

- ALL TIMES EASTERN STANDARD TIME
- CLICK BROWSER BACK ARROW WHEN FINISHED

Exploring Creation with Physical Science

This middle school course is specifically designed to be the second course taken during junior high and to aid students in transitioning into more independent learning in preparation for high school sciences.

In this course, students will study such topics as:

- **Measurement and Units** so that students can convert between units in scientific study
- The **Earth, Atmosphere, Hydrosphere, and Lithosphere** so that students can appreciate the wonder of our blue planet
- **Weather** so that students can understand the factors that affect the Earth's weather and how weather is predicted
- An **Introduction to Physics** to understand the mechanics of motion, forces, and energy
- **Newton's Laws and the Forces in Creation** to understand friction, static and kinetic energy, gravity, electromagnetic forces, and electrical circuits
- **Solar System, Stars, and Galaxies** to introduce the wonders of our universe
- An **Introduction to Chemistry** for a basic introduction to atoms and molecules

This Physical Science course is also very hands-on and provides multiple experiments to perform, several of which will be demonstrated and discussed during various classes throughout the school year. Additionally, students will be introduced to technical writing and guided through the steps of writing a formal scientific lab report using the MLA format, a skill which will benefit them for years to come.

Overall, this course is an excellent preparation for the rigors which await the student in biology, chemistry, and physics.

Prerequisite: 7th grade math.

Required supplies for this class:

- **Advantage Set:** Exploring Creation with Physical Science (text), Solutions and Tests packet, and Spiral Bound Student Notebook
- **Lab Materials:** The experiments use household items - no need to purchase laboratory equipment for this course. Appendix C in your text lists the items you will need to perform the experiments in each module.
- **Other Supplies:** Basic Calculator and set of colored pencils.

NOTE: Apologia offers a **\$40.00 rebate for our Academy families** if you buy the Advantage Set: Exploring Creation with Physical (text) + Solutions and Tests packet + Physical Science Student Notebook.

To take advantage of this offer:

1. Register for the course with Apologia Online Academy
2. Order the Advantage Set through Apologia (<https://www.apologia.com/physical-science/508-homeschool-physical-science-advantage-set.html>) or by calling: 888-524-4724 (**Note: If purchased through another company, refund does not apply**)
3. Email Academy Director, Larry Blythe, with your attached receipt (defendthefaitth.larry+advset@gmail.com)
4. You will receive a \$40 check for each Advantage Set purchased per course for which you have registered.

Instructor:



Becky Edmondson

After graduating from Western Carolina University with a degree in Biology, Pre-Med, Becky married her best friend, Rick in 1991. While he worked in the engineering field, Becky worked as a PT assistant preparing for her Masters in Physical Therapy until the birth of their first child, Caelen, in 1994. This began her career as a stay-at-home mom and homeschool teacher! After graduating from homeschool, Caelen (24) is finishing up her Nursing Degree at Liberty University, Hannah (22) has her degree in Interdisciplinary Studies and is married to Tim, Nathan (20) is pursuing his degree in Biomedical Studies at LU and Ben (16), still home and plugging away at high school, has a passion for Auto Mechanics.

Becky began teaching during her college years when she tutored students in the areas of anatomy & physiology and physics. That experience sparked her desire to become an educator. While homeschooling her four children in the early years, she also enjoyed tutoring high school and college students in algebra and biology.

When her own children were old enough to officially begin their science studies, Becky founded the Danville School of Arts and Sciences, a community-wide homeschool organization. There she began to teach the Apologia sciences. After moving back to Western North Carolina in 2006, she continued to teach Apologia's Biology and Physical Science courses in a local co-op.

Among Becky's favorite things are raising children, spending time with her family (especially outdoors), helping to develop Titus 2 relationships among women in her local church,

cooking, gardening (permaculture being her latest adventure!), being involved in music ministry, and learning about and teaching science!

Her prayer for her students is that they will not only gain a love and excitement for science but will also walk away with a better understanding of God's universe and their place in it.