

Distance Learning Introduction to Physics Syllabus

Course Introduction and Requirements Fall 2020



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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. Please schedule an appointment with the library if you have not received your copy

REQUIRED MATERIALS:

- **Chroombook/digital device:** for access the Google Classroom and course material
- **Composition or Digital Notes:** for Notes & Labs (it is the student's responsibility to keep current notes)
- **Writing Utensils or Digital Notes:** pencils are preferred for calculations
- **Scientific or Chromebook Calculator:** must have LOG key, (recommend TI-30Xa or similar)

GRADING POLICY: There will typically be weekly lecture notes, class work/questions homework, starters, today's questions and bi-weekly test or quizzes. Scores below 85% on test/quizzes can be re-taken up to two times. The most current score will be the score that stands. Digital Labs, Current Science, Newsela and other articles will also be assigned and will require the student to read, collect data, review online news articles, or use other internet sources/videos to do research, answer questions, and document facts scientifically.

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

Homework: Asynchronous work and unfinished class assignments will become Homework. All assignments will be due by 11:59 pm on the Saturday of the week it was assigned. If a student is going to be absent, prior arrangements should be made to notify the teacher. All late work will count for half-credit throughout the current triad that it is due. Incomplete work will count as a zero.

Copying/Cheating: Copying or cheating on any assignment will count as a permanent zero for both parties involved. It's the student's responsibility to turn in their assignments on time, honestly, and complete.

Assignment Type	% of Final Grade
Test & Quizzes	30%
Class work, homework, & participation	30%
Lab work, projects, Current Science	30%
Quarter/Semester Exams	10%

Class and School Rules: We will follow all District and Tahquitz High School rules and expectations, along with all of the distance learning class rules we created.

Acknowledgement: I understand that I am held accountable for my actions in this class; therefore I will be focused, prepared, and ready to complete work everyday. I have read and understand all course expectations and consequences within the syllabus. I will maintain a Successful Science behavior at all times.