that can be measured in the real world.
E. To instruct students in the competent use of laboratory equipment to collect and record data, apply relevant mathematical models and perform required computations, and present the derived results as an application of a measured observation of the physical world.
F. To have students prepare a written laboratory report that effectively interprets and communicates their results.
G. To have students effectively use computers as a tool for data collection, analysis, and communication.

**Teacher Name:** Mrs. Whitney Stupka

**Room Number:** C129

**Contact information:** Email: **Wstupka@Alvinisd.net**

 Phone: (817) 744-2300

Web site: **stupkascience.weebly.com**

**Tutorials**: **Wednesday and Thursday after school 2:50-3:35**

Please do not wait until the day before (or morning of!) a test to ask for help. Be proactive. When you do not understand something, come in and ask.

**General Assessment and Grade Calculation**

 **Daily Grades**: homework, quizzes, etc = 20%

 **Major Grades**: Tests, 9 weeks Projects = 40% major lab reports = 40%

You can access your grades on skyward or during tutorials.

# Course Outline/Topics

**First Semester Second Semester**

Motion Work, Power, Energy

Uniform Acceleration Thermodynamics

Forces Waves

Gravity Electrostatics Magnetism

Momentum Quantum

**Materials**

1. Notebook
2. Folder or section in binder, for Physics **ONLY**

**CLASSROOM RULES**

1. Be in **YOUR SEAT** ready to work when class begins
2. Bring all your materials to class **EVERYDAY**
3. No eating or drinking in the classroom
4. Be **COURTEOUS** and **RESPECTFUL** to others at all times
5. Cell phone policy is **STRICTLY** adhered to

**MAKE-UP WORK & LATE WORK**

If you are absent, it is YOUR responsibility to get all work that was missed.

For each day you are absent, you have an equal number of days to make up the work.

If you miss a test, then you need to make it up upon return to school.

If you know you will be absent, ask for work before you leave.

***District policy on late work is as follows:***

 Receive a penalty of 10 points per day late

**EXTRA CREDIT**: Extra credit is not offered in this class.

**Review BAT:** Each unit you will receive a unit review. This should be used as a guide while completing class assignments to help you study for the tests. The objective questions will be turned in at the beginning of the period on the day of your unit test.

**UNIT VOCABULARY and OBJECTIVE QUESTIONS**: Your unit vocabulary is included on your unit review BAT. Expect pop vocabulary quizzes after the entire unit has been completed. These quizzes can be cumulative with other completed units. .

**FAILED TESTS**: You must attend two tutorials, one to make test corrections and a second to retake the test. There are retakes to a 75% with tutorial attendance and test corrections.

**ACADEMIC INTEGRITY**

Cheating will not be tolerated in any form.  You are expected to earn your own grade in this class by doing your own work.  All assignments must be done independently unless approval from teacher is given.  Daily grade assignments will be given zeros when cheating is obvious.  Cheating will result in calls home and office referrals. The Student Honor Code will apply to all major grades.

**TARDIES**

If you are not **IN THE CLASSROOM** when the bell rings you are tardy. Please go to the tardy station to get a pass and have your student ID.

**RESTROOM/ NURSE**

Please try to take care of personal matters during passing periods or during lunch. You will not be allowed to leave my class if any other student is out of the room. Emergencies are exceptions.

**WHAT YOU AS A STUDENT NEED TO DO TO BE SUCCESSFUL**

1. Do the assigned reading: As you have noticed, on your unit objective sheet you have assigned reading from the book and/or videos to watch. Make sure they are completed PRIOR to the date needed for class.
2. Do your homework: Homework for my class is only given if you didn’t finish your assignment in class. Please use your class time appropriately to limit your homework.
3. Avoid zeros: Zeros really hurt your grade. A late grade it much better than a zero, so do whatever you can to avoid having zeros.
4. Use your resources: I use **stupkascience.weebly.com**. Here you will find the notes for all the chapters, homework, review information and copies of the laboratory handouts. If you do not have computer access at home, it is available in the library and tutorials.
5. Come to class: The number one reason (after zeros) that students do poorly in this class is lack of attendance. If you are not here you will miss important discussions, labs and tests. If you know you will be out for whatever reason, try to get the assignments from me before you leave, or **stupkascience.weebly.com** to keep up with notes. Remember, you only get one absence and one day per absence to make up assignments with no penalty.

**ADDITIONAL INFORMATION**

The Alvin ISD curriculum for reading, math, science, and social studies is available on the AISD website at **Alvin ISD.net**

The science safety contract is available on the stupkascience.weebly.com and google classroom.

**Please update your contact information through the school to ensure proper teacher parent communication.**