



OF WESTERN NEW ENGLAND

AWESOME ACTIVITY WEEKS SUMMER 2019

For more information, locations, and schedules go to:
register.madscience.org/westnewengland



Eureka! Invention

Entering grades 1-5

An exciting program where children explore famous inventors such as Leonardo da Vinci, Thomas Edison, Archimedes, Ben Franklin and even Rube Goldberg, along with the contributions each made to science, engineering and society. Guided by our Mad Scientist, children use their knowledge and creativity to overcome a series of challenges using basic materials, simple machines, tips from famous inventors and the most important of all – their minds! While Thomas Edison said “invention is 10% inspiration and 90% perspiration,” this program is 100% FUN!

Crazy Chemworks

Entering grades 1-5

Shake up a flask of fun in the lab as a junior chemist! This week of fun is packed solid with explorations of cool chemical and physical reactions, laboratory equipment, acids and bases, florescence, states of matter, atoms and molecules and much more! Children take home a complete set of labware by the end of the week to continue the chemistry fun at home.



Gross-O-Rama

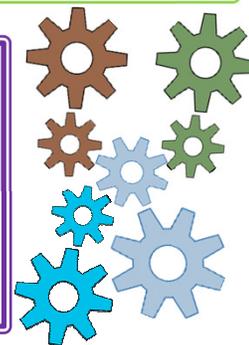
Entering grades 1-5

Get ready for the science of grossness and ickiness! Discover the yucky science of bodies, chemistry, polymers, germs and nature. *Grossologists* learn how to extract DNA from various products, how germs spread, find out what an owl eats through the dissection of owl pellets. We will also follow the human digestive process through GROSS hands on play, experiment with ooey, gooey polymers and more! Eew...THAT'S GROSS!

Robot BASICS

Entering grades 1-3

Children will learn the basics of robotics in this program from Mad Science. Children will *construct their own age appropriate solar powered robot* throughout the week. They will gain a basic knowledge of the science of wheels, simple machines and gears. They will experience different types of robotic devices throughout the program, including line-tracking and sound responsive robots. Robots go home with campers on the last day of the program. All supplies included. Children should be reading at a 1st grade level to participate in this program.



ADVANCED ROBOTS

Entering grades 4-6

Delve into the fascinating world of robotics and machines in this week-long program. Children will *construct their own age appropriate solar powered robot* while gaining a deeper knowledge of the science of circuits, wheels, gears, and sensors. They will experience different types of robotic devices throughout the program, including multiple programmable robots. Robots go home with campers on the last day of the program. All supplies included.



Give your child the best

BIRTHDAY PARTY EVER!

Call MAD SCIENCE: (413) 584-7243 or (800) 338-5711



Sparkling Imaginative Learning

☎ 413-584-7243 or 1-800-338-5711 🌐 westnewengland.madscience.org ✉ summerprograms@madsciencewne.com

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OF WESTERN NEW ENGLAND

For all students entering grades 1 and up programs, children must have completed a year of Kindergarten and be at least 5 years old.



Secret Agent Lab

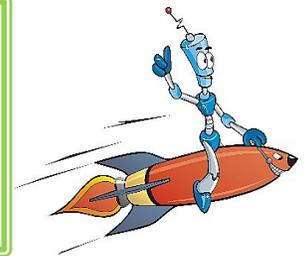
Entering grades 1-5

Children will develop secret agent and detective skills in this super hands-on week of fun! Uncover the science involved in evidence gathering and analysis evidence – from fingerprints to tracks to trash! Discover how chemistry and the science of forensics can come to the aid of a secret agent or detective. Secret agents-in-training will use science and awesome technological tools to connect the dots and help sniff out the suspects. Children should be reading at a 1st grade level to participate in this program.

Rockin' Rockets

Entering grades 1-5

Children will step into the shoes of a rocket scientist and learn the fundamentals of flight, propulsion and rocket design. We will have fun exploring astronomy and trying out various flight designs from hot air balloons to hovercrafts and many more! These rocketeers will build rockets as well as discover the fundamental concepts involved in launching and recovering many different types of rockets. Students will make and take home two rockets during the week.



SPACE & BEYOND!

Entering grades 1-5

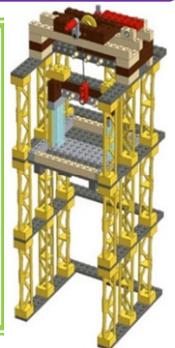
Experience our program co-designed by NASA and Mad Science! From our Earth's atmosphere to the outer reaches of our solar system, this hands-on program sends children on a quest for exploration! Comets, planets, stars and more are all waiting to be discovered. Explore the farthest reaches of our solar system and create a lunar eclipse in this "mad" planetary tour! Learn about the four forces of flight and the challenges of space travel, build your very own rocket to take home and participate in an awesome rocket launch!

BRIXOLOGY: Engineering with LEGO®

Entering grades 1-5

Mad Science engineering program with LEGO® Bricks

Brixology sets the foundation for our next generation of makers! Children learn about different types of engineering and then team up to construct a different engineering-themed project using LEGO® bricks. They will build a space station, vehicles, carnival rides, drawing machines, mechanical animals and more. Your future engineer will build upon their creativity to solve real-world design challenges, while developing their problem-solving and team-building skills.



Junior Scientist

Ages 4-6 (Pre-K & Kindergarten)

Preschoolers discover science as they become a Junior Mad Scientists! This camp is a great introduction to science as preschoolers explore the human body and our senses, the science of colors and the way things move. Children become paleontologists by searching for fossils in a mini dinosaur dig. They also take an exciting mission with Mad Science to explore the planets, moons and stars. Junior Scientists continue the science at home with take-home projects related to each subject.