

# CLUB 456...Its fun to the extreme... for members only!

## SUMMER 2012

**WHAT'S YOUR DREAM?** Are you wild for pro sports? Mad about the lab? How about getting soaked on the beach? Do you love refreshing swims, exciting trips, and awesome special events, too? Then join Club 456 for UltraSports or Science Quest. They're here for you at Laurel Hill! Just pick your passion.

Club 456 is for kids who thrive on good times and extraordinary experiences delivered by talented professionals. Enjoy the full Laurel Hill spectrum of special events PLUS superb, kid-selected clinics!

### *Who are the instructors?*

Club 456 clinics will be taught by pros, able to communicate their knowledge as well as their enthusiasm! **The Science Museum of Long Island, the Long Island Lizards lacrosse team, and the Rough Riders soccer team** are just a few of the organizations whose expert instructors will teach our Club members. Also, each group of campers will receive care from a single Group Leader for the entire summer, preserving the sense of security and continuity arising from a great relationship with the staff.

### *What are the specialties offered in Club 456?*

**ULTRASPORTS...**Train and play for take-it-to-the-limit sports camping. Action-packed, high-energy clinics in Lacrosse, Baseball, Soccer, and Adventure Challenge.

**SCIENCE QUEST...**Explorations of our local environment with Sand Stormers Beach Exploration Team; bring out your inner investigator with Genetic Detective or be an engineer with Robotics/ Gadgets & Gizmos!

### *What about swimming?*

Whether their day is spent on or off campus, they'll enjoy two refreshing swims, including one full instructional and one recreational period!

### *Will my camper go on trips?*

Absolutely! Club 456 members will have one or more exciting trips each month of camp.

### *Which sessions are available for enrollment?*

Two, four, six or eight week sessions are offered for Club 456. **Laurel Hill Club 456 campers receive the gift of time for a full camp experience...time to form lasting friendships and to get to know our caring staff.**

## **OCEANOGRAPHY & MARINE BIOLOGY**

Grab your aqua socks and your microscopes and get soaked with the Sand Stormers! This program is delivered by **The Long Island Science Museum** and will explore the rich ecology of our local ponds and beaches where our campers will gather, identify, and examine the exciting creatures living there! The Sand Stormers will travel to Cedar Beach Environmental Center, Avalon Park, Flax Ponds, Sand Street Beach and even journey to Atlantis Marine World where they will explore the interactive Salt Marsh. Water samples will be collected from each location. The Sand Stormers will return to the "lab" for analysis of salinity and oxygen levels and get up close and personal with creatures from the sea in the dissection lab. See first-hand the outer AND inner beauty of our underwater friends.

## **GENETIC DETECTIVE**

Love a great mystery? Join the DNA Detectives investigation team! With the help of the Long Island Science Museum, the Detectives use fingerprinting, DNA extraction techniques, dissection skills, and archaeology to answer questions of the past and the present. The DNA Detectives experience includes:

DNA Fingerprinting: Use the methods crimestoppers rely upon to catch bad guys! Students will collect and prepare a sample, set a gel plate, pipette the sample and analyze the results.

DNA Extraction: Isolate plant DNA and explore its incredible role in making every creature unique.

## **EARTH SHATTERING SCIENCE**

Avalanches! Volcanoes! and Earthquakes! Shake up your world as you discover the dynamic forces that shape our planet and change it everyday. Learn the science behind the powerful forces of Mother Nature. Examine the various layers of a volcano and figure out why they erupt. Perform experiments that mimic these natural disasters. How does a building's height affect its stability? Which building design will best withstand an earthquake? Create your own Snow-Capped Mountain and watch an avalanche right before your eyes! Hold on to your seat throughout this rocking and rolling ride.

## **ROBOTICS / GIZMOS & GADGETS**

Ever dreamed of building your own personal robot? Here's your chance! In our robotics workshop you'll find out exactly what makes a robot tick and learn how to build one, too.

If you'd like to become a mechanical whiz, you'll love our Gizmos & Gadgets program. You'll learn all about the engineering of complex structures such as bridges and elevators. You'll use levers, inclined planes, screws, pulleys, wheels and wedges to build your own machines. And imagine - you will even build your own "edible" house!