

Syllabus

Physics

Mr. Damm

Course Description:

The major objectives are to help the student view science as a means to study the world and universe around us, to develop the skill to make observations and to use those observations to solve problems and reach conclusions, to understand the role of physics in our society, to obtain the knowledge of science necessary to be informed citizens, and to gain the knowledge of physics necessary for college, vocational school, or work.

The course will include numerous activities and computer work to supplement the normal class lectures and discussions. The topics covered in the course will include the study of motion, forces, work, kinetic and potential energy, electricity and magnetism, waves, light, and other topics.

Expectations:

There are things that I expect from every student taking my class. These expectations are set so that every student has an equal opportunity to learn in the same distraction free environment.

1. Be seated in your assigned desk with your work out and ready to start when the bell rings. Tardies will be given to any student not in the classroom when the bell begins to ring. Students not in their seats when the bell rings will receive one warning after which they will be given a tardy.
2. Bring everything you will need for class everyday. Things that you will need everyday include your textbook, Science notebook, and a writing implement (pen or pencil). You will not be allowed to return to your locker to retrieve one.
3. Assignments should be done before you get to class. If you have questions you should ask me before class. All homework assignments are due at the beginning of class. At the start of each class I will check the previous days work. Any student that is not done with the work will a zero on the assignment.
4. Make up work is your responsibility, if you are absent or missing from class it is up to you to come ask me what you missed. You have one day for each day you are gone for class. For example: If you were gone from school on Monday you would have until Wednesday to complete the work, If you were gone for two days you get four day to make the work up.
5. Remain on task while in class. You should be working on assigned work while in class students that are not on task may be given time after school to make up for the time wasted in class. If you constantly finish your work before your classmates you should bring a book or extra work to class to keep yourself occupied.
6. Bathroom breaks should be taken care of in between classes.
7. All school rules and school policies that are set by the school board and found in the student handbook are to be followed while in my class.

Work:

In Physics students will be required to complete daily work, most daily work will be started in class and often finished in class, but when homework is assigned it is always considered due the next school day.

Lab work is any assignment or experiments that are done in the lab setting. All lab assignments will have three parts an introduction, which is usually a worksheet with questions. The actual lab its self which will be different for every lesson. The third part of the lab assignment is the post lab write up, this write up is done after every lab and will be explained in more detail before we do our first lab.

LATE WORK

I do not accept late assignments any work not turned in on time will be recorded as a zero. The only time you are allowed to hand in work at a later time is if you have and excused absence from school. Being gone because of sports in not considered an excused absence. If you are in a sport and you know that you are going to be gone it is your responsibility to get the work ahead of time. All work that you miss because of a sport is due the next day unless other arrangements are made.

Extra Credit

There are limited opportunities for extra credit in my class. These opportunities are available once per quarter and students need to sign up to do extra credit by the second week of each quarter.

Retests

I do not offer retakes for tests or other assignments. I expect students to study for the test the first time. This is meant to make students more responsible for their own learning. I don't think it teaches students anything to give repeated second chances.

Grading

As I stated in the previous section late work is not accepted and will be reported as a zero in the grade book. That said the following grading scale will be used to figure your letter grades in this class.

Mr. Damm's Grading Scale			
100-93	A	76.9-73	C
92.9-90	A-	72.9-70	C-
89.9-87	B+	69.9-67	D+
86.9-83	B	66.9-63	D
82.980	B-	62.9-60	D-
79.9-77	C+	59 - 0	F

I grade exclusively on points this means that every thing that you do during the semester will be worth a certain amount of points which will count towards your grade. Daily work and tests will only show up as points towards your final grade. Tests are worth more points, and therefore affect your grade more than daily work.

Semester Schedule:

The following schedule is a general outline of the material that we will be covering this semester. As the semester wears on, the schedules will change and chapters may be added or removed. The order of the chapters may be revised as the semester continues.

• COURSE OUTLINE:

Unit No.*	Unit Title
1	The Science of Physics (1)
2	Motion in One Dimension (2)
3	Two-Dimensional Motion and Vectors (3)
4	Forces and the Laws of Motion (4)
5	Work and Energy (5)
6	Momentum and Collisions (6)
7	Circular Motion and Gravitation (7)
8	Vibrations and Waves (11)
9	Sound (12)
10	Light and Reflection (13)
11	Refraction (14)
12	Interference and Diffraction (15)
13	Electric Forces and Fields (16)
14	Electrical Energy and Current (17)
15	Circuits and Circuit Elements (18)
16	Magnetism (19)
17	Electromagnetic Induction (20)

The numbers after the unit title show the chapter number in the text used for the course, Holt Physics 2006. Some of the units may be combined into one unit as is necessary to meet the time limitations of the course. Each unit should take approximately 5 to 6 days.

Student and Parent Acknowledgement Sheet

The sheet signed by parent and student says that both parties have read the course syllabus and have understood the items discussed in it. By signing this sheet the student agrees to follow the rules that were covered by the syllabus and all classroom and student handbook rules. Any failure to follow these rules will result in correctional efforts. By signing this sheet the parent agrees that they and the student understand the policies and rules of the classroom and agree to follow and support them.

Student Name: _____
(printed)

(signed) Date _____

Parent signature _____
(Signed)

Parent Email _____