

## Reserve Your Field Trip Today!



All programs and workshops can be adapted to fit any grade level, special needs or interest. All programs are designed to follow State of Missouri Grade Level Expectations.

### Field Trip Times

Tuesday—Saturday 10:00am—4pm  
Monday for groups of 80 or more by appointment

### Field Trip Fees

Field Trip w/ Program  
\$5 per student, adult chaperones are free

Field Trip w/o Program  
\$4 per student, adult chaperones are free

15 student minimum for all field trip pricing

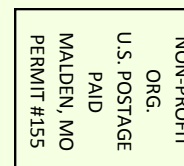
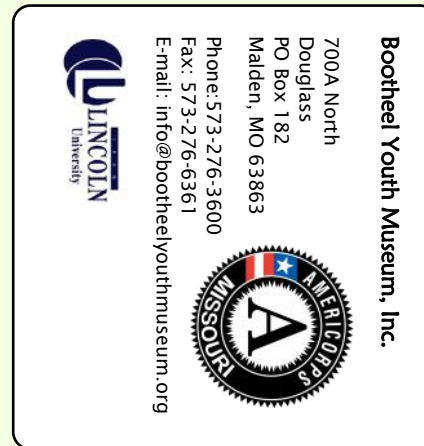
**Traveling Museum** - Interested in having a workshop or assembly at your school?  
Prices start \$1 per student

**Making your reservations:** All field trips and programs require advance registration. When you call, please have the following information ready:

- Name of the program you are reserving
- Preferred dates
- Desired time
- Number of students, grade or age group
- Contact name, telephone, and mailing address

Call for more information: (573) 276-3600.

Scout Groups, Youth Groups and Youth Organizations are Welcome!



## Field Trip Specials!

Programs and Workshops  
Presented by the

### Bootheel Youth Museum

Field Trip Specials Include:

- ⇒ Self Guided Exploration of the Museum
- ⇒ Hands-on Workshop or Program
- ⇒ State Standards Alignment



## Plan Your Trip Today!

{ [www.bootheelyouthmuseum.org](http://www.bootheelyouthmuseum.org) }



# Field Trip Workshops and Programs

Educational content is modified by Grade Level Expectations. For a list of GLE's for a specific workshop, please contact the museum director at 573-276-3600

**Science Relay** - Participants complete a variety of hands-on experiments exploring polymers, aerodynamics, density and viscosity, sound waves, Newton's Laws of Motion and much more.  
1<sup>st</sup> – 12<sup>th</sup> grades

**Pond Science** - "What is it?" "What does it have to do with me?" Children ages six to eight will be exploring at the BYM pond to learn about classifying natural objects.  
1<sup>st</sup> – 3<sup>rd</sup> grades



**Bend the Light** - Students will explore how light travels, make a camera obscura out of household materials and much, much more.  
1<sup>st</sup> – 6<sup>th</sup> grades

**Paper Airplane Aerodynamics** – Fold, test and fly a variety of paper airplanes and learn about aerodynamics. Airplanes can have different maneuverability qualities.  
4<sup>th</sup> – 12<sup>th</sup> grades

**Historical/Fictional Puppets** – Make puppets which represent a favorite historical figure. We'll teach your students how to make fun and interesting puppets. The puppet can represent historical figures or favorite characters from literature.  
4<sup>th</sup> – 7<sup>th</sup> grades

**Simple Machines** – What helped build the pyramids and the Great Wall of China? Levers, pulleys, gears, wheels and incline planes did and are still a part of everyday life. We'll explore simple machines by using Legos and items found in most homes.  
5<sup>th</sup> – 9<sup>th</sup> grades

**Making Tracks with Lewis and Clark** – This introduction to the journals of Lewis and Clark and the story of the members of the *Corps of Discovery* explores the tools of the expedition and the encounters they had along the way.  
5<sup>th</sup> – 12<sup>th</sup> grades

**What's up with Small Stuff** - What is a nano? How big is a nano? Learn how small things act differently than big things. Learn and explore our world on the nano level.  
1<sup>st</sup> – 6<sup>th</sup> grades

**Rocket Science Without the Boom** – Using Sir Isaac Newton's three laws of motion, we'll explore the principals of practical rocketry. These laws explain how rockets work and how to make them more efficient.  
4<sup>th</sup> – 9<sup>th</sup> grades

**Shocking Science** – Static electricity is a phenomenon that most of us have experienced through sight, touch or feel. Participants explore the laws of attraction and repulsion and the love-hate relationship between electrons and neutrons.  
K – 8<sup>th</sup> grades

**Bird House Building** - In North America eighty-five species of birds nest in cavities, and there is competition for natural holes in tree trunks. Learn about bird habitats and construct a birdhouse.  
1<sup>st</sup> – 12<sup>th</sup> grades

**Goopy Science** - Explore non-Newtonian fluids with the help of Dr. Seuss and his book *Bartholomew and the Oobleck* as your guide. Learn how to make up to three types of goopy fluids and learn why certain fluids break Newton's Law of Viscosity.  
1<sup>st</sup> – 6<sup>th</sup> grades

**Science Chef: Acid and Bases** - The BYM Science Chef teams up with AmeriCorps in producing a fun filled hands-on exploration of acids and bases. This is a great starter activity for developing an interest in basic chemistry.  
1<sup>st</sup> – 6<sup>th</sup> grade

**Puppetry and the Simple Machine** – Many puppeteers use levers and pulleys to control the movements of their puppets. These controls allow the puppet to move. Students will make and decorate one or more puppets that have movable parts. This program can be adjusted for younger audiences (K – 3<sup>rd</sup> grades).  
3<sup>rd</sup> – 12<sup>th</sup> grades

**Newton's Workshop** – Explore Isaac Newton's theories. Use balls and tracks to build a series of constructions that display force and motion. Additionally students have a chance to discover how Newton used



optical devices to prove some of his theories.  
5<sup>th</sup> – 8<sup>th</sup> grades



**The Senses** – "Did you hear that?" "Did you see that?" "Wow! This feels cold!" Students discover how our bodies perceive the world through an exploration of the five senses. Touch, sound, sight, taste, and smell are explored in this workshop.  
Pre K – 2<sup>nd</sup> grades

**Astronomy from the Ground Up** – Our galaxy is a very exciting and complex system. Students will be introduced to the basic concepts of astronomy and cover topics about the solar system, Moon phases, comets, and orbits.  
3<sup>rd</sup> – 8<sup>th</sup> grades

**Earthquake Science** - Using the Great New Madrid Earthquakes of 1711-1712 this workshop explores the history of ground movement in Southeast Missouri and why earthquakes happen.  
1<sup>st</sup> – 6<sup>th</sup> grade

Free courtesy of **StateFarm**

## New Additions

**Pass the Bubble(s) Please** - Students will explore the thinnest substance a human eye can perceive. They will stick a pencil through a bubble without popping it and make bubbles with CO<sub>2</sub>. Bubble science is fun, exciting and sure to make every little scientist giggle and smile.  
Pre K – 6<sup>th</sup> grades

**Exploration Egypt** – The weird and wacky world of mummies, Pharaohs, and gods and goddesses will be explored through a variety of hands-on activities. For good measure we'll even throw in a little geography and science.  
4<sup>th</sup> – 6<sup>th</sup> grades

**The Three Little Pigs and Their Cousin, Shaken-Bacon** – The Three Little Pigs and their cousin Shaken-Bacon encounter a series of earthquakes that threaten their homes and community. This program includes an assembly followed by hands-on activities which help children learn about earthquake science and preparation.  
Pre K – 4<sup>th</sup> grades