



AWESOME ACTIVITY WEEKS SUMMER 2018

OF WESTERN NEW ENGLAND

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

E² - Engineering Explorers

Entering grades 1-5

Whether your child loves to build things or destroy them, this week of camp includes lots of both! The junior Mad Science engineers will design and build bridges and "skyscrapers" using simple tools and their imaginations. Kids will even construct a geodesic dome big enough for all the campers to sit inside! Then the machine madness starts as they discover how many different machines, simple & complex, we use in our daily lives. Campers will have fun designing simple machines using pulleys, wedges, screws and levers. Then we move on to engineering in action – your kids work together to brainstorm, design, test, evaluate and redesign problem-solving contraptions!



Gross-O-Rama - NEW FOR 2018

Entering grades 1-5

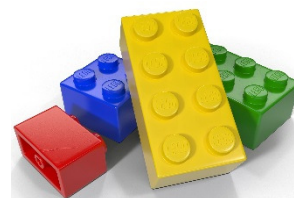
Get ready for the science of grossness and ickiness! Discover the yucky science of bodies, chemistry, polymers, germs and nature. Discover how to extract DNA from various products, discover how germs spread, find out what an owl eats through the dissection of owl pellets, follow the human digestive process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

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! Kids learn about different types of engineering and then team up to construct a different engineering-themed project using LEGO™ bricks. They learn about aerospace engineering while assembling a space station. They explore mechanical engineering as they build boats and vehicles. That's not all, from carnival rides to drawing machines, mechanical animals to truss bridges, your future engineer will build upon their creativity to solve real-world design challenges, while developing their problem-solving and team-building skills. Let the tinkering begin!



Crazy Chemistry

Entering grades 1-5

We'll learn about the tools scientists use in their laboratories – atoms, molecules, and reactions; acids and bases; and fluorescence and phosphorescence. We'll also examine and investigate super sticky things by exploring suction, hydrogen bonding, and static cling and see some very cool dry ice demonstrations! The best part is that each day we'll be able to continue the science fun at home with our very own labware take-homes!

Sparkling Imaginative Learning



Give your child the best

BIRTHDAY PARTY EVER!



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

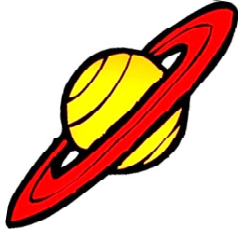
☎ 413-584-7243 or 1-800-338-5711 🌐 westnewengland.madscience.org ✉ summerprograms@madsciencewne.com

📱 Follow us on Facebook & Twitter @MadScienceWNE

SECRET AGENT LAB

Entering grades 1-5

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



SPACE & BEYOND!

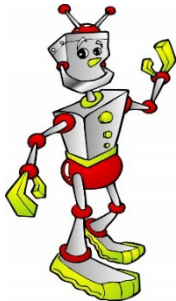
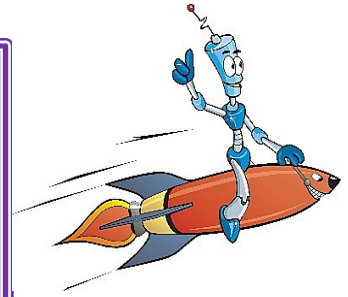
Entering grades 1-5

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 for children sends them 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!

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'll have fun exploring astronomy and trying out various flight designs from hot air balloons to hovercrafts (and many more!). "Launch Day" will bring some real excitement to your budding astronaut! Kids 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 their own complete Mad Science rocket.



ADVANCED ROBOTS – Changed for 2018

Entering grades 4-6

Delve into the fascinating world of robotics and machines in this week-long program. Children will *construct their own 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. **NEW ROBOT BUILD IN 2018.** All supplies included.

ROBOT BASICS – New for 2018

Entering grades 1-3

Children will learn the basics of robotics in this new 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.



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



Week-long Preschool-entering Kindergarten program information available by request