



EUREKA Invention



Winter 2024



Mad Science presents EUREKA! Invention - an exciting hands-on after-school program. Kids explore famous inventors such as Leonardo da Vinci, Thomas Edison, Archimedes, Ben Franklin and even Rube Goldberg, along with the contributions they made to science, engineering and society. Guided by our Mad Scientists, KIDS 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! Each child will also bring home a cool science take-away every week! While Thomas Edison said “invention is 10% inspiration and 90% perspiration” this program is 100% FUN!

Do Like da Vinci

Inventing means curiosity! Children learn about da Vinci's many discoveries and try his experiments, from writing notes backwards, building devices and measuring human proportions.

Bridge-O-Rama

Inventing often involves trial and error: kids will build a bridge of their own design using everyday materials, then test its ability to span a divide. They will also build an arch bridge without using glue and nails.

Forts and Catapults

Inventing means discovery! Children learn the difference between a catapult and a trebuchet. They learn how to adjust for distance and accuracy, and they have the chance to launch projectiles with catapults.

Sub Space Transportation

Jules Verne imagined what it would be like to travel in space and the underwater world. Students will experience how humans been very creative in designing transportation and living environments for both space and underwater

Into the Future

Inventing means reaching for the stars! Kids race in a robotic relay and build their own sci-fi inspired light sticks that they can take home, along with their dreams of the future!

Survivor

How would you survive on a deserted island? In this class, we explore and discover solutions to challenges like finding and transporting water and food.

Smooth Sailing

How do you get off that deserted island?! Students will learn about the importance of ocean currents and then they will design, build and test their own sailboats.

Crazy Contraptions

Rube Goldberg became famous for his drawings of complex machines that perform very simple tasks. Children will learn about simple machines and devices to transfer energy, then design, build, and test their own wacky Rube Goldberg machines using every-day materials

Mad Science at Broad Brook Sponsored by East Windsor Parks & Recreation

8 Weeks
Mondays

Dates: February 26 - April 22

No class on 4/15

Times: 3:45-4:45

Grades: K-4

Cost: \$149.00

Register: www.EastWindsorRec.com

A science related take home activity accompanies every class. Not all topics may be covered depending on length of program. Classes may not be presented in this order.

Mad Science of Western New England

Phone: 413-584-7243 or 1-800-338-5711

Email: afterschool@madsciencewne.com

facebook: MadScienceWNE

Twitter: MadScienceofWNE

westnewengland.madscience.org

AFTER-SCHOOL PROGRAMS

BIRTHDAY PARTIES

SUMMER PROGRAMS

SPECIAL EVENTS

WORKSHOPS