



SPACE SCIENCE

Wednesdays, September 13-December 13 (no class Oct 11, Nov 22; 12 weeks)

12:30pm-1:45pm

Ages 6-10

Kids explore the outer reaches of the universe and analyze our planet as we investigate processes that affect the Earth, explore the celestial bodies in our solar system, and learn how we study and explore space. All lab costs are included in registration fee.

LAB SCHEDULE:

TERRESTRIAL PLANETS - Wednesday, September 13

Kids adventure into astronomy as we review the special characteristics of each terrestrial planet in our solar system as we create a scale-model to determine how far away the planets are from the sun.

GAS AND ICE GIANTS - Wednesday, September 20

Students review the special characteristics of the gas and ice giants as we create a scale-model to understand the size differences of the sun and each planet.

EARTH - Wednesday, September 27

We create a model of the Earth to learn about its layers, why volcanoes form and how the surface of our planet changes over time.

ATMOSPHERE - Wednesday, October 4

This week we continue our focus on Earth as we create a model of our atmosphere, learn what happens in each layer, and explore how our atmosphere is different than other planets.

MAGNETIC FIELDS - Wednesday, October 18

Students study the three magnetic elements of the periodic table, and experiment with ceramic magnets and a compass to learn how (any why) the Earth is a magnet.

EXPEDITION OUTER SPACE - Wednesday, October 25

Students study the forces of flight as we make models of different types of vehicles used in space travel and exploration.



MOONS - Wednesday, November 1

Students explore our moon and its phases as well as conduct an experiment investigating how craters are formed on its surface.

ASTEROIDS, METEORS AND COMETS - Wednesday, November 8

We learn the differences among asteroids, meteors and comets, explore the asteroid belt in our solar system, and create a model of a comet.

STARS AND CONSTELLATIONS - Wednesday, November 15

This week, we focus on stars, how far apart they are from each other, why we can identify different constellations and how they can be used for navigating at night.

THE SUN - Wednesday, November 29

Kids study the science of light as they learn how light is formed on our closest star, investigate the electromagnetic spectrum and conduct experiments to test for UV light.

CUBESATS - Wednesday, December 6

Students design and build CubeSat prototypes based on scientific research experiments and learn how they are used to allow citizen scientists to explore space.

EXPLORING MARS - Wednesday, December 13

Inspired by the Perseverance landing on Mars, kids investigate gravity, force and motion as they are challenged to design and build their own Mars rover that can withstand a tricky landing.

Location: Discover Science Center – Peachtree City

Full semester - \$264 OR \$24/lab

10% sibling discount