

Introduction to Physics Syllabus

Course Introduction and Requirements 2017-18



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COURSE CONTENT AND GOAL: This course is designed to familiarize the student with the basic principles of elementary physics. The class period will be devoted to the investigation of natural phenomena by means of lecture, discussion, and solving problems. As a non-laboratory introductory survey course, the basic concepts of physics (motion, vectors, waves, light, momentum, work energy, electricity and magnetism, relativity, and atomic structure) will be covered and may include corresponding demonstrations and activities. This course will prepare students for more advanced science courses, and equip those considering a career in medicine, science, math, or engineering.

TEXTBOOK: Conceptual Physics 11th Ed, by Paul G. Hewitt, Pearson Publishing Company.

REQUIRED MATERIALS:

- **Syllabus:** returned signed by student & parent/guardian
- **Composition Notebook:** for Cornell/Focus Notes (spiral notebooks not recommend)
- **Writing Utensils:** pencils are preferred for calculations
- **Scientific Calculator:** must have LOG key, (recommend Texas Instruments TI-30Xa or similar)

GRADING POLICY: There will typically be weekly lecture notes, class work, and starters. Quizzes will generally be bi-weekly with one test per unit. Unfinished class work automatically becomes homework, and will be due the following day. If a student is going to be absent on an assignment due date, prior arrangements should be made. Any late work turned in within one week of due date will count for half credit; after one week it will count as zero. Late assignments received from unexcused absences will not be accepted.

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

Grades are calculated by a total point method and then converted into a percentage. Student progress can be checked on Aeries and will also be given out during the triad.

TESTS AND QUIZZES: Tests are given periodically throughout the year with advance notice. Quizzes will be given biweekly. If a student must miss a test or quiz for any reason **it is the responsibility of the student to notify the teacher as soon as possible.** Make-up tests and quizzes are only given during lunch or before/after school.

Assignment Type	% of Final Grade
Test & Quizzes	30%
Projects & Participation	30%
Class work & Homework	30%
Semester Exam	10%

PROJECTS, PARTICIPATION, and ATTENDANCE: In order for students to be successful they **MUST** attend class. Class Participation and Project work is often graded by a stamp point system and totalled every three weeks. Extra credit participation stamps are also given to those students who come to class focused, prepared, and get involved in the discussion. If you are absent, it is the students' responsibility to copy the notes from a friend and see me about any notes/make-up work. Students may not make up work from unexcused absences.

CLASS WORK & HOMEWORK: Physics requires about 20 minutes per night for homework plus time needed to complete class work, or study for tests. Homework will usually consist of reading the current chapter and solving mathematical word problems. Students will also need to study their notes every night as homework, and complete any unfinished class work. Homework will reinforce the lecture and help guarantee understanding.

TARDY POLICY: It is very important for students to be in class on time. Students earn points by completing the daily Starter Activity and quizzes during the first 5-10 minutes of class. The school tardy policy will be enforced.

<u>CLASSROOM RULES:</u>	<u>SCHOOL RULES:</u>
1. Be Respectful	1. No food, drink, or gum in class
2. Be on Time	2. Follow all School and Class Behavioral Expectations
3. Be Focused	3. Follow the School Dress Code
4. Be Prepared	4. No Cell Phones & other digital devices during class time
5. Be in attendance everyday	5. The teacher dismisses the class, not the bell!

Classroom Etiquette

Students are expected to adhere to all classroom/school/safety rules and expectations at all times. Students are to remain seated unless instructed otherwise by the teacher. Students should have all cell phones and digital devices turned off and put away prior to entering the class. Students should also exhibit proper email etiquette when emailing the instructor. Students are also expected to keep all appointments scheduled with the instructor. Students who are unable to keep appointments must notify the instructor as soon as possible. Students who do not exhibit proper etiquette will be warned 3 times before loss of privileges and/or administrative disciplinary action.

RELEVANT/APPLICABLE/CAREER PATHWAYS FOR PHYSICS STUDENTS:

Geophysicist	Medical Physicist	Inventor	Radiation Protection
Architect	Engineer	Energy Exploration	Research and Development

PLEASE RETURN THE BOTTOM PORTION OF THE SYLLABUS SIGNED BY STUDENT AND YOUR PARENT/GUARDIAN TO MR. LIDDELL BY _____ FOR HOMEWORK CREDIT.

By signing this document I signify that I understand that I am held accountable for my actions in this class; therefore I will be focused, prepared, and ready to work everyday. I have read and understand all course expectations and consequences from the syllabus. I will maintain a Successful Science attitude.

Student Signature

(Date)

I, the parent/guardian of the above student, have read and understand the course syllabus, and all classroom expectations. I realize that in order for my student to be successful I must provide them with educational support. I know that if I have questions about my student's grade I can call/text Mr. Liddell at (951) 330-2882 or by e-mail at Teacher@MrLiddell.com. I understand that my student will be notified of any changes to this syllabus, and that I can view homework & course documents from Mr. Liddell's website www.MrLiddell.com.

Parent / Guardian Signature

Contact Phone Number

(Date)