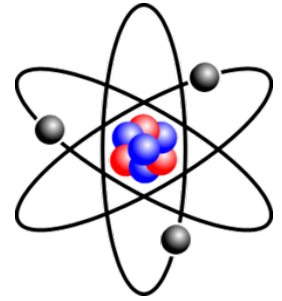


## Little Scientists

Little Scientists will test their scientific skills alongside Darien Nature Center staff during this hands-on, fun-filled scientific adventure.



### Session I

#### **Chemistry Basics 1: Phases of Matter**

Learn why raisins dance in a bottle of soda, how to create a gas to inflate a balloon and launch a rocket. Then apply these principles to make a tasty treat.

#### **Chemistry Basics 2: Changing Phases**



Observe the rate at which ice melts. Experiment with ways to speed up the process using salt. Predict which liquid will dissolve a candy cane the quickest.

#### **Air: It's All Around Us**

Investigate how air can keep paper dry while under water, how we can sink items without touching them and how to inflate a balloon without our breath.

#### **Surface Tension**

Experiment with the skin on the water's surface by floating paperclips, scattering pepper and making milk fireworks.

#### **Force and Motion**

Explore Newton's Laws of Motion by attempting an exciting egg drop trick. Discover how basketballs can share their energy with ping pong balls to send them flying.

#### **Static Electricity**

Create static charges that will raise hair, lift butterfly wings and bend water.

#### **Senses: Exploring Sight**

Test a variety of optical aids and see how they affect what you see. Play a memory game and find the bunny and elephant in the optical illusions.

#### **Senses: Exploring Sound**

Make sugar dance, create a kazoo to take home and listen to sound through a string.

#### **Senses: Exploring Touch**

Meet someone prickly as you explore texture through animal coverings.

