

**The Magic
House**[®]
St. Louis Children's Museum

516 S. Kirkwood Road
St. Louis, MO 63122

NONPROFIT ORG.
U.S. POSTAGE
PAID
ST. LOUIS, MO
PERMIT NO. 509

2017 - 2018

Education Program Guide



Schedule your field trip today!

The Magic House
St. Louis Children's Museum

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, please contact the Education Department at educationinfo@magichouse.org or call 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 **Common Core Standards for Language Arts and Math** (CCSS); 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.

Access for All Scholarships

Free field trips, outreach programs and other learning opportunities are available on a first-come, first-served basis to qualifying schools and organizations through our **Access for All** initiative and donors to The Magic House.

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

- Albrecht Family Foundation
- Boeing
- Carr Lane Manufacturing Company
- Employees Community Fund of Boeing
- Edward Chase Garvey Memorial Foundation
- Mary Ranken Jordan and Ettie A. Jordan Charitable Foundation
- Mastercard
- Target
- Trio Foundation of St. Louis
- Union Pacific Foundation
- Wells Fargo Advisors
- Jody Trombley Young

Table of Contents

Early Childhood Field Trips	2
Elementary Field Trips	4
Children's Village	4
Star-Spangled Center	5
Classic Magic House	6
Design Challenge	6
Professional Development	7
Outreach Programs	8

What's New

Traveling Exhibits

Dinosaur Train: The Traveling Exhibit

Preschool through Grade 2

Available October 10, 2017 through November 17, 2017 and April 3, 2018 through May 12, 2018

All aboard the **Dinosaur Train**! Based on The Jim Henson Company's popular PBS KIDS TV series, **Dinosaur Train: The Traveling Exhibit** transports students back to the time of dinosaurs to unearth basic concepts in life science and natural history. Throughout the experience, children will learn about the three time periods of the Age of the Dinosaurs as well as explore the science of paleontology, basic math skills and science vocabulary.

Dinosaur Train: The Traveling Exhibit is made possible thanks to generous support from **Bill and Sally Canfield, Graybar Foundation, Monsanto Fund, the PNC Foundation, and Tim and Elizabeth Swank.**

Dinosaur Train: The Traveling Exhibit was created by **The Magic House®** in collaboration with **The Jim Henson Company.** Dinosaur Train TM & © 2017 The Jim Henson Company. All Rights Reserved.

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



TM & © 2017 The Jim Henson Company. All Rights Reserved.

Towers of Tomorrow with LEGO® Bricks

Grade 1 through Grade 5

Available December 6, 2017 through February 17, 2018

The sky's the limit! Future engineers will be inspired by **Towers of Tomorrow with LEGO® Bricks** featuring astonishing skyscrapers from North America, Asia and Australia constructed with breathtaking architectural detail and accuracy by the Southern Hemisphere's only certified LEGO professional, Australia's Ryan McNaught. Limited only by their imaginations, students will create their own 'towers of tomorrow' with over 200,000 loose LEGO bricks. Classmates will work together to add to a steadily rising futuristic LEGO metropolis inside the exhibit.

Thanks to a generous grant from the **Edward Chase Garvey Memorial Foundation**, a limited number of qualifying school groups will participate in this program free of charge.

Field Trip & Outreach Programs

Design Challenge in the STEAM Center

Elementary Field Trip Program – Grade 3 through Grade 5



It's the ultimate DIY experience for students! Budding inventors will tackle design challenges featuring grade-specific STEAM projects, from constructing a skyscraper to creating an electric circuit. Integrating problem-based learning and design thinking, students will actively learn about a subject through the experience of solving an open-ended problem.

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 project.

Backyard Bugs

Outreach Program – Preschool

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

From Stories to STEM

Professional Development Workshop – Preschool through Grade 2

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.

Early Childhood

Preschool & Kindergarten Field Trip Programs

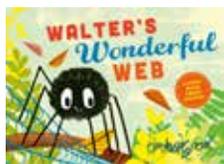
The Magic House offers a variety of age-appropriate hands-on preschool and kindergarten programs designed to link literacy to STEAM concepts, encouraging the development of essential early-learning skills.

Wonder Works

Wonder Works takes curious young minds and busy bodies on a **STEAM** 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 program 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.

Hands-on Literacy Programs



September 1 – November 30, 2017

Walter's Wonderful Web

by Tim Hopgood

Welcome to the wonderful adventure of Walter, a charming arachnid, determined to spin a shape-strong, wind-proof web. Walter experiments, perseveres and gets the job done, resulting in a creation of geometric genius! Activities sure to weave shape-savvy smarts into our youngest visitors will complete the visit!

THE MAGIC HOUSE MOUSE



December 1 – December 15, 2017

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!

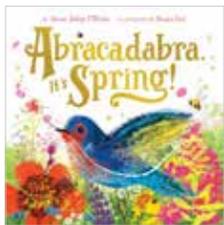


January 9 – March 8, 2018

Best in Snow

by April Pulley Sayre

An attention-grabbing celebration of snowfall calls curious children to take a closer look at winter's frosty blanket covering forests, fur and feathers! After the read-aloud, youngsters will shiver with excitement as they enjoy an exploration of this flakey season!



April 3 – May 24, 2018

Abracadabra, It's Spring!

by Anne Sibley O'Brien

"When the cold of winter gives way to the warmth of spring, there's magic in the air!" Bright illustrations and lyrical text set the stage for an exploration of nature's surprises! Activities inviting little ones on a sensory path of springtime discovery will follow the story.

Early Childhood Special Discounts

Fall Field Trip Special – September and October 2017

Reserved field trip admission rates are falling to \$3.00 per person for schools visiting during September and October 2017. Make your reservations early before this good buy sells out. (Regular field trip price is \$6.00 per person.)

Access for All Scholarships

Free field trip programs are available on a limited basis to Title 1 schools and 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.

New Traveling Exhibit

Dinosaur Train: The Traveling Exhibit

Preschool through Grade 2

Available October 10, 2017 through November 17, 2017 and April 3, 2018 through May 12, 2018

All aboard the **Dinosaur Train**! Based on The Jim Henson Company's popular PBS KIDS TV series, **Dinosaur Train: The Traveling Exhibit** transports students back to the time of dinosaurs to unearth basic concepts in life science and natural history. Throughout the experience, children will learn about the three time periods of the Age of the Dinosaurs as well as explore the science of paleontology, basic math skills and science vocabulary.

Dinosaur Train: The Traveling Exhibit is made possible thanks to generous support from **Bill and Sally Canfield, Graybar Foundation, Monsanto Fund, the PNC Foundation, and Tim and Elizabeth Swank.**

Dinosaur Train: The Traveling Exhibit was created by The Magic House® in collaboration with The Jim Henson Company. Dinosaur Train TM & © 2017 The Jim Henson Company. All Rights Reserved.

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



Elementary

Elementary Field Trip Programs

Plan a field trip experience your students won't forget! The Magic House educators, all certified teachers, 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 December, April and May.
- Regular field trip admission is \$6.00 per person for students and adults.
- One teacher per classroom is admitted free of charge.
- A minimum of one adult chaperone is required for every five students.

Children's Village

Elementary (Kindergarten through Grade 5)

In the *Children's Village*, an immersive learning environment sparks the imagination of 21st-century learners as they explore a child-sized city that provides a world of learning opportunities in **math, science, literature, social studies, financial literacy** and more.

Each one hour and 30-minute program includes an 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, Electric Company, Bank* and *Pet Clinic*.

Field Trip Programs

Community Workers

Kindergarten through Grade 2

Students explore the concept of community as they take on the roles of bankers, electricians, mechanics, librarians and other community members. After students visit the *Children's Village*, Museum educators will guide them in creating a model community of their own, determining what roles and institutions are necessary for it to function. They 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 4A; Institutions and Traditions 6A, 6B

Money Doesn't Grow on Trees

Grade 2 through Grade 5

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 on September 28 or October 4, 2017 is a prerequisite for teachers new to the program.

GLEs: Social Studies 2-3: Economic Principles 4A Mathematics 2-3: Measurement 1D
CCSS: Language Arts: MD.K-2.8

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



Elementary Special Discounts

Money Doesn't Grow on Trees – September 28 and October 4, 2017

This fall 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 the classroom. Attendance at the FREE teacher workshop grants each teacher a FREE field trip!

Sponsored by **Wells Fargo Advisors**

Fall Field Trip Special – September and October 2017

Reserved field trip admission rates are falling to \$3.00 per person for schools visiting during September and October 2017. Make your reservations early before this good buy sells out. (Regular field trip price is \$6.00 per person.)

Kids CAN Help – November 2017

It is better to give than to receive. During November 2017, students and adults who donate a can of food will receive FREE admission when visiting on a reserved **Classic Magic House** field trip program. All canned foods will be donated to the St. Louis Area Foodbank.

Ring in the New Year – January 2018

Schools visiting on a reserved field trip program during January 9 – 29, 2018 will be admitted for a special admission rate of \$3.00 per person.

Star-Spangled Center

Elementary (Grade 1 through Grade 5)

Star-Spangled Center field trip programs include visiting the **Oval Office, Legislative Chamber and Courtroom**. These interactive environments offer students the opportunity to learn about the three branches of government – of the people, by the people and for the people. Focusing on civic literacy, students are invited to take on the roles of **executive, judicial and legislative** officials acting out governmental processes. This engaging experience is sure to 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*. Last but not least, each visitor on a Star-Spangled Center field trip is challenged to conquer the ever-popular *Jack and the Beanstalk Climber*!

Thanks to a generous grant from the Trio Foundation of St. Louis, a limited number of qualifying school groups will participate in these civic education programs free of charge.

Field Trip Programs

Majority Rules!

Grade 1 through Grade 3

Exercise your right! Active citizens-in-training will explore one of our most important rights and responsibilities as they register to vote, cast their votes and evaluate election results on issues that matter to kids! An investigation of our mini-Oval Office and the United States presidency, along with participation in an engaging courtroom activity, will demonstrate democracy in action and help students make connections between the legislative, executive and judicial branches of government.

GLEs: Social Studies 1-3: Governance Systems 3B; Principles of Democracy 1B
CCSS: Language Arts: SL.1-3.1, SL.1-3.2, SL.1-3.3

Law or No Law

Grade 3 through Grade 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 United States 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; it is sure to have all students learn how our laws are made. Students will also have a chance to act out their very own mock trial, where their teacher serves as the judge.

GLEs: Social Studies 3-8: Principles of Democracy 1A; Governance Systems 3B, 3C
CCSS: Language Arts: SL.3-8.1, SL.8.3



Classic Magic House

Elementary (Grade 1 through Grade 5)

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 and an educational program of your choice. Available programs include an investigation of electricity, a journey through the *Math Path* and a visit to the traveling exhibit. Favorite Classic exhibits include the *Math Path*, *Electrostatic Generator*, *Bubble Room*, *Shadow Wall*, *Pulleys* and three-story *Super Slide*.

Field Trip Programs

Bright Ideas

Grade 1 through Grade 5

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
CCSS: Language Arts: RI.2-6.3, RI.2-6.9
NGSS: Physical Science 3.B

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

New Traveling Exhibit

Towers of Tomorrow with LEGO® Bricks

Grade 1 through Grade 5

Available December 6, 2017 through February 17, 2018



The sky's the limit! Future engineers will be inspired by *Towers of Tomorrow with LEGO® Bricks* featuring astonishing skyscrapers from North America, Asia and Australia. These models are constructed with breathtaking architectural detail and accuracy by the Southern Hemisphere's only certified LEGO professional, Australia's Ryan McNaught. Limited only by their imaginations, students will create their own 'towers of tomorrow' with over 200,000 loose LEGO bricks. Classmates will work together to add to a steadily rising futuristic LEGO metropolis inside the exhibit.

Thanks to a generous grant from the Edward Chase Garvey Memorial Foundation, a limited number of qualifying school groups will participate in this program free of charge.

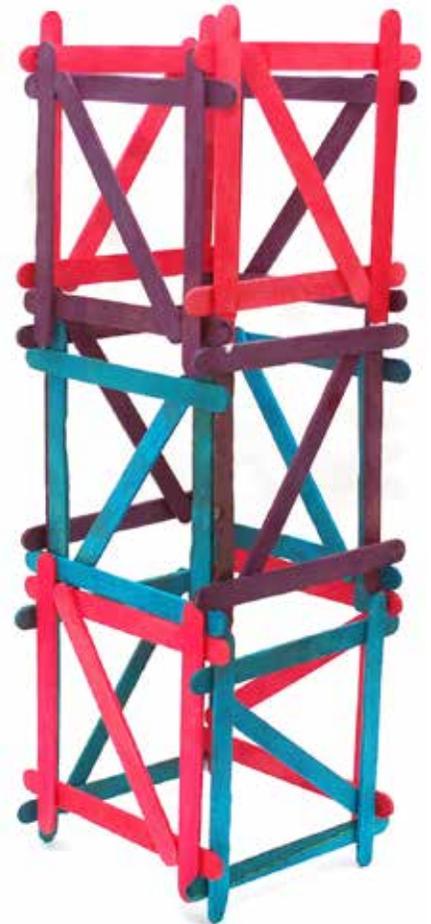
Design Challenge

Elementary (Grade 3 through Grade 5)

It's the ultimate DIY experience for students! Budding inventors will tackle design challenges featuring grade-specific STEAM projects, from constructing a skyscraper to creating an electric circuit. Integrating problem-based learning and design thinking, students will actively learn about a subject through the experience of solving an open-ended problem.

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.

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: Grade 3: 3-5.ETS1-1, 3-5.ETS1-2, 3-5.ETS1-3, ETS1.A, ETS1.C, ESS3.B, S1, S2, S3, S6, S7
Grades 4 and 5: 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



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.

Workshops

NEW! – From Stories to STEM

Preschool through Grade 2

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.

Workshop Cost: \$300 per session
Size Limit: Maximum 50 teachers

Workshop Length: Two hours

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
CCSS: RL.K.1, RL.1.2, RL.1.3, RL.2.1, RL.2.3, K.MD.A.1, 1.MD.A.1, 2.MD.A.1

Full STEAM Ahead

Preschool through Kindergarten

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.

Workshop Cost: \$300 per session
Size Limit: Maximum 50 teachers

Workshop Length: Two hours

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
CCSS: Math K.CC.A.1, K.CC.A.2, K.CC.A.3, K.CC.B.4, K.CC.B.5, K.CC.C.6, K.OA.A.1, K.MD.A.1, K.MD.A.2, K.MD.B.3, K.G.A.1, K.G.A.2, K.G.A.3, K.G.B.4, K.G.B.5, K.G.B.6
NGSS: K-PS2-1, K-PS2-2, K-PS3-1, K-PS3-2, K.ESS2-2, K.ESS3-1, K-2-ETS1-1, K-2-ETS1-2K-2-ETS1-3

Storytime: The Next Chapter

Preschool through Grade 2

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.

Workshop Cost: \$300 per session
Size Limit: Maximum 50 teachers

Workshop Length: Two hours

NGSS: Earth Space Science 2.C, 3.A; Life Science 1.A, 1.B, 2.C, 4.C; Physical Science 1.B, 4.A
CCSS: Counting and Cardinality K.CC.1, K.CC.4, K.CC.5; Operations and Algebraic Thinking K.OA.1; Number and Operations in Base Ten 1.NBT.2, 1.NBT.3; Measurement and Data K.MD.1, K.MD.3, 1.MD.1, 1.MD.4; Geometry K.G.1, K.G.2, 1.G.3
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

A Little Bit of Science

Preschool

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.

Workshop Cost: \$300 per session
Size Limit: Maximum 50 teachers

Workshop Length: Two hours

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

Preschool

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!

Workshop Cost: \$300 per session

Workshop Length: Two hours

Size Limit: Maximum 50 teachers

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.

Money Doesn't Grow on Trees

Grade 2 through Grade 3

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 28	6:00 to 8:00 pm
October 4	6:00 to 8:00 pm

GLEs: Social Studies 2-3: Economic Principles 4A Mathematics 2-3: Measurement 1D

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

Outreach Programs

Can't bring your class to The Magic House? Let us come 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 STEAM 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.

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

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

Program Length: 30 minutes per session

Size Limit: Maximum 20 students

NEW! – 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 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

Elementary

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

Program Length: One hour

Seuss on the Loose

Kindergarten

Learn all about the author who has enchanted generations of children, join in a rhyming game and create a silly Seuss-like story. This interactive literacy-based program is designed to help children read, rhyme and recognize simple words.

Size Limit: Maximum 60 students

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

Grade 1 through Grade 5

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

Big Science

Grade 1 through Grade 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

Science Spectacular

Grade 1 through Grade 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

Show Me Science!

Grade 1 through Grade 5

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

Thanks to generous grants from Mastercard and Jody Trombley Young, a limited number of qualifying school groups will participate in STEM-related outreach programs free of charge.

Math Interactive Presentations

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

Outreach Special Discounts

Outreach Special — September 2017

Half-price rates are available for all daytime outreach programs scheduled during the month of September 2017.

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.

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 through 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

Grade 1 through Grade 5

In 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

Grade 3 through Grade 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.

Thanks to generous grants from Mastercard and Jody Trombley Young, a limited number of qualifying school groups will participate in STEM-related outreach programs free of charge.

Simply Machines

Grade 3 through Grade 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 through Grade 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.

