

Chelsea Tutorials

2020 - 2021

Physics I (11th through 12th grade)

Course Description: Topics covered are as follows.

Nature of Science	Rotational Motion and Angular Momentum
Physical Quantities and Units	Oscillatory Motion and Waves
Kinematics	Physics of Hearing
Two-Dimensional Kinematics	Hearing
Dynamics: Force and Newton's Laws of Motion	Electric Charge and Field
Uniform Circular Motion and Gravitation	Electric Current and Ohms Law
Work, Energy, and Energy Resources	Electric Potential and Field
Linear Momentum and Force	Circuit
Statics and Torque	

Prerequisite: Successful completion of Algebra 1, Geometry and Algebra II.

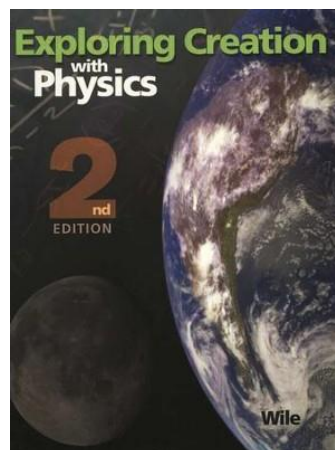
Instructor: Chuck Summers graduated from Georgia Institute of Technology with a bachelor's in Electrical Engineering in 1975 and earned a master's in Electrical Engineering in 1981. In addition to his engineering career, he has taught in several Christian Schools and with home school cooperative programs (algebra 1, algebra 2, geometry, physical science, and Latin). While living in Woodstock, Georgia, he worked at a tutoring facility with precalculus, calculus I and II, and physics students. Mr. Summers also tutors privately algebra, geometry, precalculus, calculus, and physics.

Mr. Summers not only enjoys interacting with students in math and science, he is actively learning new math and hobbies include radio, astronomy, rocks and minerals, electronics and ham radio. He believes that only on the basis of an understanding of the God of the Bible that any knowledge is possible. He enjoys learning about how God's technology: how He has made things function.

Chuck and Becky (a wonderful, understanding woman) have been married 48 years. Together they raised 7 children, have seven grandchildren and one great-granddaughter. They reside in Harpersville.

Contact info: phone: 770-309-1984
email: summers.chuck@gmail.com

Text: Apologia *Exploring Creation with Physics*, 2nd Ed.
ISBN 978-1932012422
(Is is NOT necessary to purchase the Solutions and Tests Book)



Location: Grace Presbyterian Church, PCA (located at 109 Foothills Pkwy, #104, Chelsea, AL 35043)

Day & Time: Monday & Wednesday, 12:15 – 1:45

Grade Level: 11th - 12th grade

Tuition and Fees:

Registration Fee: \$25 nonrefundable payable to Chuck Summers

Tuition: \$300 per semester payable to Chuck Summers

Facility Fee: The annual facility fee for this class is \$30 per student, not to exceed \$180 per family. This fee is payable to Grace Presbyterian Church, PCA, on the first day of class.

Class Minimum: The class will have a minimum of 4 students and a maximum of 8 students. If the minimum number of students is not reached, class may be canceled.