

# PHYSICAL SCIENCE

2023-2024

Richard Mayer

8th Grade

[richmayer70@gmail.com](mailto:richmayer70@gmail.com)

Science education during the middle school years (6<sup>th</sup>-8<sup>th</sup> grades) is critical. Our children need to know that science supports what the Bible says. I believe that the world and Satan impacts our children by using incorrect science to cast doubts and unbelief in God. General Science (generally 7<sup>th</sup> grade) and Physical Science (generally 8<sup>th</sup> grade) help students to correctly see and appreciate how God has created our universe while dispelling flawed secular scientific beliefs such as evolution. These classes build a science foundation and prepare students for the science classes required in high school. Laboratory is an integral part in both classes. Speaking as a science educator who has taught in the public school for over 32 years, at KAT since 2010, and as a parent who has home schooled my children, I urge you to seriously consider enrolling your son or daughter in these classes or other available middle school science classes that will challenge them and help them grow in their understanding and appreciation of God's creation.

## **Class Description:**

This is a one year two semester course primarily for 8<sup>th</sup> graders (or 9<sup>th</sup> graders who need a stronger science foundation). I hope to cover a module over two weeks. Some topics include: The atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity, forces in creation, and sound waves. The author especially concentrates on the myths generated by the hysterical environmentalist movement. Students should plan to devote around 45 minutes of study each school day for this class. There will be assigned homework each week. Most experiments will be conducted in class and a few assigned for home. A lab book will be prepared each semester. Students will take their tests at home and bring them to the next class session for my grading. Semester and final grades will be determined mostly from tests and lab work. Emails will be sent to parents each week to communicate homework and any additional items of importance. *I depend on parents to monitor tests that students take at home and check to see if homework is being completed each week.*

## **Supplies Needed:**

The text is **Exploring Creation with Physical Science 2<sup>nd</sup> Edition** (Published by Apologia Educational Ministries) by Dr. Jay Wile. **The Solutions and Tests For Exploring Creation with Physical Science 2<sup>nd</sup> Edition** is the accompanying manual with the text. This is the older edition. Check home-school book sales or online. There is a perforated test booklet for the 16 modules included in the Solutions book. The text is designed for the home-schooled student and is written from a Christian perspective. Please obtain these materials as soon as possible. Experiments conducted at home use common household items. I will provide any experiment supplies and copy materials used in class. Students are expected to keep a 3-ringed binder for class notes, a spiral notebook for homework, and a spiral notebook for laboratory work. A calculator will be helpful for the mathematical concepts covered in the modules.

**The Solutions and Test manual contains all the tests and answers and solutions to the study guide for each module. Any time a student uses this manual to get help for module questions there is a risk of seeing tests and test answers. I depend on parents to monitor any student use of the manual, tests that students take at home, and to check weekly that homework is completed before students return to class. Parents who cannot do this should not enroll their son/daughter in this class.**

## **Tuition:**

\$360 for the year. Payments of \$180 are made on the first day of each semester. Included in these costs are note packets for each student, handouts provided throughout the year, rent for the classroom, and all laboratory supplies I use for the class. Tentatively there is no class February 5

## **Drop Policy:**

A student dropping within the first two weeks receives the full refund minus \$50. After two weeks, the refund is 50% of the remaining classes.

## **Tutor:**

I am a Christian and the most important relationship in my life is with Jesus Christ the Son of God. I am blessed to be married to my wife, Deb, and have four children. We have home schooled three of our four children. We attend Agape Christian Church. I also participate at Bible Study Fellowship. I have experience teaching in grades K-12, most of it being at the high school level (I retired from Portage Northern High School after 32 years of teaching in the public schools) and at KAT since 2010. I received my Bachelor of Science and master's in teaching of science from WMU. My major is Earth Science and minors are Math, Biology, Chemistry, and Elementary Education.