

Fall 2014



FUNTAStIC PHySICS!

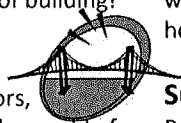
See Reverse Side for Registration Information

Super Structures

Learn how triangles, cylinders and arches make for sturdy homes and skyscrapers! Use teamwork to build your own super structures as well as an earthquake-proof building!

"Current" Events

Take a tour on the electron freeway! Conductors, insulators, transistors, and other elements in the world of electrical circuits introduce themselves to you via the tingle in your fingertips and the twinkle in your eye.



Energy Burst!

Explore the energy of motion and how energy can be conserved. Discover how some of the most beloved toys demonstrate the basic principles in mechanical energy.

Stunt Planes & Gliders

The Wright Brothers would be proud as we follow in their footsteps and learn the fundamental principles of flight. Build a "football" glider, control surfaces, and a loop-flying stunt plane.



Moving Motion

From planes and trains to automobiles. Check out all the science behind movement, from the inner workings of engines to how your own muscles facilitate movement in your body.

Under Pressure

Join Bernoulli and Newton as we take this exciting look at aerodynamics and the properties of air...under pressure. Use a vortex generator to create air pockets with a punch and levitate ping pong balls in defiance of gravity!

Kids get a cool science take-home every week!

Get Connected

Chat on your own telephone network, wind through a cell tower relay and learn how to track cell phones! Join us as we look at the world of telecommunications and take home our Wired World optic fiber project.

Super Power Sources

Become a Junior Energy Saver as you Learn how we can harness the sun's heat , experiment with solar devices, fan powered light bulbs and more!!



Mix It Up

Shake, mix, stir and explore the physical aspects of chemistry. Learn all about solutions and suspensions by doing cool hands-on experiments and then continue the fun at home with your own mixture sorting kit!

FUN-damental Forces

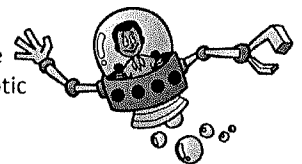
Gravity... Inertia... Centripetal force... who could ever imagine that an introduction to physics could be so much fun? Experience these awesome forces and build some cool devices to watch them at work!

Science of Toys

Did you know that some of your favorite toys work using basic science principles? Join the fun as you discover the science of motion by bouncing balls and playing with yo-yos and other classic toys.

Radical Robots

Experiment with robots that can do some extraordinary tasks, infrared robots, robotic arms, and even soccer playing robots.



*Note not all topics may be covered depending on length of program.

Mad Science of Western New England
Sparking Imaginative Learning

westnewengland.madscience.org
mail@madsciencewne.com
1-800-338-5711 or 413-584-7243

Call us about our Birthdays ★ In School FIELD TRIPS ★ Family Science Nights ★ Assemblies ★ Scouting Programs ★ Summer Programming