

**The Magic House**  
St. Louis Children's Museum

516 S. Kirkwood Road  
St. Louis, MO 63122

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2019 - 2020

# Education Program Guide



**The Magic House**  
St. Louis Children's Museum

**Schedule your field trip today!**

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Wonder Works	2	<b>Reservations</b>	Reservations are required for all field trips, outreach programs and professional development workshops. Reservations can be made on The Magic House website at <a href="http://www.magichouse.org/educators">www.magichouse.org/educators</a> . For more information contact the Education Department at 314.288.2513 or <a href="mailto:educationinfo@magichouse.org">educationinfo@magichouse.org</a> .
STEAM Center	3	<b>Standards</b>	The content of all education programs at The Magic House aligns with the national and state academic standards identified in the <b>Next Generation Science Standards</b> (NGSS); the <b>Grade Level Expectations</b> outlined by the Missouri Department of Elementary and Secondary Education (GLEs); and the <b>Missouri Early Learning Standards</b> (MELs), as noted in program descriptions.
Children's Village	4	<b>Field Trip Discount</b>	Schools visiting on a reserved field trip in the months of September, October and January will be admitted for a special admission of \$3.25 per person. (Regular field trip admission is \$6.50 per person.)
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# Scholarships

## Access for All

Your school may be eligible for a free field trip or outreach program from The Magic House! Thanks to generous donors who contribute to **Access for All**, The Magic House provides free learning experiences to Title 1 schools, as well as schools with 50 percent or more students that qualify for free and reduced lunch. If your organization qualifies, please enter the code ACCESS when making your online field trip reservation.

For more information about our Access for All scholarships, contact the Education Department at [educationinfo@magichouse.org](mailto:educationinfo@magichouse.org) or call 314-288-2513.

Look for this icon throughout the Education Program Guide where scholarships are available.



### Access for All Scholarship Opportunity

Thanks to generous grants from the **Access for All Donors** to The Magic House.

Thanks to these generous donors who ensure that The Magic House's education programs are available to all children:

- Ameren
- Bayer Fund
- Boeing
- Carr Lane Manufacturing Co.
- Cardinals Care
- Edward Chase Garvey Memorial Foundation
- Emerson
- Kent Family Foundation
- Mary Ranken Jordan and Ettie A. Jordan Charitable Foundation
- Maritz
- Mastercard
- The Saigh Foundation
- Spire
- Target
- Union Pacific Foundation
- Watlow
- Wells Fargo Advisors

# What's New

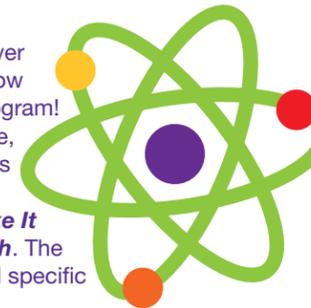
## Additional Museum Exploration

New this year, school groups are invited to explore The Magic House following their guided field trip! Available from 11:00 to noon, schools groups will have the opportunity to enjoy free play in some of their favorite exhibits including the **Children's Village**, **Bubble Room**, **Wonder Works** and more!

## STEAM Center Field Trip Program

Grades 1 – 5

Our new **STEAM Center** has taken over a whole floor of the Museum and is now available for a brand new field trip program! Students experiment, create, calculate, invent and make important discoveries as they explore the **Science Lab**, technology-infused **Future Play**, **Make It Workshop**, **Art Studio** and **Math Path**. The morning culminates with a grade level specific design challenge.



## Argentina's Niños Exhibit

Kindergarten – Grade 5

Available beginning November 12, 2019

"¡Bienvenido a Argentina!" Take your students on a trip to the second largest country in South America with a visit to our newest exhibit, **Argentina's Niños**. Through a variety of immersive environments, students will experience what life is like for Argentine niños (kids) in this vibrant culture.

## Good Food For You Outreach Program

Kindergarten – Grade 5

Empower students to be healthy and smart from the inside out as they learn to make healthy choices in four portable interactive environments: a grocery store, farmers market, restaurant and home kitchen, all without leaving school. **Good Food for You** encourages students' decision-making, self-management, teamwork and collaboration as they learn to choose nutritious foods and create healthy meals.



## A Kids Makerspace

Grades 1 – 8

The Magic House has opened a cutting-edge makerspace with a STEAM education focus in the City of St. Louis, between the Central West End and the Loop. **The Magic House @ MADE** features 7,000 square feet of interactive space including four areas: a **Makers Workshop**, an **Artists Studio**, a **Designers Lab**, and an **Entrepreneurs Marketplace**. Students are invited to this new STEAM-infused exhibit space where they will explore, create and collaborate, plus participate in a special grade-level specific design challenge, inviting students to sharpen their problem-solving skills.

Each one hour and 30-minute program includes an exclusive exploration of **The Magic House @ MADE** plus a grade-level specific program.

Admission is \$5 per person.



5127 Delmar Blvd. • St. Louis, MO 63108

**Play Explore**  
**Create Collaborate**



### Access for All Scholarship Opportunity

Thanks to a generous grant from **Cortex Innovation Community**, **Boeing** and **Cardinals Care**, a limited number of qualifying school groups will participate in The Magic House @ MADE field trip programs free of charge.

# Field Trips

Plan a field trip your students won't forget! Field trips are offered throughout the school year, Tuesday through Friday and select Mondays during April and May.

**\$6.50**  
per person

A minimum of one adult chaperone is required for every five students. One teacher per classroom is admitted free of charge.

## Wonder Works (Preschool & Kindergarten)

Preschool groups will enjoy a one hour and 15-minute **Wonder Works** field trip program. Young children will engage in a developmentally appropriate and discovery-based approach to learning within the STEAM-focused exhibit space designed to support and nurture children's natural curiosity in their world.

MELs: Physical Science 1.a, 1.b, 1.c, 2.b, 3.b, 4.a, 4.c, 4.d; Life Science 1.b, 2.a, 2.b, 4.a; Earth and Space 1.a, 1.b, 1.c, 2.b, 4.a; Measurement 2.a; Physical Development 2.c, 3.a, 3.c; Health 1.c; Speaking/Expressive Language 1.a, 1.b, Listening/Receptive Language 1.b, 1.d; Reading 1.a, 1.d

**\* Access for All Scholarship Opportunity**  
Thanks to a generous grant from the **Union Pacific Foundation**, a limited number of qualifying school groups will participate in **Wonder Works** field trip programs free of charge.

## 2019-20 Featured Educational Programs

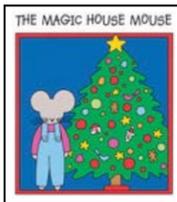
### First Semester

All groups visiting first semester will have the opportunity to enjoy the nationally traveling STEM-based exhibit **Thomas & Friends™: Explore the Rails** as part of their field trip experience!

#### September – December **Thomas & Friends™: Explore the Rails**



Featuring the favorite engines and destinations from **Thomas & Friends™**, the STEM (Science, Technology, Engineering and Math) – focused exhibit engages children, ages 2 through 7, and families in foundational skills that foster STEM literacy through playful learning experiences. The exhibit incorporates foundational STEM practices that encourage thinking mathematically, making comparisons, experimenting to solve problems using a variety of methods and tools, thinking creatively and reflecting on actions and results.



#### December **The Magic House Mouse**

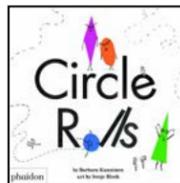
Mrs. Claus tells the touching tale of a group of mice who live in The Magic House and learn about the true spirit of giving. A surprise visit from a very special guest will inspire little ones to Ho-Ho-Ho all the way home!

### Second Semester



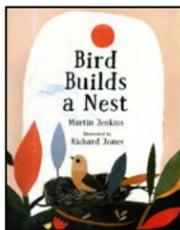
#### January **Winter Is Here** by Kevin Henkes

Expressive paintings capture the beauty of winter as snow falls, animals burrow, and children prepare for this chilly, joy-filled season! Following the story, young ones will take part in a discovery of the wonders of winter!



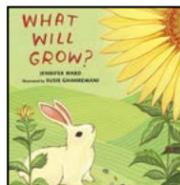
#### February-March **Circle Rolls** by Barbara Kanninen

"Circle rolls, oval rocks, square sits like a box. Circle rolls, rectangle stands, triangle points without any hands." A busy story-line of rhyming text calls out a collection of shapes and their physical characteristics! After the story, little learners will travel full-circle through an exploration of everything shapes!



#### April **Bird Builds a Nest** by Martin Jenkins

A mother bird uses the forces of physics as she pushes and pulls to engineer the perfect, cozy nest for five speckled eggs! Following the story, preschoolers will spread their wings in an investigation of these favorite feathered friends.



#### May **What Will Grow?** by Jennifer Ward

This lyrical picture book explores the wonders of seeds from the ground up! The magic and excitement of planting seeds of all shapes and sizes invites curious children to dig in and learn. A garden of activities sparking their inner botanist will complete the visit!

# STEAM Center

Our **STEAM Center** has taken over a whole floor of the Museum and is now available for an updated field trip program! Students experiment, create, calculate, invent and make important discoveries as they explore the new **Science Lab**, technology-infused **Future Play**, **Make-It Workshop**, **Art Studio** and **Math Path** as well as complete a grade-level specific program. Each field trip lasts one hour and 30-minutes.

**\* Access for All Scholarship Opportunity**  
Thanks to a generous grant from **Emerson**, a limited number of qualifying school groups will participate in **STEAM Center** field trip programs free of charge.

## Grades 1 – 5

Budding inventors will hone their problem-solving skills as they participate in, and learn about, the engineering design process. By tapping into student's natural curiosity, the **STEAM Center** field trip allows students to get hands-on as they solve grade-level specific challenges that meet state GLEs.

### Turn up the Volume

Grade 1

Sounds like fun! Design and build a device that makes sound in two different ways.

GLE's: Science K-5: Wave Properties 1.PS4.A, Science K-5: Information Technologies and Instrumentation 1.PS4.C, Science K-5: Engineering Design 1.ETS1.A-C

NGSS: 1-PS4-1, 1-PS4-4, K-2-ETS1-1, K-2-ETS1-2, K-2-ETS1-3

### Roll with It

Grade 2

Driver's license not required! Design and build a device that can move a car 6 inches without touching it.

GLE's: Science K-5: Engineering Design 2.ETS1.A-C

NGSS: 3-PS2-3, K-2-ETS1-1, K-2-ETS1-2, K-2-ETS1-3

### Tower of Strength

Grade 3

Bring in reinforcements! Build a skyscraper using a variety of non-traditional building supplies strong enough to withstand the wind.

GLE's: Science K-5: Engineering Design 3-5A, B&C, Science K-5: Earth and Human Activity 4A & 3B, Science K-5: Energy 4B.2

NGSS: 3-5-ETS1-1, 3-5-ETS1-2, 3-5-ETS1-3, ETS1.A, ETC1.C, ESS3.B, S1, S2, S3, S6, S7



### No Wire Circuit

Grade 4

Go wireless! Create a circuit using household objects, anything but wire, to light an LED bulb.

GLE's: Science K-5: Engineering Design 3-5A, B&C, Science K-5: Earth and Human Activity 4A & 3B, Science K-5: Energy 4B.2

NGSS: 3-5-ETS1-1, 3-5-ETS1-2, 3-5-ETS1-3, ETS1.A, ETS1.B, ETS1.C, 4-PS3-2, 4-PS3-4, PS3.B, S1, S2, S3, S6, S7

### Hole in One

Grade 5

Fore! Build a machine that can hit a ball into a stationary cup.

GLE's: K-5 Science: Engineering Design 5.ETS.A-C

NGSS: 3-5-ETS1-1, 3-5ETS1-2, 3-5ETS1-3

**From 11:00 am to noon,  
school groups are invited to enjoy  
free play in rest of the Museum.**

# Children's Village

In the **Children's Village**, an immersive learning environment sparks the imagination of students as they explore a child-sized community that provides a world of 21st-century learning opportunities in **math**, **science**, **social studies** and more. Each one hour and 30-minute program includes an exclusive exploration of the exhibit space and concludes with an educational program.



## Access for All Scholarship Opportunity

Thanks to a generous grant from **Wells Fargo Advisors**, a limited number of qualifying school groups will participate in Children's Village field trip programs free of charge.



## Kindergarten – Grade 2

### Community Workers

Students explore the concept of community as they take on the roles of bankers, engineers, mechanics, doctors, veterinarians and other community members. After students visit the **Children's Village**, Museum educators guide them in creating a model community of their own, determining what roles and institutions are necessary for it to function. Students will also sharpen their map skills as they become city planners and create a map of their own community.

GLEs: Social Studies K-2: Geography 5A; Tools and Social Science 7B

**From 11:00 am to noon,  
school groups are invited to enjoy  
free play in rest of the Museum.**

## Grades 2 – 4

### Money Doesn't Grow on Trees Field Trip

This financial literacy program helps students make connections between everyday living and finances. Students earn paychecks, make consumer choices, use teamwork at their job sites and learn how members of a community depend upon each other. They also form a "family" and demonstrate the ability to make appropriate personal economic choices about their wants and needs. Attendance at a FREE teacher workshop is a prerequisite for teachers new to the program.

GLEs: Social Studies 2-3: Economic Principles 4A; Math 2-3: Data and Statistics A



# Classic Magic House

**Classic Magic House** takes students on a path of discovery with dozens of exciting and challenging hands-on exhibits including **magnetism**, **light and shadows**, **the five senses** and **force and motion** and more. Every one hour and 30-minute program features exclusive exploration of the Museum's original three floors of interactive exhibits and a classroom educational program.



## Access for All Scholarship Opportunity

Thanks to generous grants from **Access for All Donors**, a limited number of qualifying school groups will participate in Classic Magic House field trip programs free of charge.

## Grades 1 – 5

### Force and Motion

Featuring the Electrostatic Generator, Bubble Room, Pulleys, three-story Super Slide and more, the Forces in Motion field trip includes a classroom investigation of magnetism, static electricity, forces and more that will cultivate students' creativity, critical thinking and problem-solving skills.

GLEs: Science 2-6: Matter and Energy 2A, Force and Motion 2D, Scientific Inquiry 1A  
NGSS: Physical Science 3.B

## Special Discount

### Kids CAN Help

November 2019

It is better to give than to receive. During November 2019, students and adults who donate a can of food will receive FREE admission when visiting on a reserved Classic Magic House field trip. All canned foods will be donated to the St. Louis Area Foodbank.



# Star-Spangled Center

Support your social studies curriculum with a field trip to the **Star-Spangled Center** featuring the **Oval Office**, **Legislative Chamber** and **Courtroom**. This one hour and 30-minute interactive program offers students the opportunity to explore the three branches of government, turning students into educated young citizens!



## Access for All Scholarship Opportunity

Thanks to a generous grant from **Mary Ranken Jordan and Ettie A. Jordan Charitable Foundation**, a limited number of qualifying school groups will participate in Star-Spangled Center field trip programs free of charge.

## Grades 1 – 5

### Majority Rules!

Grades 1 – 3

Cast your vote! Students register to vote, cast their ballots and evaluate election results on issues that matter to kids, like lowering the voting age. This program illustrates how voting is one of our most important rights and responsibilities and demonstrates democracy in action.

GLEs: Social Studies 1-3: Principles of Democracy 1D; Governance Systems 2B, 2D; Tools and Social Science 7B

### Law or No Law

Grades 3 – 5

All in favor say "aye" for this hands-on civic education program designed to help students identify Congress as the primary law-making body of the U.S. government. This experience invites young representatives to follow the law-making process from an idea, like receiving PE five days a week or allowing skateboarding on sidewalks, to a bill, discussion, a vote, and finally to the president's desk to learn how our laws are made.

GLEs: Social Studies 3-8: Principles of Democracy 1B; Governance Systems 2B, 2D; Tools and Social Science 7B

# World Traveler Gallery

Invite your students on an educational journey to study abroad, no passport required! The Magic House's **World Traveler Gallery** takes students on a one hour and 30-minute program to build global awareness and cultural understanding. Students will experience immersive environments and explore the daily lives of children from another part of the world, compare similarities and differences, then draw knowledge about families across the globe!

GLEs: Social Studies K-5: 5.A-F, 6.A-D



## Access for All Scholarship Opportunity

Thanks to a generous grant from **Kent Family Foundation**, a limited number of qualifying school groups will participate in World Traveler field trip programs free of charge.

## Kindergarten – Grade 5

### Children's China

Available through October 24, 2019

This fall, take a trip to China, no passports required! **Children's China** transports students halfway across the globe to experience what life is like for children in China today – a country where timeless traditions endure amidst a modern lifestyle. From caring for pandas in the panda reserve, to participating in a Chinese New Year celebration complete with a Dragon Parade, to exploring a contemporary classroom, six engaging and immersive settings bring the Chinese culture to life.

Children's China was created by The Magic House as part of the Freeman Foundation Asian Culture Exhibit Series, in partnership with the Confucius Institute at Webster University and Hanban.



### Argentina's Niños

Available beginning November 12, 2019

“¡Bienvenido a Argentina!” Take your students on a trip to the second largest country in South America with a visit to our newest World Traveler Gallery exhibit, **Argentina's Niños**. Designed to encourage global awareness and cultural appreciation, students will explore a variety of immersive environments important in children's lives around the world, including a traditional school, home, marketplace and more. During their visit, students will experience the vibrant culture and traditions found throughout the Argentine community.

Argentina's Niños was created by The Magic House in partnership with the St. Louis Argentine community.

**From 11:00 am to noon,  
school groups are invited to enjoy  
free play in rest of the Museum.**



# Professional Development

Professional development workshops promote The Magic House philosophy of combining hands-on learning and fun! Educators can enjoy the camaraderie of fellow teaching professionals while learning activities that are easily integrated into classroom curricula.

Workshop Cost: \$300 per session

Workshop Length: Two hours

Size Limit: Maximum 50 teachers

## Preschool

### Little Bit of Science

Join Museum educators as they introduce hands-on activities that support the Missouri Early Learning Standards in Science. Early childhood educators will gather engaging teaching strategies and hands-on activities to spark the excitement of science discovery and exploration in the early childhood classroom.

MELs: Physical Science 1.a, 1.b, 1.c, 2.a, 2.b, 2.c, 3.b, 3.c, 4.a, 4.b, 4.c; Life Science 1.a, 1.b, 2.a, 2.b, 2.c, 3.a, 3.b, 3.c, 4.d; Earth and Space 1.a, 1.b, 1.c, 2.a, 2.c, 3.a, 3.b, 4.a, 4.d

### Math for Early Learners

This workshop makes math instruction as simple as 1-2-3! Early childhood educators explore innovative ideas and hands-on teaching techniques that support the Missouri Early Learning Standards for Math, including number recognition, counting, measurement and more!

MELs: Counting and Cardinality 1.a, 1.b, 1.c, 1.d., 3.a., 3.b, 3.c, 4.b; Operations and Algebraic Thinking 1.a, 1.b; Numbers and Operations in Base Ten 1.a., 1.b.; Measurement and Data 1.a, 1.b, 1.c, 2.a., 2.b., 3.a., 3.b., 3.c; Geometry 1.c., 1.d., 1.e., 2.a, 2.b, 2.c, 2.d.

## Preschool – Kindergarten

### Full STEAM Ahead

Discover how creativity is the basis for learning and problem solving. This workshop opens the door to hands-on learning using integrated science, technology, engineering, art and mathematics content, allowing students to make real-life connections through inquiry, collaboration and project-based learning.

MELs: Physical Science 1.a, 1.b, 1.c, 1.a, 2.b, 2.c, 3.a, 3.b, 3.c, 4.a, 4.b, 4.c, 4.d; Life Science 1.a, 1.b, 1.c, 2.a, 2.b, 2.c, 3.a, 3.b, 3.c, 4.a, 4.b, 4.c, 4.d; Earth Science 1.a, 1.b, 1.c, 2.a, 2.b, 2.c, 3.a, 3.b, 4.a, 4.b, 4.c, 4.d; Technology 1.a, 1.b, 3.a, 3.b; Music and Movement 1.a, 2.b, 2.c, 2.d; Visual Arts 1.a, 1.b, 2.a, 2.b, 2.c; Drama 1.a, 2.a, 2.c, 2.d, 2.e; Counting and Cardinality 1.a, 1.b, 1.c, 1.d, 2.a, 3.a, 3.b, 3.c, 4.a, 4.b; Operations and Algebraic Thinking 1.a, 1.b, 2.a; Number and Operations in Base Ten 1.a, 1.b; Measurement and Data 1.a, 1.b, 1.c, 2.a, 2.b, 3.a, 3.b, 3.c; Geometry 1.c, 1.d, 2.a, 2.b, 2.c, 2.d Science K-2: Matter and Energy 1Aa-c; Ecosystems 1Aa-b; Scientific Inquiry 1Aa-b

NGSS: K-PS2-1, K-PS2-2, K-PS3-1, K-PS3-2, KESS2-2, K-ESS3-1, K-2-ETS1-1, K-2-ETS1-2K-2-ETS1-3

## Preschool – Grade 2

### From Stories to STEM

Paging all early childhood educators! This hands-on workshop uses favorite children's books as the catalyst for teachers to create challenges in science, technology, engineering and math (STEM). From inventing a coin-carrying contraption for Jack as he descends his beanstalk to planning a pulley perfect for a pumpkin, teachers will discover how to utilize children's literature to design lessons for the early childhood curriculum that incorporate creativity, collaboration and multiple solutions to problem solving.

MELs: Literacy: 1.1.d, 2.1.b, 2.2.b, 3.1.a, 3.1.b, 3.1.c, 4.1.d, 4.2.b; Math: 2.1.b, 4.1.a, 4.2.a, 4.2.b; Science: 1.1.a, 1.1.b, 1.1.c, 1.1.d, 1.2.b, 1.3.a, 1.3.b, 1.3.c, 1.4.c, 1.4.d, 3.4.c  
NGSS: K-2-ETS1-1, K-2-ETS1-2, K-2-ETS1-3

### Storytime: The Next Chapter

Check out the new edition of this professional development workshop. Using favorite children's books as inspiration, Magic House educators will provide creative ideas on how to use storytime to integrate hands-on science and math activities into the early childhood curriculum.

NGSS: Earth Space Science 2.C, 3.A; Life Science 1.A, 1.B, 2.C, 4.C; Physical Science 1.B, 4.A  
GLEs: Mathematics K-2: Numbers and Operations 1A, 1B, 2A Communications Arts K-2: Reading 2B, 2C, 3C Science K-2: Matter and Energy 1Aa-c

## Grades 2 – 4

### Money Doesn't Grow on Trees

Grade 2 – Grade 4

This workshop is designed to assist teachers in preparing students to participate in the **Money Doesn't Grow on Trees** financial literacy field trip program and provide ideas on integrating economic education into classroom curricula. Attendance at the **FREE** professional development workshop is a prerequisite for teachers new to the **Money Doesn't Grow on Trees** program and grants each teacher a **FREE** field trip! Workshops are held at The Magic House.

Workshop Dates:

September 25	6:00 to 8:00 pm
October 1	6:00 to 8:00 pm

GLEs: Social Studies 2-3: Economic Principles 4A; Math 2-3: Data and Statistics A



## Access for All Scholarship Opportunity

Thanks to a grant from **Wells Fargo Advisors**, qualifying teachers can receive in this program free of charge.

# Outreach Programs

Let us bring The Magic House to you! More than 25,000 students every year participate in Magic House programs in their own schools, libraries, camps, and child-care facilities.

Fees are based on schools within a 25-mile radius of The Magic House. If beyond this distance, please add \$1.50 per mile.

## Preschool STEM Programs

Program Cost: \$100 (one session)  
\$125 (two sessions)  
\$150 (three sessions)

### Backyard Bugs

In this introduction to insects and arachnids, students use their math and science skills to observe, sort, classify and compare these creepy crawly creatures. Students will be exposed to new vocabulary as they examine and learn the characteristics of our six- and eight-legged friends.

Program Length: 30 minutes per session  
Size Limit: Maximum 20 students



### Math With Clifford

It's big fun for little learners! Children will sort the Big Red Dog's belongings to discover the simple math concepts of counting and size order.

Program Length: 30 minutes per session  
Size Limit: Maximum 20 students



### Sense-sational Science

This hands-on exploration of the senses lets kids see the world through rose-colored glasses, chime in on a listening experiment and learn how the senses work.

Program Length: 30 minutes per session  
Size Limit: Maximum 20 students

### Water Wonders

Push up your umbrella and wade through a storm of wet and wild experiments! Find out how liquid can defy gravity, experience shower power, learn how paper can stay dry underwater and discover how air and water interact.

Program Length: 30 minutes per session  
Size Limit: Maximum 20 students

### A Little Bit of STEAM

A little bit of steam goes a long way in this interactive family program, as preschoolers and their special adults explore basic Science, Technology, Engineering, Art and Math activities. This hands-on program will bring parents and children together in an environment full of discovery, exploration and fun, while nurturing the natural curiosity and nature of the curious preschooler!

Program Cost: \$250  
Program Length: 45 minutes  
Size Limit: Maximum 50 students and their accompanying adults

Available during the school day, after school or in the evenings.

## Elementary STEM Programs

Program Cost: \$175 (one session)  
\$225 (two sessions)  
\$275 (three sessions)  
Program Length: 60 minutes

### Big Science

Grades 1 – 5

Experience science wonders both big and small with these amazing science activities. Discover the effects of air pressure on eggs, expand perimeter and step through an index card and have a ball with kinetic energy. Be amazed by a miniature hot air balloon, gravity defying water and shrinking chip bags while exploring everyday items!

Size Limit: Maximum 75 students (assembly-style)

### Science Spectacular

Grades 1 – 5

Students will be amazed as they learn about gravity, flabbergasted as they learn about force and motion, and mystified as they watch objects roll uphill in this program that develops scientific inquiry skills.

Size Limit: Maximum 75 students (assembly-style)

### Design Challenge

Grades 1 – 5

Empower students to think creatively, work collaboratively and to see themselves as problem solvers with this hands-on introduction to the Engineering Design Process. Basic design challenges will encourage students to use 21st-century skills and discover that there are infinite possible solutions to a problem.

Program Cost: \$175 (one session), \$225 (two sessions),  
\$275 (three sessions)

Program Length: 1 hour

Size Limit: Maximum 25 students.

Volunteers required: 1 teacher and 1 adult volunteer

## Outreach Discounts

### Outreach Special — September 2019

Half-price rates are available for all daytime outreach programs scheduled for the month of September 2019.

### Access for All Scholarships

Thanks to our generous donors who contribute to the Museum's Access for All Scholarship program. Free outreach programs are available on a limited basis to schools that serve 50 percent or more free and reduced lunch students.

## Learning Labs

Transform an ordinary school environment into an extraordinary science learning lab! These programs require adult volunteers and space to accommodate table-based learning stations.

Schools may schedule up to three sessions per day. The same program must be presented at each session.

### Good Food for You

Kindergarten – Grade 5

Empower students to be healthy and smart from the inside out as they learn to make healthy choices in four portable interactive environments: a grocery store, farmers market, restaurant and home kitchen, all without leaving school. Good Food for You encourages students' decision-making, self-management, teamwork and collaboration as they learn to choose nutritious foods and create healthy meals. Good Food for You also aligns with school health and wellness policies and meets state guidelines for nutrition education grade-level expectations, all to help students begin their journey toward a lifetime of healthy eating habits.

Program Cost: \$175 (one session), \$225 (two sessions),  
\$275 (three sessions)

Program Length: 1 Hour

Size Limit: Maximum 25 students

Volunteers required: 1 teacher and 1 adult volunteer

 **Access for All Scholarship Opportunity**  
Thanks to a grant from **Bayer Fund**, qualifying school groups can receive in this program free of charge.

### Saving the Great Outdoors

Grades 1 – 5

This hands-on environmental science program provides students with the knowledge and encouragement to make environmental choices that will help preserve the earth's delicate balance. The impact of human activity on the environment is emphasized as students learn about recycling, water filtration and environmental science.

Program Cost: \$175 (one session), \$225 (two sessions),  
\$275 (three sessions)

Program Length: 50 minutes per session

Size Limit: Maximum 25 students

Volunteers required: 1 teacher and 4 adult volunteers

### Watt's Up With Electricity?

Grade 3 – 5

The fundamentals of electricity and magnetism come to light as students discover the basics of electricity in this hands-on program. Students will become enlightened as they create a working flashlight from a soda can, investigate conductors, insulators and circuits, and discover the secret to circuits and electrical switches.

Program Cost: \$175 (one session), \$225 (two sessions),  
\$275 (three sessions)

Program Length: 50 minutes per session

Size Limit: Maximum 25 students

Volunteers required: 1 teacher and 4 adult volunteers