

# 7<sup>th</sup> Grade General Science Syllabus

Fall 2018

## Teacher Information:

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## Goals:

1. To glorify God in His amazing creation!
2. To enrich the General Science textbook with hands-on science experiments that can be completed in one class period.
3. To teach students to organize information, setting the stage for success in future science courses.
4. To encourage preparation, participation and leadership.

## Reading / OYO / Study Guides:

Students will be expected to read the textbook and do the On Your Own (OYO) questions and Study Guides for most modules. I will provide a guideline (General Science Calendar) for scheduling the reading and will check in class to see that OYO questions and study guides are complete. No grades given. Tests are optional and given by the parents.

## Science Project:

Each students will complete a Science Fair Project outside of class. First semester, the project is to design and carry out a science experiment of their own chosen topic, create a presentation and present to the class on 11/16. A Science Project Planning Packet will be provided to guide students through the process as well as class time set aside (August 31st, October 5th & November 2rd) for introduction/questions/feedback/accountability.

## Required Materials:

*Apologia* Exploring Creation with General Science. 1<sup>st</sup> or 2<sup>nd</sup> Edition (2<sup>nd</sup> preferred)

Spiral Notebook

12 Copies of Lab Report Template (provided in a PDF to parents)

Pencil brought to co-op

# 7<sup>th</sup> Grade General Science Co-op Schedule

Fall 2018

<u>Module:</u>	<u>Date:</u>	<u>Experiments:</u>	<u>Discussion:</u>
Module 1	8/31	Spatical Observation STEM Challenge	Semester Overview Lab Reports
Module 2	9/7	2.1,2.2, 2.3 Lab coaches	Scientific Method
Module 3	9/21	3.1, 3.3, 3.4 Lab coaches	Experiment variables
Module 4	10/5	Science Project Simple Machines	Science Project Research Examples brought/Try out some
Module 4	10/12	Simple Machines	Building a Simple Machine
Module 6	10/19	6.2, Sedimentation/jar Erosion on landforms	Weathering
Module 6	11/2	Science Project Finish any Module #6 experiments	Science Project Discussion & help
Module 7	11/9	Fossil Casts, Look at Fossils Outside rock hunt	Fossils casts, Fossils from Museum
Module 8	11/16	<b>Presentations - Student's Science Fair Project</b> Venn Diagram - Catastrophism v. Uniformitarianism Homework for 12/3 sent home - Research Computer Science jobs	
No Module	12/3	Computer Science - National Computer Science Week Hour of Code - Computer Science Speaker	