

Physics is the science that gives the mathematical explanation of the world. "I see in Nature a magnificent structure... that must fill a thinking person with a feeling of humility..." -Albert Einstein

Materials

- Book: Physics (9th edition) by Cutnell & Johnson, online
- The notebook can be anything you wish, as long as you have one location to put all of your materials. I give out lots of worksheets. We will be having **notebook checks**.
- Pens, multiple colors for notes
- Pencils and an eraser
- All work (homework, quizzes, tests and labs) is to be done in pencil to receive any credit, or it can be typed.
- Calculator either TI-83, 83plus, 84, 84plus, 89, Nspire CX
- The calendar of assignments, etc. is on this web page: msconnollysclasses.yolasite.com
The google calendar can be added to yours by clicking in the lower right corner of mine. Then updates will be posted to you.
- You also must have an account with schoology.com (the access code is FJD93-TBD8Z) and with assistments.org (Our district is the Diocese of Worcester, beyond that you should be able to follow through and join the class.)

Description/Objectives

This course is designed to cover the major topics such as: kinematics, energy, momentum, circular motion, and gravity. When this course is finished you should be prepared to move into college physics with confidence. This course is very much like another math class, where we do word problems all the time.

Expectations/Rules

- Enter room, take out **book**, notebook, pencil, calculator and homework. You may not always use the book each day in class, but bring it anyway just in case.
- You are responsible for showing me your previous nights homework, before class starts. I will walk around the room at the start of class to look on your desk. If it is not out and ready, I keep walking and you get a zero.
- Done completely and well is 5/5, missing 1 or 2 problems depending on length, or not attempting the problems in a good fashion, will result in a lower grade, either an 4/5, 3/5 or 0/5. If you continually show me less than adequate work you will get detentions. An assignment shown later the same day unless on the tardy list is also marked down. If your homework is not done, you get one pass each semester. After that you receive a detention for not completing homework. We do not make up work at the end of the quarter.
- We will go over the previous night's homework. If you had major problems and cannot understand what was done on any problem you should come see me, check extra help schedule.
- After the new topic for the day has been discussed the remaining time in class will be used to work on homework. Be sure you use this time.
- If you need extra help (better to be pro-active, not re-active) I will be available in the physics lab.

Policies

The power points of the notes is available online at schoology.com, for you to print out if you wish. This can then be used as an outline of your notes. You will then write and fill in around this outline. Your notes and homework should be kept in one notebook in a dated and orderly fashion. I am looking for hand written or typed notes, not pictures. You are not taking pictures of displayed work, write it down! This helps keep it in your head. After each days notes I should then find your homework for that night. I will be looking for this in a notebook check each quarter, and you will be graded on this.

There will be approximately 25-35 minutes of homework a night. If you are absent you can find the homework online, by checking my website. Sometimes it will take longer, but I will try to balance these days with a lighter day, at a time of my choosing. You will have to be the judge if homework is taking too much time; can you afford not to finish that night, and still understand what is happening in class the next day. The remaining assignment should still be finished at a later date. I don't expect this to be a normal occurrence; it will not be good for your academic success.

Extra Help Schedule: Every day after school from 1:50 until 2:25. If I am not in the physics lab **wait**, I should be there shortly. It is much better to see me as soon as questions arise instead of waiting to see if you understand it after a couple of days.

Quizzes start when the bell to start class goes off. The quiz will be on the table at the front of the room. If you are late arriving you are only eating into your own time to take the quiz. If you are early you will have a little extra time. Tests will be given in the same manner.

Grades

Daily **homework** is your responsibility to show me at the start of every class. All problems need to be attempted to receive full credit (5/5). You cannot make up missing homework at the end of the quarter. If you were absent you have double the number of days you were out to show me the missed homework you are responsible for finding out what this is, not me. If not shown to me you will not receive credit for the assignment. Do not depend on me to remember to check your late work, whether I ask or not it is still due.

Quizzes will be given a couple times during each chapter and will frequently require the use of either your phone or tablet. They will be made up with short answer questions or multiple choice questions. Some mathematical problems will also be done. For each quiz you will be given a piece of paper with equations on it, that I deem necessary for solving the problems. They are given upon entering the classroom, we don't discuss anything before taking the quiz. Each problem on a quiz is worth 5 points. Expect to take the quiz you missed due to absence, the morning or afternoon of the day you get back. If you skip the time set up for retake without good reason and a note, a zero will be assigned. If you do not make up work within 2 days, for each day, of being absent you will receive a zero.

Labs will be done with different frequency depending on the chapter we are in. For each lab there will be analysis questions that come with it. The point distribution will be with each question. The questions should be answered on a separate sheet of paper or typed, with the original lab included as a rubric. This year we will also be doing a full and detailed lab report too. A due date will be given according to how long the lab write up is, frequently one or two days after the lab has been completed. If you miss a lab activity

you will need to find time after school to come and complete it. I would advise bring a friend to help in the data gathering process. You have three days after the lab has been completed to get your data collected. A lab is due the day and period that class meets, with no exception. If you are absent, find a way to get the lab to school either email, share me in the google doc, or it will be marked late. A late assignment is decreased by one letter grade (10%) for every day it is late.

Tests will be given with at least two days notice. These will be a full period in length. They are to be completed in pencil, to receive any credit. For each test you will be given a piece of paper with equations on it, that I deem necessary for solving the problems. Concept questions will be worth 5 points a piece, while numerical calculation problems are worth 10 points a piece. Tests are to be made up within two days, for everyday absent. If not completed in time a zero will be assigned. Please come and see me as soon as possible to schedule a time for a make up.

If you have any questions or concerns over your child's progress, please e-mail me at maureen.connolly@holyname.net it is the easiest way to get in touch with me. I can either e-mail you back or you can leave your number and times when I can reach you.

Please sign and return to me. A copy is available online for reference at my website and schoology.

=====
I have read and understand the course expectations for Ms Connolly's class.

Signature of Student

_____ Date: _____
Signature of Parent

_____ Date: _____