

**The science of  
EVERYDAY LIFE!**

# Fantastic FORCES

## 8-Week After-School Program

**Register  
Today!**

In this program, kids explore a variety of introductory topics in engineering, physics, and chemistry as they learn how science can be applied in everyday life.

They learn about concepts like bridge construction, the forces of flight, how air pressure can be used to move things, and more!

**For Kids in  
Grades 2-5**

At the end of every class, kids take home an educational toy to extend the learning experience!



**Held at Revolution Academy  
Wed. March 6th - May 1st skip 4/3  
3:30 - 5:00 PM  
\$130 for 8/90 min Classes**

**Spots Limited!**

[triad.MadScience.org](http://triad.MadScience.org)  
(336) 784-1818

# Our Class Topics



## Che-mystery

Children discover the mysterious wonders of chemical science. They learn the difference between physical and chemical changes through exciting, hands-on experiments.



## Fantastic Fliers

Children discover how the four forces of flight help things soar into the sky. They build all kinds of paper aircraft to help them understand in a tangible, hands-on way!



## Current Events

Children investigate conductors, insulators, and other elements in the world of circuit electricity. They connect with circuits and discover the wonders of technology!



## Super Structures

Kids test out the basics of architectural design and structural engineering in this hands-on class about structures. They explore how triangles, arches, and bridges give strength to structures.



## Fun-damental Forces

Kids find out about forces by doing experiments on gravity, centripetal force, and inertia. They check out a gyroscope, make cars fly down a track and do a few balancing tricks to discover how forces affect motion.



## Under Pressure

Kids discover how Bernoulli's principle can keep things in the air and how air pressure can be used to move things.



## Science of Illusion

Children discover the magic of science and learn the science behind some well-known magic tricks! They untangle Houdini's chains and learn how mirrors and optics can make things disappear.



## Wacky Water

Children explore the amazing properties of water – density, solvency and surface tension – in this hands-on look at how water works.

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