



## Summer Camp Programs – 2011 4th and 5th grade

### **Week 1 (June 27-July 1<sup>st</sup>):**

#### **The Great Push and Pull**

Can you balance an egg? Can you move a car with touching it? Come explore how magnetism and gravity affect your everyday life with some messy experiments. Then visit our Amusement Park Travel Exhibit to see gravity and magnetism in action.

### **Week 2 (July 11-15):**

#### **Energy**

There are several different types of energy. Which ones powers your house and which one powers you? We will also explore the different types of energy used to run amusement parks in conjunction with our Amusement Park Fun Travelling Exhibit.

### **Week 3(July 18-22):**

#### **Marvelous Machines**

Is a catapult a simple machine? How high can you make something fly? How far can you make it roll? We will answer all these questions and more as we build simple and complex motorized machines using Lego Education's Simple and Motorized Mechanisms Base Set along with Uberstix and your imagination!

### **Week 4 (July 25-29):**

#### **CSI**

Be the agent and solve mysteries using forensic science. We will try not to Blame the Bees or be Caught by a Kiss as we find Flowers for Freddy during these three cool CSI adventures!

### **Week 5 (August 1-5):**

#### **Bomb Squad: Chemical Explosions**

Explore the chemical reaction behind what makes things explode. Will it have a big explosion or a small one? We will use dry ice, liquid nitrogen, and other chemicals to have fun and blow stuff up!

### **Week 6 (August 8-12):**

#### **Celestial Exploration**

Take a journey around the world and through the galaxy as we visit the moon, stars, planets, and neighboring galaxies inside our Starlab Portable Planetarium. We will tour the constellations of several different cultures and play tag with the phases of the moon.