



Physics

Course Syllabus

2015-2016

Eudora High School
Mr. Pickett
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542-4980 ext. 1651
Room E110

Course Materials

Bring the following materials with you to each science class:

1. Science binder with dividers	2. Red pens
3. Pencils	4. Spiral Notebook
5. Scientific Calculator	6. Metal Ruler

Textbook

Zitzewitz, Elliott, Haase, et al. 2009. Physics: Principles and Problems. Columbus, Ohio. The McGraw-Hill

Course Organization

The course will consist of six total units:

Physics Skills	Section 1 - Scientific / Engineering Processes Section 2 - Scientific Math Section 3 - Scientific Measurement
Classical Mechanics	Section 1 - Forces Section 2 - Motion Section 3 - Projectiles Section 4 - Momentum Section 5 - Conservation of Energy
Thermodynamics	Section 1 - Thermal Energy Section 2 - States of Matter
Acoustics and Optics	Section 1 - Properties of Waves Section 2 - Light Section 3 - Einstein's Theories Section 4 - Sound
Electromagnetism	Section 1 - Electricity Section 2 - Magnetism
Energy Sources	Section 1 - Alternative Energy of the Future Section 2 - Energy Transformations Section 3 - Nuclear Physics and the A-bomb Section 4 - Standard Model of the Atom and Particle accelerators

Grades

A typical unit lasts 4 - 6 weeks and may include the following types of assignments:

Type of assignment	Point value
Activities and Assignments	5
Labs and Projects	5/10/20
Quizzes	10
Summative Unit Tests	20
Semester Finals	Equivalent to 20% of overall point total for the semester

Tests

Summative tests will be taken at the end of each unit. Summative tests have a point value of 20 points each. If you score below 70% on a summative test, you have the option of coming in after school to re-take the test. The highest score that can be earned on a re-take is 70%.

Final exams will be taken at the end of each semester. The final will account for 20% of the overall semester grade (usually about 80 points)

Quizzes

There will frequent quizzes throughout each unit. Quizzes will have a point value of 10 points each. The majority of your grade will be made up of quiz scores.

Assignments and Activities grading scale:

5 points	The assignment is complete and at least 90% correct. All directions were followed. This is high quality work. All outlined requirements were met.
4 points	The assignment is complete and 70% - 89% correct. The work quality is satisfactory. Most requirements were met.
3 points	The assignment is less than 70% correct. Directions may not have been followed correctly. Work is of poor quality overall. Few requirements were met.
0	The assignment is not turned in or was not graded accurately in class.

Grading Scale

The grading scale will be consistent with school policy. 90-100=A, 80-89=B, 70-79=C, 60-69=D, 0-59=F
In many cases, especially with choice assignments, you will check your own work using a red pen. You are expected to score honestly and accurately. If I determine that you failed to do this, you will be given a zero for the assignment.

Progress Reports

Progress reports for all students will be available through the Powerschool Student and Parent Portal at:
<https://ps.eudoraschools.org/public/>

Classroom Procedures (The top 10)

1. Sit in your assigned seat and begin working quietly before the bell rings.
2. Handle materials and equipment carefully and return them to the proper place when finished.
3. Use appropriate language.
4. Use the desks and counters without damaging or marking on them.
6. Ask me for permission before taking anything from cabinets, drawers, shelves or my desk.
7. Listen when I am speaking. Make eye contact and give me your full attention.
8. Treat others with respect (including me.)
9. Ask me for permission before leaving the room or using a cell phone or device.
10. Follow all lab safety guidelines.

Failure to follow a classroom rule or other disruptions may make it necessary for me to submit a minor or major referral. You may also be asked to stay after school with me or serve a detention in the office.

Absences

If you are absent and miss science class, it is your responsibility to obtain the materials that you need in order to get caught up. I will keep a record of the previous assignments and activities and extra copies can be obtained in a specific location in the classroom. The chromebooks are available in my classroom to check the website for missed assignments. You can check to class website for assignments at: <http://pickettscience.weebly.com/>
If you need further assistance you can speak with me before or after school.

Tips for Success

1. Keep track of all assignments, tests, and projects in a planner, calendar or notebook. Have a plan and stick to it.
2. Complete assignments on time so that you are prepared for quizzes.
3. Fully participate in class activities, labs, and discussions.
4. Keep your science binder and notebook well organized.
5. Write neatly and do your best work on all assignments.
6. Use the website and online resources.
7. Gain the favor of your instructor. (I like students who are polite, courteous, respectful, cheerful, and friendly.)
8. Challenge yourself to learn as much as you can.
9. Keep all completed assignments in your classroom folder.