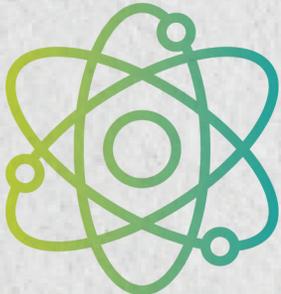




# OPPORTUNITIES 2020/2021



**Let Us Come To Your School!**



# THE TRAVELING SCIENCE PROGRAM

## Questions About the Traveling Science Program (TSP)

Our Traveling Science Program (TSP) vans begin their educational journeys in Maryland and beyond for the 2020-2021 school year starting October 6th.

### How do I arrange for TSP to visit my school?

Bookings are accepted on a first-come, first-served basis. Contact the TSP Reservations Department at 410.545.5968 or email outreach@mdsci.org. A member of the TSP Reservations Department can answer questions, offer scheduling suggestions, review costs, and book the date you selected for TSP to visit your school.

### Can I bring TSP to my local library, community center, or other non-school setting?

Yes, an additional program model is available for libraries, community centers, and non-school settings. Please contact the TSP Reservations Line at 410-545-5968 for more information.

### When can I phone the TSP Reservations Department?

Staff are available Monday through Friday from 2pm - 9pm. Certain months fill up quickly so phone early with your desired program, date, and time.

## Assembly Programs

### Dinosaurs

**Grades: PreK4-1**

**Capacity: 250 students per day, maximum**

**100 students per show**

**Length: 30 minutes**

- Apply prior knowledge of self and other animals to determine how dinosaurs are different
- Observe similar patterns within dinosaurs and humans and describe what all animals need to survive
- Discuss how parent dinosaurs were like their offspring and unlike other dinosaurs and other animals

### Let's Science That

**Grades 2-5**

**Capacity 250 students**

**Length: 30 minutes**

*Requires the ability to turn the overhead lights off for part of the program*

- Explore the process of science through physical and chemical demonstrations
- Investigate light reflection, absorption, and shadow making
- Observe the formation of new substances through chemical reactions

## Activity Pricing

Assembly Programs  
30 minutes each  
Maximum 3 per day

Up to 250 participants  
\$575  
1-3 presentations

Additional daily programs may be scheduled through our reservations department on a case by case basis.

Classroom Programs  
50 minutes each  
Maximum 5 per day

Up to 90 participants  
\$435  
1-5 presentations, same title

Additional daily programs may be scheduled through our reservations department on a case by case basis.

# THE TRAVELING SCIENCE PROGRAM

## Mixing Up Science

Grades: PreK4-1

Capacity: 250 students, maximum 100 students per show

Length: 30 minutes

- Practice describing observations during hands-on demonstrations
- Define properties of different materials and relate them to states of matter
- Witness some surprising chemical reactions

## Science Unscripted

Grades: 1-5

Capacity: 250 students

Length: 30 minutes

- Compose a unique science show by selecting experiments from our science topic cards
- Partake in a range of demonstrations including liquid nitrogen, chemical mixing, and combustion reactions

## Use the Force

Grades: 1-5

Capacity: 250 students

Length: 30 minutes

- Observe the properties of materials and how they can change by heating, cooling, or adding a force
- Discover how energy is transferred between objects
- Explore the conservation of energy involving light, heat, and sound



## What's the Matter?

Grades: K-5

Capacity: 250 students

Length: 30 minutes

- Describe different states of matter with models and demonstrations
- Observe properties of different materials and predict their use
- Witness results of chemical reactions as substances combine and change

## Who Invented Electricity?

Grades: 3-8

Capacity: 250 students

Length: 30 minutes

- Determine the cause and effect relationships of electric and magnetic interactions between objects
- Consider evidence that electrical current can be transferred through conductive material
- Discover the cooperation of worldwide scientists in discoveries of electromagnetic phenomena

## Classroom Programs

### Beyond Building

Grades: 3-5

Capacity: 90 students

Length: 50 minutes

- Participate in three engineering activities designed to engage in the engineering design processes
- Practice engineering skills beyond building, including manipulating light with lenses and amplifying sound with different materials
- Explore various real-world careers that use engineering to get the job done

### Circuit Masters

Grades: 2-3, 4-6

Capacity: 90 students

Length: 50 minutes

- Explore the basics of electricity
- Incorporate different types of switches
- Test and compare insulators and conductors



# THE TRAVELING SCIENCE PROGRAM



## Engineered by Design

**Grades:** 3-8

**Capacity:** 90 students

**Length:** 50 minutes

- Explore the engineering design process (imagine, plan, create, test, improve)
- Be challenged to follow the design process in order to create a solution for a given task

## Fairy Tale Engineering

**Grades:** K-2

**Capacity:** 90 students

**Length:** 50 minutes

- Participate in three engineering activities inspired by classic fairy tale stories
- Act as heroes of a story by overcoming problems using engineering
- Experience to the engineering design process

## It's Cool in Your School

**Grades:** 6-12

**Capacity:** 90 students

**Length:** 50 minutes

- Learn about the science of cryogenics using liquid nitrogen
- Find out how different materials react to extreme cold
- Witness the relationship between pressure, volume, and temperature

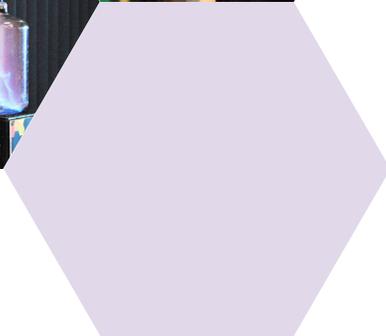
## Solid, Liquid, Slime

**Grades:** K-2

**Capacity:** 90 students

**Length:** 50 minutes

- Discuss the differences between solids and liquids
- Prepare samples of chemical slime
- Conduct an investigation on slime's state of matter



# SPECIAL OPPORTUNITIES FOR SCHOOL GROUPS

## **Camp-In Sleepover For School Groups!**

**Grades: 3-6**

**Capacity: 90 children per night, plus adult chaperones**

**Time: Fridays and Saturdays, Winter-Spring**

### **Campers will**

- Participate in hands-on animal themed workshops
- View a planetarium show
- View an IMAX movie
- Visit three floors of interactive exhibits
- Spend a night at the museum

### **Also includes**

- Snack and Breakfast
- Participation patch

Call 410-545-5958 or email [campin@mdsci.org](mailto:campin@mdsci.org) for more information and to begin your reservation.

## **Family Science Night (FSN) & Family Engineering Night (FEN)**

Bring the Maryland Science Center to your school for an evening devoted to family fun, community-building, and learning. Family Science Night is a two-hour program designed to engage students and their families in STEM related activities. An additional offering of Family Engineering Night is available for an evening focused exclusively on design challenges and engineering concepts.

### **Your reservation includes**

- 8 hands-on science or engineering activities
- 8 Maryland Science Center staff members, one for each activity
- Promotional flyer
- Activity passport for students
- 8 Maryland Science Center visitor vouchers for prizes

The fee for either FSN or FEN is \$1500. Additional activities can be included for an added fee. Pricing is based on schools within an hour of Baltimore City. Additional fees may apply for schools at a greater distance. This program may be eligible for Title I Parent Involvement funding.

Call 410-545-5968 or email [famscinight@mdsci.org](mailto:famscinight@mdsci.org) for more information and to begin your reservation.

## **EDUCATOR RESOURCES**

### **Free Admission For Teachers**

The Maryland Science Center offers FREE ADMISSION to our exhibit halls to all credentialed Maryland teachers, when not visiting with a school group throughout the year.

Upon arrival, present your educator identification (school ID, payroll receipt, etc.) to a ticket agent.

### **Online Resources**

Information identifying links between Next Generation Science Standards and MSC exhibits, enrichment experiences, and theater shows is available from the MSC website. This and other resources including a scavenger hunt for use during your visit and step-by-step science experiments are all available for download.

Visit [www.marylandsciencecenter.org](http://www.marylandsciencecenter.org) and navigate to “Learn” and select “Resources.” Links and materials can be found within the “Educator Resources” section.





601 Light Street at Baltimore's Inner Harbor

[www.marylandsciencecenter.org](http://www.marylandsciencecenter.org)

A 501(c)3 nonprofit organization operating in the state of Maryland