



museum of  
innovation and science

## Kindergarten—Grade 2 Outreaches

New York State P-12 Science Learning Standards are listed at the end of each program offering, where applicable

### Outreach Planetarium Shows

**STARLAB Portable Planetarium Programs** by Dudley Observatory at miSci in partnership with Capital Region BOCES.

#### **As the Earth Spins**

Why do we have night and day? Where does the sun rise and set? What will we see in the sky tonight? Students will look for patterns and make predictions based on the rotation of the earth.

30 minutes, 30 people maximum (including chaperones)

#### **Seasonal Stargazers**

What are constellations and why do they change with the seasons? Students discover why the sun and other stars appear to move through the sky in predictable patterns, both daily and seasonally.

30 minutes, 30 people maximum (including chaperones)

#### **Custom Program**

We will work with you to design unique programs to meet your curriculum needs.

30 minutes, 30 people maximum (including chaperones)

### Hands-on Science Explorations

#### **Insect Invasion**

What makes a butterfly an insect? Discover the amazing diversity of insects through this hands-on exploration. Students create an insect that represents basic insect biology, including their adaptive color schemes.

45 minutes, 25 students maximum, K-LS1-1

#### **Little Scientist**

Our exhibits and collections feature work of scientists from yesterday and today. Transform yourself into a scientist and discover how scientists work. Use tools a scientist uses. Conduct a simple experiment in chromatography, and take home the colorful results.

45 minutes, 25 students maximum, 2-PS1-1

#### **Little Wonders of Science: My Five Senses**

Investigate the five senses! Children journey through various hands-on stations with manipulatives like scented balloons and mystery boxes.

45 minutes, 25 students maximum, 2-PS1-1, Complements Common Core Engage NY Grade K: D2

## Hands-on Science Explorations (continued)

### **Little Wonders of Science: Rosie Revere, Engineer**

Meet Rosie, a brilliant engineer who builds wonderful gadgets and gizmos in this award-winning, New York Times Best Seller. Learn how “you only fail if you quit”, build a flying machine and test if your Lego structure can withstand the shake table!

45 minutes, 25 students maximum, K-PS2-1, 2-PS1-3, K-2-ETS1-2

### **Spinning in Space**

Explore our place in space. Learn about Earth and its relation to other bodies in the solar system. Discover, through kinesthetic activities, the movement of the Earth, Moon and Sun system and how this causes common phenomenon such as day and night and shadows.

45 minutes, 25 students maximum, 1-ESS1-1 , Compliments Common Core Engage NY Grade 1: D6

## Interactive Science Demos

### **Dry Ice**

Explore the states of matter and sublimation with the fun and excitement of dry ice.

30 minutes, 30 students maximum, K-PS1-1

### **Nanotechnology**

Explore the everyday applications of nanotechnology and find out just how small nano really is.

30 minutes, 30 students maximum, 2-PS1-1, 2-PS1-2