OCTOBER
1, 8, 15, and 22
THURSDAYS
3:30pm - 5:00pm
$200 for 4 sessions

What Makes a Scientist?
Learn to think like a scientist by using the rules and tools of observation, verification, and measurement! Gain hands-on experience using all of the basic laboratory equipment available to professional scientists while learning how they work, what they’re used for, and how to design and record an experiment of your own. Train your brain to tackle problems using the scientific method all while learning the mathematical language of units, equations, data analysis – and meet the scientists before us who made it all happen! By the time this series is over, you’ll be trained to navigate a lab like a pro.

*Standard laboratory garments and notebooks are provided. BYO curiosity and skepticism!

NOVEMBER
5, 12, 19 & 3 and 10
THURSDAYS
3:30pm - 5:00pm
$250 for 5 sessions

Life: The Ultimate Mad Science
From the smallest DNA molecule to the largest blue whale and beyond, come learn about the amazing natural processes that drive us all! Learn how a professional and pocket-sized microscope is used to examine life at the cellular-level, and then practice growing and observing your own bacterial colony using a real Petri dish. Then, use your knowledge of genetics, adaptation, and physiology to dissect different types of plant species and compare them to ancient plants found in actual fossil samples. Our study of life will conclude with an experiment that predicts some possible requirements for life in space by observing four Earthling animals and what they need to survive, and we will compare our findings to those published by NASA just this year! So if you like zooming in on the very small, being ruler over your own bacterial colony, and studying the complex interactions between plants, animals, and their ancient interactions, then this month’s topic is right for you!
LEGO ROBOTICS ENRICHMENT

Our program is run by Dave House and assisted by his daughter Amanda. Dave is a veteran of the U.S. Navy nuclear submarine program with over 30 years of experience in engineering and computer technology. As a former teacher and Scout Master he has learned that the best way to teach children is to make the endeavor fun! Amanda is a Registered Nurse in neonatal nursing who is trying to merge her love of children with her love of LEGO®.

FIRST® LEGO® League
Ages 9-14
$560 for 8 sessions ($70/session)

Learn robotics and programming basics using LEGO EV3 Mindstorms elements, hardware, and software in preparation for the 2015 FIRST® LEGO® League TRASH TREK (SM) Challenge.

Junior FIRST® LEGO® League
Ages 6-9
$360 for 6 sessions ($60/session)

Learn robotics and programming basics using LEGO WeDo elements, hardware, and software in preparation for the Junior FIRST® LEGO® League 2015-2016 WASTE WISE (SM) Challenge.

Junior FIRST® LEGO® League teams are about to learn that throwing something in the trash is only the beginning. In the 2015-2016 WASTE WISE (SM) Challenge, over 34,500 children ages 6 to 9 from 18 countries will look at trash in a whole new way. From reducing, to reusing, to recycling, and beyond, find out what making trash really means. Prepare to become Waste Wise!

EIGHT TUESDAYS 3:30pm - 5:00pm
SEPTEMBER 22, 29
OCTOBER 6, 13, 20, 27
NOVEMBER 3, 10

SIX WEDNESDAYS 3:30pm - 5:00pm
SEPTEMBER 23, 30
OCTOBER 7, 14, 21, 28