

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

516 S. Kirkwood Road  
St. Louis, MO 63122

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2018 - 2019

# Education Program Guide



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

**Schedule your field trip today!**

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# Discounts and 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 that serve 50 percent or more students that qualify for free and reduced lunch. Free field trips are available on a first come, first served basis.

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.

## Fall Outreach Special – September 2018

Half-price rates are available for daytime outreach programs scheduled for the month of September 2018.

## Fall Field Trip Special – September and October 2018

Reserved field trip admission rates are falling to \$3.25 per person for schools visiting during September and October 2018. Make your reservations early. (Regular field trip admission is \$6.50 per person.)

## Ring in the New Year! – January 2019

Schools visiting on a reserved field trip tour in the month of January 2019 will be admitted for a special admission of \$3.25 per person.

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

- Albrecht Family Foundation
- Ameren
- Boeing
- Carr Lane Manufacturing Company
- Edward Chase Garvey Memorial Foundation
- Emerson
- Employees Community Fund of Boeing
- Express Scripts Foundation
- 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

## World Traveler Gallery

Grades K – 5

Invite your students on an educational journey to study abroad! The Magic House's NEW **World Traveler Gallery** takes students on a 90-minute tour to discover the daily lives of children in other parts of the world. Students will experience immersive environments and compare similarities and differences between their lives and those of children in Kenya (September 25 – January 17) and China (February 5 – May 23).

## Forever Forest

Grades K – 2

Available September 25 through December 20, 2018

Students will discover how their lives connect to forests through the ways they live, work and play. **Forever Forest** features activities focused on forest life and sustainable harvesting; lumber transportation with a kid-sized replica of a Union Pacific engine and mini grapple skidders; a tree-top climber; and a mini home under construction.

*Produced by Omaha Children's Museum, and presented by Union Pacific and North American Wholesale Lumber Association.*

*Major sponsorship of Forever Forest is generously provided by Wells Fargo Advisors.*

## STEM Family Nights

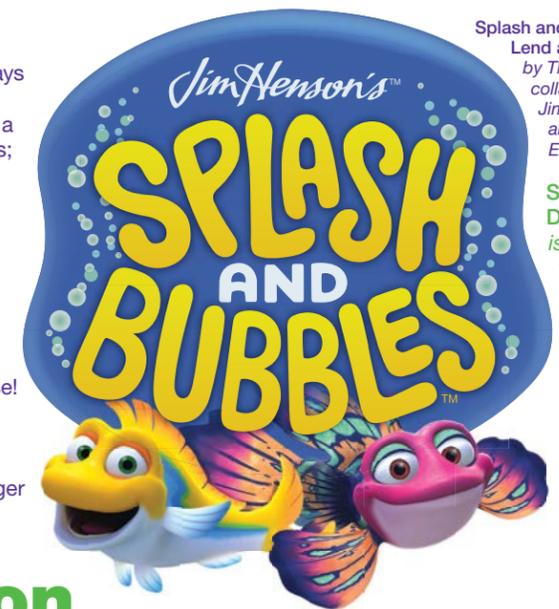
Schools are invited to host a STEM Family Night at The Magic House! STEM Family Nights offer exclusive use of the Museum including hands-on STEM activities conducted by Museum educators. STEM Family Nights can accommodate up to 500 visitors. Cost: \$6.50 per person, minimum of 150 children. Contact our special events manager at [specialevents@magichouse.org](mailto:specialevents@magichouse.org) to book your event.

## Splash and Bubbles: Dive In, Lend a Fin

Preschool – Grade 2

Available January 29 through May 10, 2019

Students will dive into the incredible world of ocean exploration as they visit the early childhood STEM exhibit, **Splash and Bubbles: Dive In, Lend a Fin!** Like the popular PBS Kids TV series, this unique exhibit builds science and social-emotional skills as students become Reef Town Rangers learning to protect the ocean and all its creatures. As they navigate through four different ocean habitats, students will make discoveries that build awareness and appreciation for the amazing diversity of life, both in the ocean and in their own communities.



*Splash and Bubbles: Dive In, Lend a Fin was developed by The Magic House in collaboration with The Jim Henson Company and Herschend Family Entertainment.*

*Splash and Bubbles: Dive In, Lend a Fin is made possible thanks to generous support from Tim and Elizabeth Swank and Graybar Foundation.*

# General Information

Education is at the heart of The Magic House's mission. The Museum offers a variety of hands-on experiences that encourage students of all ages to become 21st-century lifelong learners.



## Reservations

Reservations are required for all field trips, outreach programs and professional development workshops. For further information or to make a reservation, visit [www.magichouse.org/educators](http://www.magichouse.org/educators) or contact the Education Department at [educationinfo@magichouse.org](mailto:educationinfo@magichouse.org) or 314.288.2513.

## Standards

The content of all education programs at The Magic House aligns with the national and state academic standards identified in the **Next Generation Science Standards (NGSS)**; the **Grade Level Expectations** outlined by the Missouri Department of Elementary and Secondary Education (GLEs); and the **Missouri Early Learning Standards (MELs)**, as noted in program descriptions.

## School Field Trips

Plan a field trip experience your students won't forget! Magic House educators facilitate guided field trip experiences that not only support core academics but also encourage creative problem solving, communication and critical thinking skills.

- Field trips are offered throughout the school year, Tuesday through Friday and select Mondays during April and May.
- Regular field trip admission is \$6.50 per person for students and adults.
- A minimum of one adult chaperone is required for every five students.
- One teacher per classroom is admitted 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.

Two outreach program formats – **Interactive Presentations** and **Learning Lab Programs** – allow the Museum’s staff of traveling educators to bring STEM learning experiences to students. Outreach programs are offered throughout the year, including summer. Rates are determined by the program selection and number of sessions presented.

## Learning Lab Programs

**Learning Lab Programs** transform ordinary school environments into extraordinary science learning labs. These programs require 10 adult volunteers and space to accommodate 10 table-based learning stations. Schools may schedule up to three sessions per day. The same program must be presented at each session.

### Elementary

Program Cost: \$225 (one session)  
\$275 (two sessions)  
\$300 (three sessions)

Program Length: 50 minutes per session  
Size Limit: Maximum 50 students

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

### WaterWorks

Kindergarten – Grade 5

Explore the properties of water when you dive into this interactive investigation. Learn about water filtration, surface tension, water pressure, the impact of water on the environment and more.

### Saving the Great Outdoors

Grades 1 – 5

During this hands-on science program, the impact of human activity on the environment is emphasized as children learn about recycling, water filtration, oil spill clean-up and environmental science.

### Force and Motion

Grades 3 – 5

Newton’s laws come to life with this hands-on approach to learning the basics of force and motion. Experience the effects of friction and gravity on objects in motion. Explore contact and non-contact forces and the basics of inertia while discovering how potential and kinetic energy affect a marble’s average velocity.

### Simply Machines

Grades 3 – 5

Students discover how simple machines play a part in everyday life as they investigate wedges, screws, levers, inclined planes and the wheel and axle.

### Watt’s Up With Electricity?

Grade 3 – 5

The fundamentals of electricity and magnetism come to light in this program. Students create a working flashlight from a soda can, construct an electromagnet and become enlightened about electrical circuits.



## Outreach Special Discounts

### Outreach Special — September 2018

Half-price rates are available for all daytime outreach programs scheduled for the month of September 2018.

### Access for All Scholarships

Free outreach programs are available on a limited basis to schools that serve 50 percent or more free and reduced lunch students. Thanks to our generous donors who contribute to the Museum’s Access for All Scholarship program, The Magic House is able to provide these free learning experiences.

## Interactive Presentations

**Interactive Presentations**, delivered by a Magic House Museum educator, are designed for classroom or assembly settings depending on the size of the audience. 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)

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

### 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.

### 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.

### 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.

### Sounds With Seuss

Romp through the world of sounds based on *Dr. Seuss’ Mr. Brown Can Moo, Can You?* After the story, discover the secrets to sound and vibration.

### 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.

### A Little Bit of STEAM

This interactive program brings parents and children together after school for hands-on discovery while exploring basic science, technology, engineering, art and math activities.

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

*Thanks to generous grants from Ameren, Express Scripts Foundation and Mastercard, a limited number of qualifying school groups will participate in STEM-related outreach programs free of charge.*



### Elementary Science

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

Program Length: One hour

### Grades 1 – 5 (Classroom Program)

#### Binary, Bits and Bytes...Oh, My!

Unlock the mystery of binary code and explore how computers send and receive information using just 1s and 0s. Students will also learn the (not-so-secret) code to transform letters of the alphabet into binary numbers as they each make a binary code bracelet.

Size Limit: Maximum 25 students

### Grades 1 – 5 (Assembly Program)

#### Big Science

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

### Science Spectacular

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

### Show Me Science!

See the amazing power of air, celebrate your center of gravity and observe the shocking effects of electricity. This demonstration utilizes flying paper, chirping chicks and sinking soap to illustrate everyday physics.

Size Limit: Maximum 75 students

### Elementary Math

Program Cost: \$125 (one session),  
\$150 (two sessions),  
\$175 (three sessions)

Program Length: 45 minutes

### Measuring With Clifford

Kindergarten

Clifford went on vacation and left some of his belongings behind. Students explore measurement and use non-standard units of measure to figure length, circumference and capacity as they pack a box to send to Clifford.

Size Limit: Maximum 20 students

### Money With Clifford

Grade 1

Students learn about needs, wants and fair share as they identify and count money. Shopping in a pretend pet store completes this canine currency experience.

Size Limit: Maximum 30 students

# 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-PS2-1, K-PS3-1, K-ESS2-2, 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

# Early Childhood

## Wonder Works (Preschool & Kindergarten)

**Wonder Works** takes curious young minds and busy bodies on a learning adventure! In this immersive learning environment, children will expand their interest and increase their understanding of **science, technology, engineering, art and mathematics.**

Designed to support and nurture children's curiosity in their world, each one hour and 15-minute tour includes an hour in the hands-on exhibit area before moving to a classroom where a children's literature program is presented with accompanying hands-on learning activities designed to build basic skills.

*Thanks to generous grants from Ameren and Mastercard, a limited number of qualifying school groups will participate in this program free of charge.*

**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

## Hands-on Programs

September 4 - November 30, 2018

### The Little Raindrop

by Joanna Gray



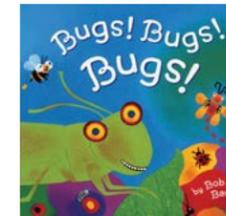
Join the Little Raindrop on an adventure through the water cycle! Fly through a rainbow, splash in a puddle, float down a river, and surf in the ocean before soaking up some sunshine to prepare for the next rainy day. Following the read aloud, little ones can enjoy a water-filled challenge.



December 4 – December 20, 2018

### 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!



January 8 – March 14, 2019

### Bugs! Bugs! Bugs!

By Bob Barner

Flutter on by to check out the hopping, creeping and buzzing insects and get to know the colorful world of bugs! This brightly colored book will introduce friendly crawlers to little readers. Wriggle into a bug-filled challenge following the story.



March 26 – May 23, 2019

### Plants Can't Sit Still

By Rebecca E. Hirsch

Plants may not have feet or wings, but that does not stop them from moving! Enjoy the beauty of many different plants in their natural habitats and learn why plants can't sit still. A challenge inviting little ones to explore plants and movement will follow the story.

## New Exhibits!

### Splash and Bubbles: Dive In, Lend a Fin

Available January 29 through May 10, 2019

Students will dive into the incredible world of ocean exploration as they visit the early childhood STEM exhibit, **Splash and Bubbles: Dive In, Lend a Fin!** Like the popular PBS Kids TV series, this unique exhibit builds science and social-emotional skills as students become Reef Town Rangers learning to protect the ocean and all its creatures. As they navigate through four different ocean habitats, students will make discoveries that build awareness and appreciation for the amazing diversity of life, both in the ocean and in their own communities.

*Splash and Bubbles: Dive In, Lend a Fin was developed by The Magic House in collaboration with The Jim Henson Company and Herschend Family Entertainment.*

*Splash and Bubbles: Dive In, Lend a Fin is made possible thanks to generous support from Tim and Elizabeth Swank and Graybar Foundation.*

### Nature Play

(opened seasonally)

Beginning at 10:30 am, students are invited to visit our newest outdoor education environment! At **Nature Play**, students build with rocks, sticks and other natural objects; walk and splash through a shallow creek bed and even make real mud pies in our outdoor play kitchen – all while discovering the wonders of nature. Reservations not required.

*This special exhibit is made possible with the support of The Mysun Charitable Foundation and Sugar Creek Donor Advised Fund.*

# Elementary

## Children's Village

In the **Children's Village**, an immersive learning environment sparks the imagination of students as they explore a child-sized city 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. Favorite Children's Village exhibits include the *Super Service Center, Pizza Parlor, Market, Walker Fishing Pond, Hospital, Bank, Electric Company* and *Pet Clinic*.

## Kindergarten – Grade 2

### Community Workers

Students explore the concept of community as they take on the roles of bankers, engineers, mechanics, doctors, nurses 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



## 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

*Thanks to a generous grant from Wells Fargo Advisors, a limited number of qualifying school groups will participate in this program free of charge.*

### Professional Development

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 26 6:00 to 8:00 pm  
 October 2 6:00 to 8:00 pm

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

*Thanks to a generous grant from Wells Fargo Advisors, a limited number of qualifying teachers will participate in this program free of charge.*

# Classic Magic House

During **Classic Magic House** field trip programs, students will discover dozens of exciting and challenging hands-on exhibits. The adventure begins with the **exploration of math, magnetism, shadows, sound, the power of air** and more than 50 other exhibits that **enhance creativity, critical thinking, problem solving and scientific literacy.**

Every two-hour program includes an exploration of the Museum's three floors of interactive exhibits. Favorite Classic exhibits include the *Math Path, Electrostatic Generator, Bubble Room, Shadow Wall, Pulleys* and three-story *Super Slide*.

*Thanks to generous grants from Ameren and Mastercard, a limited number of qualifying school groups will participate in these program free of charge.*

## Kindergarten – Grade 2

### Forever Forest

Available September 25 through December 20, 2018

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### Splash and Bubbles: Dive In, Lend a Fin

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## Grades 3 – 5

### Bright Ideas

This exploration of electricity and magnetism features a visit to a Museum classroom where students will participate in electrifying activities! Included is an investigation of conductors, insulators and circuits. Students will light up as they make their own working switches, electronic games, magnet mazes and transform ordinary pencils into magic wands. This program enables students to explore the processes of scientific inquiry and learn firsthand about the forces that power our world.

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 2018

It is better to give than to receive. During November 2018, 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.

# World Traveler Gallery

Invite your students on an educational journey to study abroad, no passport required! The Magic House's **NEW World Traveler Gallery** takes students on a 90-minute tour introducing them to a diverse culture and an opportunity to discover the daily lives of children in other parts of the world. Students will experience immersive environments, compare similarities and differences, then draw knowledge about children across the globe!

Thanks to a generous grant from the Employees Community Fund of Boeing, The Kent Family Foundation and the Union Pacific Foundation, a limited number of qualifying school groups will participate in this program free of charge.

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

## Kindergarten – Grade 5



### Kenya's Kids

Kindergarten – Grade 5  
Available through January 17, 2019

This fall, encourage your students' global literacy skills with a trip to Kenya! During a visit to **Kenya's Kids**, students will discover what life is like for children in Kenya today, a country both technologically-advanced and filled with longtime traditions. From exploring a Kenyan home and school, to learning about the country's advanced mobile-based financial system at an outdoor market, to taking on the role of a national reserve ranger or elephant orphanage keeper, students will compare and contrast the similarities and differences between their lives and those of children in the East African country of Kenya.

Kenya's Kids was created in partnership with the St. Louis Kenyan community and is generously made possible by the Crawford Taylor Foundation and The Dana Brown Charitable Trust, U.S. Bank Trustee.



### Children's China

Kindergarten – Grade 5  
Available beginning February 5, 2019

This spring, take a field 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, to exploring a contemporary classroom, six engaging and immersive settings bring the Chinese culture to life. **Children's China** integrates the time-honored teachings of Confucius, China's great teacher, with a focus on the importance of education and family values.

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.



# Design Challenge

Whether constructing a skyscraper or creating an electric circuit, budding inventors will hone their problem-solving skills as they participate in, and learn more about, the **design thinking process**. Through a process of creating, testing and recreating, students will experience STEAM subjects as they participate in a discovery process to solve open-ended problems. By tapping into student's natural curiosity, the Design Challenge field trip allows students to get hands-on as they solve grade-level specific challenges.

Each one hour and 30-minute program includes an exclusive exploration of the *Make-It Workshop*, *Art Studio* and *Future Play*, and a grade level-specific program.

## Grades 3 – 5

### 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.

GLEs: 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

**Grades 4 – 5**  
Go wireless! Create a circuit using household objects, anything but wire, to light an LED bulb.

GLEs: 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



# Star-Spangled Center

**Star-Spangled Center** field trip programs includes a visit to the **Oval Office, Legislative Chamber and Courtroom**. These interactive environments offer an opportunity to explore the principles of the republic and the three branches of government – of the people, by the people and for the people. Focusing on civic literacy, students take on the roles of **Executive, Judicial and Legislative** officials acting out governmental processes, including an activity exhibiting how our court system provides for peaceful resolutions of disputes. This engaging experience will turn students into educated young citizens!

Each one hour and 30-minute program includes an exclusive exploration of the exhibit space and a grade level-specific program. Favorite *Star-Spangled Center* exhibits include *Famous Phrases*, *You Can Be President Too*, *Sign the Declaration* and the *Liberty Bell*.

Thanks to a generous grant from the Edward Chase Garvey Memorial Foundation, a limited number of qualifying school groups will participate in these civic education 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. 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 for a bill, to discussion, 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