

Adventures in Science

Classes begin Monday, August 17 and run thru Friday, August 21, 2009.

Location: Wood-Ridge Civic Center, 495 Highland Ave

If you're fascinated by technology and science, these classes are designed just for you! You can explore Robotics, Aviation, or sample a variety of Mad Science concepts. All three classes are hands-on and so much fun you won't know you're learning! Sign up for as many as three classes and get a full morning of Science. Classes are \$99.00 each!



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Cyber Robotics: Science & Technology

9:00am- 10:00am Grades K-2

Learn about the "building blocks" for all robotic movement: wheels, axles, and gears. Using specialty Lego parts, you will build merry-go-rounds, fans and other fun devices. You'll take home the 60-piece special parts set at the completion of class. Lots of fun for all fans of Lego's, robots, or kids who just want to know how things work!

Cyber Robotics: Intro to Robotics

9:00am - 10:00am Grades 3-6

Watch the teacher demonstrate building Tankbots, Touch and Light Sensors, Gears and ROBOLAB programming. Then you will complete programming exercises to reinforce demonstrated concepts. At the end of each activity, you will solve Open-Ended Challenges to demonstrate your understanding of programming logic, motors and timers, and touch and light sensors. This class includes extensive use of computers.

Aviation Club: Intro to Aviation

10:00am -11:00am Grades K-2 & 3-6

Join us to build and fly real model airplanes and to explore the world of aviation! During the season you'll build from scratch at least 2-3 different airplane models. You'll fly your models and see your gliders in motion. You'll also learn to read plans, use metric rulers, make calculations and work with different tools. This fun and interactive class will stimulate your imagination! The curriculum is adapted for children in different age groups.

Mad Science: Jr. Mad Scientist

11:00am- 12:00pm Grades PreK-1

We'll cover two topics each day, in just enough detail for the youngest scientists! Some of our units include Color Lab, Listen Closely, Keep in Touch, Eye to Eye, Adventures in Air, Digging for Dinosaurs, Weather Wonders, Water Works, Science of Music, Magnetic Attraction, Space Frontiers, Mad Mixtures, Let's Look Closely and Taste & Smell.

Mad Science

11:00am- 12:00pm Grades 2-6

Explore a different topic each day! We might turn our classroom into a crime lab while we explore forensics. The next day we might learn about the science that makes our dinner! Then our classroom becomes a movie set as we explore special effects. Other possible topics include Walloping Weather, Earthworks, Mad Science Machines and Bugs!

Looking for something to do in July,
Why not broaden your horizons and sign up for one of these great courses.

ADVENTURES IN LEARNING

Shake Your Tailfeather! Finger Foods Kids In The Kitchen Wood Crafts, Etc.
Origami Guitar Science Magic Book of Me Drawing & Calligraphy
Hip Hop Plus Digital Photography

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