

Course: Physics

Text: Physics by Serway (Holt)

Web Site: www.argophysics.com/dwyer/

Email: chsdwyer@yahoo.com

Teacher: K Dwyer

Phone: 220-4144

Room: 209

Conference: Per. 4 (11:17-12:09)

Course Description: A college preparatory laboratory science covering the study of motion, how forces affect motion, various forms of energy, momentum, heat, wave motion involving sound and light, electricity, magnetism, nuclear physics and the application of these concepts in the physical world. This is a college preparatory course. Students must earn a "C" or better in both semesters of this course for it to qualify for college admissions.

Course Objectives: This course will meet the standards of the UC system as a Lab Science and will help prepare students for AP Physics or any future Physics taken in college. The students will be engaged in activities that support all of the CHS Expected Schoolwide Learning Results:

- 1. Essential Skills: Students will acquire the mathematical computational and reasoning skills needed to analyze and solve problems in Physics, identifying the appropriate principles and mathematical relationships needed..*
- 2. Critical Thinking Skills: Students will engage in complex problem solving and analysis.*
- 3. Technological Skills: Students will utilize a variety of scientific instruments to gather and analyze data to discover and confirm certain concepts.*
- 4. Career Planning Opportunities: Students will observe the power of physics as it is utilized in numerous occupations through problem solving applications. There will be a speaker in June to present the Navy's nuclear energy program.*
- 5. Life Long Learning: Students will focus upon individual achievement and behavior accountability in an atmosphere conducive to mutual respect, individual growth and personal safety.*

School Policies:

Cheating: Students who cheat on a test or assignment will be given a "0" grade for that test or assignment. Students who cheat a second time will receive an F and be removed from the class.

Tardies: Students who are tardy will receive a 60 minute detention. Repeated offenses will result in administrative action as well.

Class Cuts: On the 1st class cut, a two hour detention will be assigned. On subsequent class cuts there will be administrative action.

Departmental Policies:

Homework: Nightly assignments will be given. Assignments are to be completed by the date given when assigned. Late work will receive no more than ½ credit. Assignments not completed by the test will be severely penalized. No work will be accepted after the test for the given unit.

Make-up work: There will be a one day extension for assignments and tests for each day of verified excused absence. There is no make-up for unexcused or unverified absences. Excessive absences on or near the test day will require direct parental contact for make-up work to be accepted.

Textbook:

Cover: Textbook must be covered at all time, subject to a fine, detention, or loss of use the book.

Damage: Students must note damages to textbook on the textbook checkout card at the time of receipt of the book. If a book is damaged during the year, the students will be held responsible for the replacement cost.

Water Damage: If there is any evidence of water damage or stains from something spilled on the book or left in the rain, the student will have to pay for a replacement book.

Responsibility: You are responsible for any damage to the book, so do not lend it to a friend or leave it where it could be damaged or stolen. If a book is lost, the student will be required to pay the replacement book.

Class Web Site – www.argophysics.com/dwyer/

www.argophysics.com/dwyer/ is our class web site. It contains course information, a listing of the Physics standards that we will cover and links to numerous useful and fun Physics sites.

Grading Scale:

A: 90-100% B: 80-89% C: 70-79% D: 60-69% F: Below 60%

Final percentage is determined by calculating the total points earned on all tests, quizzes, homework assignments, class work assignment, lab work, and class participation. This total is then divided by the total points possible. *Remember grades can be checked on **Zangle** by students and parents at any time. I will update the grades after every test.*

Grades:

Unit Tests and Quizzes: Approximately 60% of the grade.

Unit Tests: Given at the end of each unit and kept on file at school.

Quizzes: May be given at any time.

Assignments: Approximately 40% of the grade

Problem Sets: will consist of Questions (which must be answered in complete sentences) and Problems (which must have all work shown and formulas shown).

Labs: There will usually be at least one laboratory period per unit, more if at all possible.

These labs will be completed in class and write-ups will be turned in one or two days later.

Make-up labs are to be done by appointment only. Format of write-ups will be explained with each lab.

Activities: There will consist of various types of tasks—demonstrations, Review problems, Supplemental problems, video worksheets, etc.

Class work: At the beginning of many class periods, there will be a short assignment to be completed at that time. These questions will deal with concepts of physics and may be on any topic.

Student Planners: Students will keep a daily record of class activities and assignments in the school planner. These will be checked periodically and be part of the participation grade.

Notebook: Each student will keep a separate binder/notebook for this class. Notebooks will be worth 50 points and will be collected near the end of each quarter.

Notebooks should contain the following:

- 1) Title page
- 2) This course outline.
- 3) Physics State Standards (I will give you this)
- 4) Class Notes in order by date and unit.
- 5) Assignments/Labs in order by date

I have read and understand the policies for Mr. Dwyer's Physics class. I understand that I can check grades on Zangle at any time and that grades will be updated after every test (approximately every two weeks).

Student Name: _____(Please print clearly)

Student Signature: _____

Parent Signature: _____

Parent E-Mail address: _____

TURN IN THIS COMPLETE PAGE. Keep the other copy in your notebook.

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(A copy of this page is available online at www.argophysics.com/dwyer/. Click on Physics.)

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KEEP THIS COPY IN YOUR NOTEBOOK