

CONCEPTUAL PHYSICS

INTRODUCTION AND ADMINISTRATION

Course Title: Conceptual Physics

Course Instructor: Mr. Clark, Room 42

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Class Wiki: <http://mrclarkphysics.wikispaces.com/>

This course is an in depth study of the central concepts of physics requiring basic mathematical and problem solving skills. Topics include: motion, forces, work, energy, momentum, electromagnetism, electricity, waves, thermodynamics, and fluid dynamics. The basic text is Glencoe's "Physics – Principles and Problems". Conceptual Physics is a 2 semester 10 unit science course for Lincoln H.S. graduation.

CLASS REQUIREMENTS:

1) Homework/In class assignments: Homework assignments will generally be problem sets that will be due at the *beginning* of class on the assigned due date (usually Thursday). Late homework may be turned in within the grading period but will only receive partial credit.

2) Quizzes and Exams: Test will generally be scheduled at least two days ahead of time. Make-up tests may be different from the original test. You will have as many days as you were absent to make-up a test. Scheduled absences (extracurricular activities) on testing days must be coordinated with the teacher at least 48 hours in advance. You must schedule your make-up test with your instructor. Failure to contact the instructor for the make-up will result in a "0" grade. Quizzes may be given and may be unannounced. *You may make up a test/quiz for up to half of the points that you got wrong.*

3) Projects/Labs: Both Projects and Labs will generally be a group activity and a *team* lab report/project will be submitted for grading. All team members must demonstrate *individual contributions* to the exercise. All team members will be held responsible for the safe use and return of all equipment assigned to their group.

4) Class Participation: Participation points will be given for on time attendance and full participation in all class activities based on teacher observation.

Grading: Your grade will be calculated using the following approximate guidelines: Tests and Quizzes (50%), Homework/Exercises (20%), Projects and Labs (25%), and Class Participation (5%). Test scores may be evaluated on a curve, at the instructor discretion. General guidelines for report card letter grades are (approximately):

90% - 100% = A (excellent)

80% - 89% = B (good)

70% - 79% = C (average)

60% - 69% = D (poor) 0% - 59% = F (failing)

There may be some limited extra credit opportunities offered throughout the year.

Classroom guidelines:

- 1) All people in the classroom will be respectful to each other, to the room, and the materials in the room.
 - Using respectful language to each other, teacher, and guests
 - Keeping tables, or other lab equipment in good condition and unmarked
 - Disposing of food, gum, and non-water before entering the classroom
- 2) All people in the classroom will be prepared, and ready with necessary documents
 - Bringing in all materials to succeed in the class (i.e books, pencils, paper, binder)
 - Having papers ready to turn in on the due date.
- 3) From the bell, everyone will be ready to engage in the class.
 - When the tardy bell rings, students and teacher will be engaged on the first item of the agenda

If the above guidelines are not met, the following responses will be issued.

- 1) Not being respectful
 - a) Verbal warning
 - b) Talk between teacher and student
 - c) Behavior contract between student and teacher
 - d) Call home for parent discussion and/or detention
 - e) Administrative action

Note: All major disruptions will result in immediate administrative action

- 2) Not being prepared
 - a) Assignments not turned in on the due date will suffer a point reduction
 - b) Assignments may be turned in before the 6 week grading period for partial credit.
 - c) After the 6 week grading period, no assignments will be collected.
- 3) Not being engaged
 - a) Verbal warning
 - b) Talk between teacher and student
 - c) Behavior contract between student and teacher
 - d) Call home for parent discussion and/or detention
 - e) Administrative action

Safety:

Safety in the class is essential! Inappropriate behavior will not be tolerated and could result in a "0" on an assignment. Safety is common sense. By enrolling in this course you are agreeing to use common sense and obey the following rules. Serious violations can result in removal from the course.

- The instructor will demonstrate how to use all equipment
- Make sure you are familiar with all equipment before using it

Course Information Acknowledgement Form

Student Acknowledgment: I have thoroughly read the course information.

.....
Signature of Student

.....
Date

.....
Printed Name of Student

.....
Class Period

Parent/Guardian Acknowledgement: I have read the course information with my child.

.....
Signature of Parent or Guardian

.....
Date

Preferred method of communication:

.....
Phone Number

.....
Email Address