



Advanced Physics in Creation

By Dr. Jay L. Wile

Scope:

Advanced Physics in Creation provides detailed descriptions of kinematics, dynamics, rotational motion, gravity, oscillations, waves, optics, thermal physics, electrical forces, electrical potential, DC circuits, magnetic forces, atomic physics, and nuclear physics. The student is also given an introduction to the fascinating topics of special relativity and general relativity.

“The way you explain things is so clear. I never thought I could understand physics . . . This course has got me thinking of becoming an engineer.” (Student)

Methodology:

This course was written specifically for homeschoolers. It is designed with the idea that the student is working alone with the course. This means that all of the explanation that a teacher would normally give orally in class is included in the book, step by step. This is also why the course is written conversationally, to make the student feel like someone is speaking directly to him or her. Here is what parents and students have said about our courses:

“This is the first time in our homeschooling experience that my child is completely on his own learning a subject that I know little about. . . Thank you for a great course!” (Parent)

“I’m writing to thank you on writing a very interesting science book. I love how you say things in first person. It makes it feel like you were right there beside me.” (Student)

Labs:

Advanced Physics in Creation contains 23 labs covering topics such as vertical pitching speed, Atwood’s Machine, conservation of momentum and energy, static rotational equilibrium, wave motion and standing waves, light waves, simulating curved spacetime, adiabatic compression and expansion, Coulomb’s Law, making a Leyden Jar and much more. All the labs can be done using household products.

Pacing:

This text contains 16 modules. Each module should take you about 2 weeks to complete, as long as you devote 45 minutes to an hour of every school day to studying physics. At this pace, you will complete the course in 32 weeks. Since most people have school years that are longer than 32 weeks, there is some built-in “flex time.” You should not rush through a module just to make sure that you complete it in 2 weeks. Set that as a goal, but

be flexible. Some of the modules might come harder to you than others. On those modules, take more time on the subject matter.

Pre-Requisites:

In order to take this course, a student must have already completed a high school physics course, preferably Exploring Creation With Physics. In addition to a first-year physics course, the student must have also completed a trigonometry course in order to take Advanced Physics in Creation.

Advanced Placement:

When added to that first-year course, this course "fills in the gaps" and gives the student the equivalent of one year of university-level physics. You may have heard this kind of course called an "Advanced Placement" or "AP" course.

Available Formats:

Advanced Physics	ISBN	Price
Text Book Set	1-932012-20-6	\$ 75.00
Text Book Only	1-932012-18-4	\$ 55.00
Test/Solutions Only	1-932012-19-2	\$ 20.00

For more information about course formats please see our [Course Format](#) information page.

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