



# Homeschool Adventures - Spring 2017

This semester, choose the topics that interest your learners and plan your sessions around a variety of science areas. Each session includes hands-on science and a take-home extension. Choose a five or seven class punch card out of our eight sessions and come for those classes. Need to add a session? Just email the Education Office at [camps@greensboroscience.org](mailto:camps@greensboroscience.org). The class schedule is also given out in class. Each class is geared to the appropriate age level. Registration is required at [www.greensboroscience.org](http://www.greensboroscience.org).

**Ages 5-7: Wednesdays | Ages 8-11: Thursdays | 9:00-11:00 a.m.**

## **1. Amazing Animals**

**March 1 and 2**

All animals have adaptations that help them survive in the natural world. We'll study a variety of animals and their adaptations from foraging to locomotion to defense. We'll meet a few animals that have amazing adaptations and make a treat for the lemurs. Dress for weather as we will be outside.

## **2. Sports Science**

**March 8 and 9**

Calling all sports fanatics! Have you ever wondered how a baseball pitcher throws a curve ball, why figure skaters have narrow, metal blades, why skiers apply wax to their skis, how gears on a bicycle work or what makes a Frisbee fly? Wear your sneakers as we uncover the science behind these sports.

## **3. Reptiles and Amphibians**

**March 15 and 16**

What animal is covered in slime and can breathe through its skin? What animal can drop its tail if threatened? We'll answer these questions and more as we discover the world of reptiles and amphibians.

## **4. Spy Science 101**

**March 22 and 23**

What does it take to be a spy? We'll learn how science has helped spies gather information, think creatively, send coded messages, crack codes and go under cover. Then devise a disguise and create your own secret code as we solve a crime.

## **5. Mother Earth**

**March 29 and 30**

Many Native peoples have a close connection to our natural world. We'll use activities written by Native Americans to explore the natural world and learn how we can help take care of our home, Mother Earth.

## **6. Chemistry 101**

**April 5 and 6**

Join us as we explore chemistry through experiments using common household items. We'll discuss density, states of matter, atoms, the periodic table, and more. Science can be messy at times, so be sure to wear old clothes!

## **7. Movie Science**

**April 19 and 20**

Lights, camera, action! Explore the science behind moving pictures from how they are made to make-up, special effects and more with the help of chemistry and physics.

## **8. Farmyard Bash**

**April 26 and 27**

You won't have to wake up at dawn for this class, but you will be trying out your farmhand skills. Make butter, feed the goats and sheep and meet our new barn owls and the other Friendly Farm residents.