

Senior Homeschool Programs Winter/Spring 2025: monthly, Wednesdays @ 1pm to 2pm

Date	Grades 5 to 6	Grades 7 and up
Jan. 15	Egg Drop Lab: Experiment with different methods of protecting your delicate RAW egg. Design and build a protective container, then test it with the drop of doom!	The Origins of the Universe: Discover what we know about the universe. Discuss and do activities to test the Big Bang Theory to see how well it explains the data we have.
Feb. 12	Classifying Living Things: Using a Valentine's Theme, students will learn about, how to use, and will build Dichotomous Keys (that are used to sort and identify living things).	Acceleration Lab: Use carts and ticker tape to create data to work with velocity and acceleration.
Mar. 12	Build a Moving Vehicle: Using provided materials, students will design and build their own vehicle, and add a mechanism to make it move on its own.	Chemistry Show: An interactive show with amazing chemistry tricks and demonstrations. Students will assist and amaze each other with these chemical interactions.
Apr. 9	Weather and Thermal Energy: Conduction, convection and radiation are introduced and tested. Heat, how it works, and its effects on life.	Build a Moving Vehicle: Using provided materials, students will design and build their own vehicle, and add a mechanism to make it move on its own.
May, 14	An Introduction to Simple Machines: with an exploration of Levers. Discover the basic machines used by people to do work and experiment with different types of levers.	Water Quality Lab: What is turbidity and dissolved oxygen content? Test water samples for both and discover the effects of different values on the animal world.
Jun. 3	Outdoor Rocket Science: Join all the Homeschool Students for this one day of offsite Rocket fun! At McGowan Park in Upper Sahali to explore rockets!!! High flyers, Stomp Rockets, Water Rockets and more.	Outdoor Rocket Science: Join all the Homeschool Students for this one day of offsite Rocket fun! At McGowan Park in Upper Sahali to explore rockets!!! High flyers, Stomp Rockets, Water Rockets and more.