



Tutor: Layla Steensma

Class Name: Physical Science

Grade Levels: Grades 8-12

Class Description: This course provides an introduction to foundational concepts for a successful transition into high school biology, chemistry and physics. Students will get a good understanding of Earth's atmosphere, hydrosphere, and lithosphere. From a Biblical worldview, matter, motion, Newton's Laws, gravity, radiation, electricity, magnetisms, atomic structure, the periodic table, nuclear reactions, energy, waves, sound, light, solar system, stars and galaxies will all be covered. Meaningful lab experiments are included to make principles tangible to students. In addition to the practical labs performed in the hour lab at co-op, students can expect to work 3 hours per week at home. Physical science can be seen as quality first high school science class yet can be taken at any time for a high school science credit.

Prerequisites: Students should have completed Pre-Algebra before taking Physical Science.

Textbook/Author/Publisher:

Textbook: Exploring Creation with Physical Science, 4th Edition (Apologia) Author: Vicki Dincher ISBN:978-1-940110-14-1 Publisher: Apologia Educational Ministries Inc.

Title: Physical Science Student Notebook (4th Edition)By: Vicki Dincher

ISBN-13: 9781940110509

Supplies Required: Physical Science Textbook, Student Notebook, 3 Ring Binder w/ 3 dividers, calculator, colored pencils.

Materials/Lab Fee: \$75/yr

Step Up: NO