

HSN 9Up Class Description:      **Apologia PHYSICAL SCIENCE**      **2023-24**

\*\*\*This class is open to students in 8<sup>th</sup> grade and up. If taken as a high school class for credit, parents should keep track of hours. Please see the 9Up information page for more information.

Topics covered include the atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity, and astrophysics. Additionally, several of these areas are explored from a perspective of comparing an environmental worldview to a Biblical worldview based on scientific evidence as far as is reasonable.

The student will need to be able to commit to an additional 5 hours per week of study time (appx. one hour per day) at home to learn the materials.

Prerequisites: General Science                      Homework: 5+ hrs/wk

Required Supplies: TEXTBOOK/Solutions Manual - Apologia Exploring Creation with Physical Science 2-Book Set ISBN 978-1-932012-80-4 (appx \$68 set) **The textbook AND solutions manual included in this 2-book set are required for each student. Additionally, the book must be the second edition.**

Class Format:

1. The syllabus will be given and structured for a two-semester class and will cover the entire text. Class time will be devoted to conducting experiments, math methods and discussion of key concepts.
2. The first reading assignment must be completed before the first class.
3. The first module's experiments will be performed at the first class meeting.
4. A weekly plan will be provided with a suggested breakdown of daily homework for each module.
5. Questions in the reading (OYO - On Your Own) will be completed and checked at home.
6. Lab reports will be written for all labs and graded by the teacher; guidelines will be provided.
7. Study Guides and Module Tests will be completed at home and graded by the teacher. Tests and lab reports will be turned in, and grades will be calculated using tests, lab reports and homework completion.
8. Extended assignment schedules will be given during the December/January break between semesters. Students may plan for a two-week break from Science at Christmas.

Cost of course includes supplies but not texts, solutions or test manuals.

Teacher: **Mrs. Kristen Mallonee**                      Cost: \$455/yr                      90 minute class

**TUESDAYS, 1:00 pm – 2:30 pm, at Chesterfield Presbyterian Church**

**9Up Student orientation: Aug. 10, 2023 Time TBA**

**Fall semester: Aug 22, 2023 to Nov 7, 2023**

**Winter semester: Jan. 9, 2024 to April 2, 2024**

**This class is the only 9Up class that has 2 12-week semesters.**

**This class must have a minimum of 6 students in order to be held.**

Mrs. Mallonee homeschools her own sons and teaches science at Homeschool Network for grades 2-8.