



PIONEERS Co-Op

P.O. Box 6425, Jackson MI 49201

Voicemail: (517) 888-4328 Email: OfficeAdmin@pioneershess.org

Website://pioneershess.org

Overview of Exploring Creation with Chemistry, Physics, and Astronomy Apologia *Young Explorer Series* (Grades 6/7)

Tutor: Mrs. April Butterfield
517-612-9632
a.gillett@yahoo.com

Textbooks:

- ***Exploring Creation with Chemistry and Physics*** by Jeannie Fulbright; (ISBN-13: 9781935495987)
- ***Exploring Creation with Astronomy (SECOND Edition)*** by Jeannie Fulbright; (ISBN: 978-1940110585)

Lab Fee: \$10.00/semester

Course Description: In this class, 6th/7th grade students will discover the foundational elements of the universe and the building blocks of creation. Using Charlotte Mason's methodology, Apologia's *Young Explorers Series* combines their conversationally-written instruction, hands on activities, and interactive note-booking with an inquisitiveness into God's Creation to turn your young learner into a young explorer. From the tiniest microbe to greatest galaxy, all of creation declares His glory (Psalm 19:1). As students explore God's creation through Chemistry and Physics, they will study how the universe functions through this exploration of matter and energy. Lessons cover atoms and molecules, pH levels, types of mixtures, mechanics, laws of motion, dynamics of motion, energy, waves, light, machines, magnets, and more. Content covered in the Astronomy textbook includes the major structures of our solar system, details about each planet, the Earth's moon, the asteroid belt, stars and galaxies outside our solar system, space travel, astronauts, and more!

First Semester	% of semester grade	Second Semester	% of semester grade
Class Participation/ Organization	10%	Class Participation/ Organization	10%
Homework	20%	Homework	20%
Labs	20%	Labs	20%
Tests/Quizzes	30%	Year End Project	10%
Exams	20%	Tests/Quizzes	20%
		Exams	20%

Grading Scale

90-100%	=A
80-89%	=B
70-79%	=C
60-69%	=D
Less than 60%	=E

1/22/24 rlj

**Pioneers Co-op is a cell group of the PIONEERS Home Education Support Services, a 501C-3 non-profit educational ministry*



PIONEERS Co-Op

P.O. Box 6425, Jackson MI 49201

Voicemail: (517) 888-4328 Email: OfficeAdmin@pioneershess.org

Website://pioneershess.org

Class Participation is Based Upon:

1. **Attendance** — be on time!
2. **Preparedness** — Come to class with all your supplies (see list) and make sure you read the assignment
3. **Active participation** in class discussions and labs

Homework: (should require about 3/4 to 1 hour of work per day)

1. One common assignment is the **On your own** problems. These are throughout your assigned reading and should be answered as you go along. Grade them at home for immediate feedback. DO NOT look at the answers until you try them on your own! I will collect these for accountability and to check for understanding.
2. Another common assignment is the **end-of-the module study guides**. I will grade these, but parents correct them.
3. **Lab reports** as a written record of the labs we do in class.
4. Homework and reading will be assigned four days a week, even on the week of the month when we do not meet. Please be diligent with this, we have a lot of material to cover!

Quizzes and Tests:

1. Quizzes may be given at the beginning of a class period. They will cover vocabulary and the current area of study and reading.
2. Most module tests will be taken at home under a parent's supervision.
3. The quarterly exam is a teacher prepared test given **in class** over material from the previous quarter.

Supplies — Bring to each Class Session:

1. Pencil and/or pen
2. Lined paper for notes and quizzes
3. 3-ring notebook (not bigger than 1 1/2 inches) with five dividers
4. Ruler (both standard U.S. and metric)
5. Calculator