

Classroom Syllabus

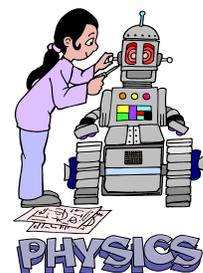
Conceptual Physics 2010-2011

Mr. Miller

Introduction: Conceptual Physics is an academically demanding laboratory science course. During the year the class will cover the subjects of mechanics, waves, optics, magnetism, and electronics.

Textbook: Conceptual Physics by Paul Hewitt

Necessary Materials: 1 ½” 3-Ring Binder
Dividers for 8 sections
1 packet of 3 hole punched lined paper
Scientific Calculator with trigonometric functions
Pen and pencil



Physics Notebook: Students will keep completed assignments in a 1 ½” 3-Ring Binder with separate sections. The notebook will be collected on the day of each test and counts towards a student’s homework grade.

The order of the dividers are: notes, warm ups, bookwork, worksheets, labs, tests, project, lined paper.

Homework: Students can expect 2-5 hours of homework per week. Homework is posted at the front of the class during every class period. Homework is due at the beginning of next class meeting unless specified. All work is to be completed on time. **No late work will be accepted (except for excused absences).**

Labs: Students are required to read and do any prelab work before the day of a lab. Lab quizzes may be given before a lab to check students reading of the lab. Students must abide by lab safety rules and are responsible for the care and maintenance of lab computers and equipment. **If a student fails to follow lab rules, they will be excused from the lab and receive a zero on that lab.**

Project: During the first trimester, students will be given a physics experiment, for which they are to design, build, and present their experimental set up and results. This project may require the student to spend up to \$20.00 on materials. Financial aid from the teacher is available.

Warm ups: Students will periodically be given warm ups at the beginning of each class to determine students’ knowledge of the material. Each warm up should be written on its own piece of paper in the Physics Notebook. They are used to help prepare students for upcoming tests.

Quizzes/Tests: Tests will be given on the material from the textbook, lectures, audio-visual material, homework, and labs. Format of the tests will vary but may include definitions, multiple choice, true/false, problems, and essay questions. All necessary equations and maybe some unnecessary ones will be given on the day of the test.

Trimester Exams: The trimester exams will be a comprehensive exam covering the material from that trimester’s material.

Grading:	35%	Homework	93-100%	A	83-86%	B	73-76%	C
	25%	Labs	90-92%	A-	80-82%	B-	70-72%	C-
	30%	Quizzes/Tests	87-89%	B+	77-79%	C+	60-69%	D
	10%	Project (First Trimester Only)						

Class participation is not specifically graded but is expected and can positively influence a borderline grade.

Website: Classroom materials, calendars, and other resources can be found at www.millerphysics.com
Password: orange

Make Up Policy: If a student is absent from class, it is their responsibility to obtain missed notes and assignments from other classmates. Students have 2 days to make up work for each day absent including homework and labs. Labs can only be made up after school on Monday, Tuesday, or Wednesday.

Students absent the day of a quiz or test will make up the quiz or test the day they return during class. No exceptions. Students absent the day before an announced test will be expected to take the test with the class.

If students are absent for an extended amount of time, they will need to meet with Mr. Miller to set up a schedule of when missed material will be due. **Failure to make up work in the appropriate time will result in a grade of zero for that assignment.**

Office Hours:

Mr. Miller will be available in his classroom on Monday, Tuesday, Wednesday and Friday after school for extra help.

Class Rules:

Students should bring their textbook, physics notebook, calculator, pen, and pencil to every class. Unprepared students will be assigned detention.

Students are expected to be in their seats with all of their materials present when the bell rings. Students will not be allowed back to their locker after class begins. No student will be admitted late to class without a tardy slip from the office. Repeated tardiness will result in detention.

Daily class attendance is expected for successful completion of this course. Attendance will be taken at the start of the period. Students exceeding the maximum number of absences permitted for each trimester will receive no credit and no grade in the class. Refer to the Student-Parent Handbook for details.

The class will be conducted with mutual respect for each other and attentiveness to the subject matter. Each student is expected to listen and respect one another throughout the class. Also students are to remain in their seats until the bell rings signaling the end of class.

Students should use the bathroom during passing periods. Students may use the bathroom during class if necessary but this privilege may be taken away if abused.

No food, gum, candy, or drink will be allowed in class. Only bottled water is allowed.

Students will not be permitted to borrow or share calculators during quizzes and tests. Also playing games on your calculator will result in detention.

CHEATING will not be tolerated. If a student is cheating or copying another student's work including homework and labs, both students will receive a grade of zero on the assignment and be assigned detention.

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