



SUPER POWERED SUB-ATOMIC SCIENCE!



Radical Robotics!

Children become wrapped up in the world of robotics! Volunteers act out a robot, remote control device and an automaton. Children control an automaton through sound and make a soccer robot score a goal! They build their own **Robot Hand**—a human-like end effector.



Super Power Sources

How do we make electricity? Children explore renewable and non-renewable resources for power generation. They use mechanical force to turn on fans, and find out what makes a battery work. The **Crank'n Shine** gives children a chance to generate light!



Life In The Sea

The ocean holds many mysteries. Children learn about its diverse life forms—from plankton to whales! They discover underwater habitats, and learn how humans can help protect ocean life. The **Anaglyph Sea Puzzle** lets children dive in and take the ocean home.



Energy Burst!

Children explore the energy of motion. They pop, jump and flip with hopping, swimming and swinging toys. They check out the kinetic energy in rubber, band-wound gadgets and reach their potential with the **Catapult Take-Home**.



Get Connected

Let's talk about telecommunications! Children chat over cables, link to a network and work with radio signals. Children wind through a cell tower relay and track cell phone users. They bring home the **Wired World**, an optical fiber telecommunications model.



Mix It Up

It's time to shake up solutions and explore mixture chemistry. Children sort out mixtures, clear color from a watery solution and see how useful a suspension can be. The **Super Sorter** gives children the tools to sort mixtures at home.



Moving Motion

Children catapult into Newton's three laws of motion! They yank a cloth from under dishes, send crash test dummies flying and launch mini-rockets across the room. They see action-reaction forces at work with the twirling **Newton Spinner Take-Home**.



All About Animals

What is an animal? Children explore the animal kingdom and learn about the habitats, adaptations and life cycles of their favorite creatures. They experiment with animal calls and camouflage, and create their own **Animal Tracks** to take home.



Dear Parents,

Mad Science has made arrangements with Ridge Elementary School through the Ridgewood Community School to provide **ALL NEW classes for our Super Powered Sources** after-school science program at Ridge Elementary, starting **February 2017**. In the Mad Science club, students are introduced to science using a hands-on inquiry-based approach in a fun and entertaining way. The cost is \$100 per child for 5 sessions which includes all materials and an awesome take-home item *EVERY* week! The program will be offered in two parts, each 5 week sessions. Please see reverse side for a detailed program summary and registration.

The club will meet one hour weekly, for 5 weeks. (Please note that each 5 week session will offer different classes). Class size will range from a minimum of thirteen to a maximum of twenty children. Enrollment is open to grades K - 5 and is offered strictly on a first-come, first-serve basis. ***Please look at the days and dates carefully, as there are no makeup classes for individual absences. Makeup classes will only be scheduled for cancelled classes.***

Enrollment is open to grades K –5 and is on a first-come, first-served basis.
Sessions fill up quickly so be sure to REGISTER YOUR CHILD ONLINE AS SOON AS POSSIBLE!!

Please note that you are to pick up your child **from** the designated door at the end of each session – children will not be released without parent/guardian.

Classes will meet on Thursdays from 3:00pm – 4:15pm

Class Dates:

Session 1: 2/2, 2/9, 2/16, 3/2, and 3/9 barring no cancellations.

No class on: 2/23

****Please note that the classes in this session will be completely different from the classes in Session 2.****

Session 2: 4/27, 5/4, 5/11, 5/18, and 5/8 barring no cancellations.

Registration will be handled directly by Mad Science of Northeast NJ's **ONLINE WEBSITE** on a first-come, first-serve basis. Please log on to northeastnj.madscience.org to register for the After School Program.

Registration Deadline: 1/31