**Physical Science**

**2019-2020**

Grade Level: 7th-8th Teacher: Mrs. Kelly Orr

Day/Time of Class: Tuesday, 11:00-12:00 orrtutor@gmail.com

Class Period: 1 hour Cost: $250/Year

Schedule: ***34-week Semester Schedule*** Supply Fee: $10/Year

Required Materials:

* ***Exploring Creation with Physical Science: 2nd Edition*** by Dr. Jay Wile

(Apologia Educational Ministries, Inc.- ISBN 978-1-932012-77-4)

* ***Exploring Creation with Physical Science Solutions & Tests***
* Notebook with paper, pencils

**Class Objectives:**

* To develop a deep appreciation for all that God has given us in Creation and to see how science can help us understand it.
* To develop study skills, lab skills, and report writing skills in preparation for high school level work.
* We will study areas including atoms and molecules, properties of air, fire and water, atmosphere and weather, effects of gravity, magnetism, light and sound waves, and even some about outer space!

**Class Design:**

* 34 one-hour classes will be offered. Class will be split into 4 quarters with small breaks in between -we will follow the WB High School Schedule.
* Each class will consist of a possible quiz over assigned reading, and about 45 minutes of laboratory work.
* Quarterly exams will be administered in class.

**Class Description:**

* This text is intended to be used in an 8th grade class mainly due to the math involved. Please take that into consideration as you sign up your 7th grade students.
* This class is intended to cover the whole text in a school year.
* We will complete the majority of labs in class. Occasionally we will set up the experiments in class and then send them home for follow up because they will require longer than our class period for the desired results to develop. If this is needed, I intend to have a completed example to show students in class as well.
* The labs will be documented in a lab report that I will grade on a 10 point scale. I will provide a report format and expectations. They will take down data and observations, including sketches, in class, if time permits. Labs need to be completed before the next week so they can be turned in to be graded.
* Legible handwriting or typewritten

**Parent Responsibilities:**

* Provide help and give guidance to your student on how to divide up the week’s assignments.
* Make sure your student completes the “On Your Own” problems as they come to them each week in the text.
* ***Proctor and grade all Module tests at home.***

**Homework:**

* A schedule for completing the reading and module study guides and taking the tests will be provided each term.
* The material in the book is designed to be a 30-32 week course with approximately 2 weeks spent on each module.

**Grades:**

* *I will grade quizzes, lab reports and quarterly tests and return them to the students.* Recommended grading percentages: (WB grade scale)

Weekly quizzes (25%)

Lab Reports (50%)

Quarterly tests (25%)