



FREEDOMPROJECT  
ACADEMY

## Course Syllabus

### Physical Science

#### Course Description:

This course gives students a solid foundation in the areas of physics and chemistry. Physical science, in a nutshell, is the study of nonliving things. We will briefly study earth science as well as weather. Students will complete several labs and experiments throughout the course and many will be demonstrated in live class. Science is ever changing and new discoveries are being made daily. It is important for students to learn how to think for themselves and use their knowledge as well as their common sense to determine what is truth lining up with what the Bible states.

#### Major Topics of Study:

The Basics: Metric system, Writing formal labs, Graphing

Chemistry: Properties and states of matter, Atomic structure and the Periodic Table, Chemical bonds, Reactions and energy

Physics: Motion, Forces, Energy, Waves and Sound, Light, Electricity and Magnetism

Earth Science: Our Earth, Our Atmosphere and Beyond

#### Text/Required Materials:

*Apologia Exploring Creation with Physical Science 3rd Edition*  
*Exploring Creation with Physical Science Student Notebook 3rd Edition*  
*Physical Science Lab Kit 3rd Edition*

#### Grading:

Assignments – 20%

Labs – 20%

Participation – 20%

Tests - 40%

The lowest three scores will be dropped each semester (excluding any large writing assignments/projects or tests).

#### Attendance/Participation:

During live classes students will go over material read before class; discuss concepts from the module; complete activities/labs in the main classroom and in small groups; and review for upcoming tests.

## Expectations/Guidelines:

1. Assignment Sheets: You must read the Assignment Sheet at the start of every week. All the information that you need is there regarding what is due, how it is to be done, what is expected, etc. Please re-read the Assignment Sheet before you email with a question regarding an assignment. It is the quickest way for you to get the information that you need as the instructor may not be able to respond right away when you email. In almost all circumstances, the information that you seek is on the Assignment Sheet.
2. Class Etiquette: You must be respectful of other people. Everyone must feel free to participate and learn.
3. Submitting Assignments: You **MUST** submit your assignments through Canvas.
4. Participation/Preparation: Please be on time and prepared to participate in discussions and activities.
5. Grades: Assignments are to be complete and turned in on time. Study guide questions are open-book. You are only to use your awesome brain for all tests.
6. Due Dates: All due dates are listed on the Assignment Sheets located in the Announcements section. An extension will be given if an e-mail is received in a timely manner in accordance with the late policy stated in the handbook.