

Syllabus: Physical Science – 33 Weeks

Teacher: Mark Campbell

Text:

Text for the course is *EXPLORING CREATION WITH PHYSICAL SCIENCE* published by Apologia, 2nd edition (ISBN 9781932012774) plus articles and excerpts from other sources as may be assigned by the teacher.

<u>Week</u>	<u>Unit</u>	<u>Topic</u>
1-2	1	Introduction, Measurement & Units, Atoms & Molecules, Labs & Reports
3-6	2-3	Air & Atmosphere/Labs
7	4	Water
8-9		Review & Test 1
10	5	Hydrosphere
11-12	6	Lithosphere/Lab
13-14	7-8	Weather/Lab
15-16		Review & Test 2
17-20	9-10	Motion & Newton's Laws/Labs
21-23	11-12	Forces 1 & 2/Lab
24-25		Review & Test 3
26-27	13	Forces 3
28-29	N/A	Solar System/Lab
30	TBD	Topic to be selected
31-32		Review & Test 4
33		Last Class

This 33 week course will meet for 1 hour/week.

Certain labs will be incorporated into class time or an entire class may be devoted to lab work. There will typically be weekly homework which may include chapter questions and/or a lab report. Labs occur about every 2–3 weeks. Four tests are anticipated. The teacher may change the schedule and revise, add, or eliminate topics based on the needs of the class.

Required Tools & Supplies

Calculator with square root and basic trig functions (sine, cosine, tangent)

Ruled transparent straightedge, about 12" long (English + Metric is best)

Notebook & lab notebook for the class (tear-out spiral bound for labs is NOT OK)

Mechanical Pencil (recommend 0.7mm or 0.5 mm)

Optional: Drawing Triangle (30-60-90 or 45-45-90, about 6" long)