

Physics I

Textbooks:

- Exploring Creation with Physics by Dr. Jay L. Wile
- Optional: Tests & Answer Key
You may find this helpful for self-check, but the parent needs to decide whether to have it readily available for their student or not.

Where to Purchase:

This text can be purchased at <https://bereanbuilders.com/>, but will not be available until some time this summer. I recommend setting up an account and joining the waitlist for this text.

Please purchase the textbook prior to the first class day and bring it to each class.

Prerequisite: Algebra 2

If the student has a strong background in Algebra I and will be taking Algebra 2 at the same time as Physics, he/ she may do okay, but let's discuss it first. Trigonometry is the main math focus in this course, which is usually taught in Algebra I or Algebra 2, depending on the curriculum.

Supplies needed: 1" 3-ring binder, dividers, notebook paper, pencils, *scientific calculator*

Course cost: \$315/semester or \$560/ year.

A supply fee of \$50 to cover lab supplies is due before the first class.

Copy Fee: \$5

A 30 page lab notebook that I've created will be included with this course.

Course Description:

"This course is designed to be a first-year high school chemistry course and gives the student a rigorous foundation in chemistry, in order to prepare him or her for a college-level course. Topics: significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. Students who take and understand this course will be very well-prepared for a tough university chemistry course."

What to Expect:

This will be a lab-focused class which means it is very hands-on. Lab is supplemented with brief lecture, discussion and occasional short videos as teaching tools to keep students engaged. Students will be expected to complete labs (mostly in class, lab sheets to be completed at home), complete reading assignments to be prepared for class and complete the Comprehension Check and Review Questions in the text. They can expect to have 3-7 hours of homework per week.

- Tests: All students in this class must complete take-home tests.
- Project: One project for the year will be expected to be completed at home and brought to class for presentation.
- Tutoring: I'm available for in home or Zoom tutoring if needed.
- Grading: Students will be graded on most assignments and are expected to turn in completed assignments at the next class meeting. Late assignments will be accepted at the instructor's discretion.

If there are any other questions about the course, please contact me at beyondstricklyliving@gmail.com or text me at 210-219-4929.