

FIELD TRIPS

EXPLORE

MORE

art

math

history

science

literature

economics

agriculture

**EXPLORE MORE
DISCOVERY MUSEUM**



Sponsored by **Harrisonburg Pediatrics**

Inquiry-Based Science Curriculum
Made possible by **The Merck Foundation**



Learn by Playing

Free Explore Trips: \$4.00 per student

Focused Field Trips: \$5.00 per student

- ✓ Adult chaperones (1 per 5 children) are free.
- ✓ Focused trips have a minimum charge of \$70.00.
- ✓ There is no need to bring cash or check with you on the day of the trip. Explore More will invoice your school for the full amount of the trip.
- ✓ Fees are applicable, regardless of membership.
- ✓ Field trip cancellations must be made at least 10 days before the scheduled trip.*

A 20% cancellation fee may be applied after that time (excludes inclement weather).

* Due to limited availability, the museum will assess a 20% cancellation fee to any school that cancels a "Weather Watchers" trip at any time, for any reason other than inclement weather.

Reservations:

To reserve a field trip, contact us at 540-442-8900 or email your inquiry to fieldtrips@iExploreMore.com.

Please provide the following information:

1. School name
2. Name and phone number/email of teacher in charge of group
3. Grade level and number of children
4. Preferred dates and times you wish to come (3 choices). Morning trips begin at 9:30 AM and afternoon trips begin at 12:00 PM.
5. Preferred focus (see options by grade level).

Note: Explore More can comfortably accommodate up to 45 children or 2 classes at a time. Larger groups will need special permission.

Once your reservation has been received, we will e-mail confirmation and specifics to help plan your trip.

Field Trip Options

The Explore More Discovery Museum is a great place for your students to *explore* a variety of subjects. Interactive experiences ensure that students internalize concepts while having fun! There are two options:

1. Free Explore Trips are for preschool groups or other school groups that wish to have a self-guided experience. Free explore trips are scheduled in 1.5 hour blocks of time.

2. Focused Field Trips are for students in grades K - 4 and are scheduled in 2 hour blocks of time. Students spend approximately half the time exploring a focus subject and half the time exploring the museum on their own.

The following is a schedule of SOL-based learning opportunities organized by grade level.

Preschool

Free Exploration

Free exploration field trips are a great option for preschool students. Hands-on exhibit areas include: Down on the Farm, Super Service Center, Creative and Performing Arts, *CK's Kitchen*, *WHSV TV-3* Weather Center, *Merck Science Lab*, Friendly City Health Center and more!

"Apple"icious, Nutritious Market

Adventure! Following a dramatization of Marjorie Priceman's book, *How to Make an Apple Pie and See the World*, students will explore nutrition and world culture through hands-on activities. How important are food choices? Where's Sri Lanka? Don't miss this unique offering!

Happy Habitats After reading Annie Mazer's book *The Salamander Room*, we'll learn the basic necessities all living things require to survive. Working together, students will create the perfect habitat for one of the museum's animal friends!

Kindergarten

Free Exploration

Free exploration field trips are a great option for kindergarten students. Hands-on exhibit areas include: Down on the Farm, Super Service Center, Creative and Performing Arts, *CK's Kitchen*, *WHSV TV-3* Weather Center, *Merck Science Lab*, Friendly City Health Center and more! While students are engaged in creative play and exploration, you can be assured that they are reinforcing many SOL objectives!

Water, Water Everywhere

Explore Earth, the water planet, and learn more about the properties of H₂O. Through experimentation, students will discover the principles of floating and sinking while problem-solving to construct their own boats that float! SOLs: Science K.1, K.5

Economics of the Farmer's Market

Children will investigate their roles as consumers and discover the importance of spending their money wisely as they explore the difference between wants and needs. Using real money, they will have the opportunity to make economic choices as they "shop" for produce in the market. SOLs: Social Studies, K.7, Math K.6, K.7

Measurement Matters

Measure once, measure twice! Using standard and non-standard units, students will experiment with a variety of measurement tools as they sort objects by length and weight, chart data, make comparisons and draw conclusions. Why is accuracy so important when measuring? Student groups will experience this first-hand as they create their own scientific concoctions. SOLs: Math K8, K10; Science K-1a, K-1d, K-1f, K-4

First Grade

Economics of the Farmer's Market

This literature-based lesson will help children understand the concepts of goods, services, needs, wants and the importance of saving. Students will put together their own "save and spend" banks and learn how to make good economic choices. SOLs: Soc. Studies 1.7, 1.8, 1.9, Math 1.10

Design and Build - Three Billy Goats Gruff

Who can engineer the strongest bridge? Students will help the Three Billy Goats Gruff find greener grass as they engineer a safe way to cross the stream. Imagination, teamwork, measuring and math skills will come into play in this fun-filled trip. SOLs: Math 1.5, 1.12, 1.20 English 1.1

Make it Move!

Students will investigate the world of motion as they balance shapes, make spinning tops and figure out how to make things roll. Science and math couldn't be more fun! SOLs: Math 1.15, 1.18, 1.20; Science 1.1, 1.2

Third Grade

Pebbles, Sand and Silt

Our whole world is made of rocks and soil. Students will get their hands dirty as they discover that rocks come in many different shapes and forms and that pebbles and sand are the same material, just different sizes. SOLs: Math 3.14, 3.21, 3.22; Science 3.3a, 3.3c, 3.7, 3.10

Simple Machines

Why are simple machines so important, and how do they help us? Students will discover the answer to these and many other questions as they construct examples of simple machines and put them to use. SOLs: Science 3.1, 3.2, Math 3.21

Economics of the Farmer's Market

During this literature-based lesson, students will explore the concepts of specialization, goods, services, and natural, capital and human resources. They will also calculate and spend money in the museum Farmer's Market and learn about opportunity cost. SOLs: Social Studies 3.7, 3.8, 3.9, Math 3.9, 3.12, 3.13

Second Grade

Weather Watchers

Weather patterns and seasonal changes affect plants, animals and the environment. Students will investigate migration, camouflage, hibernation, and dormancy. This trip is a partnership with WHSV TV-3 and includes instructional time with a meteorologist. SOLs: Science 2.6, 2.7 English 2.8

Economics of the Farmer's Market

Examine the differences between natural, capital and human resources. Students will explore the concept of bartering through hands-on activities and will also have a chance to shop in the museum Farmer's Market. SOLs: Social Studies 2.7, 2.8, 2.9 Math 2.11

What's the Attraction?

Find out how much fun the world can be when you think like a scientist! Students will discover the power of magnets through hands-on investigations into such concepts as magnetic fields, attraction and repulsion, force, north and south poles, and the magnetic compass. SOLs: Science 2.1, 2.2

Fourth Grade

Weather Watchers

This trip is a partnership with WHSV TV-3 and includes instructional time with a meteorologist. Students will learn about instruments used to collect weather data while conducting experiments and exploring various weather conditions (clouds, fronts, storms). SOLs: Science 4.6

It's Electric!

How does electricity work? This offering provides hands-on experiences in making circuits (open/closed, parallel/series) and other elements of electricity. SOLs: Science 4.3

Flower Power

Learn about the structures of a plant and its lifecycle through hands-on examination of live plants. Students will also discover the function of individual flower parts as they dissect a blossom and examine what's inside. SOLs: Science 4.4

Interactive Exhibits

Friendly City Health Center: Learn more about the amazing human body in this exhibit that features a full-size ambulance and Operation Game table. SOLs: Science K.2, K.6, 1.5; Health 2.1, 3.1, 3.2, 4.5

Construction Zone: Build small, build big with *KEVA** planks. What's the key to a sturdy structure? Discover it here! SOLs: Math K.10, K.13, K.17, 1.20, 2.21, 2.25, 3.24, 4.13, 4.21, 5.11; Science 3.2, 4.3

Down on the Farm: Explore the Big Red Barn. Learn how food goes from seed to table. Enter the world of economics at the Farmer's Market where you'll find just what you need to invent your own recipes in *CK's Kitchen*. SOLs: Math K.6, K.7, K.8, K.10, K.14, K.17, 1.10, 1.20, 1.21, 2.11, 3.13; Science K.6, K.7, 1.5, 1.7; English K.1, 1.1, 1.2, 1.5, 1.12

Virginia Theater: All the world's a stage when you enter this exciting area! Recreate your image with real stage makeup, masks and props. Produce your own show with changing scenery and lights. SOLs: English K.1, 1.1, 2.1, 2.3, 3.1, 3.2; Science 1.2; Math K.17, K.18; Music K.1, K.2, K.7, 1.1, 1.2, 1.92, 13.2, 3.10, 4.3, 4.8, 5.2

Super Service Center: This well-equipped garage has everything that is needed to service the kid-sized car mounted on the lift. Check the air pressure, remove a muffler, change the oil and more! SOLs: Science K.4, 3.2; Math K.8, K.9, 1.11, 2.18

Science Lab: This fully functional lab has all the tools young scientists need to perform experiments and make new discoveries. Put on your lab coat, pull out a microscope, and get ready for fun! SOLs: Math K.1, K.8, K.10, K.14, K.17, K.18, 1.12, 1.14, 1.14, 1.18, 1.20, 2.15, 2.17, 3.14, 3.17, 3.21, 3.22, 4.10, 4.11, 4.12 K.6, K.8, K.10, K.14, K.17, K.18; Science K.1, K.3, K.4, 1.1, 2.1, 2.2, 3.1, 4.1

Art Smart: Experience a variety of art media as you transform ideas into masterpieces. Guest artists and weekly projects are sure to inspire creativity. SOLs: Science K.4, 1.8; Visual Arts K.1, K.2, K.3, K.11, 1.3, 1.8, 1.10, 2.4, 2.5, 2.9, 2.10, 3.2, 3.3, 3.4, 3.5, 3.10, 4.4, 4.5, 4.6, 4.10

TV Studio: Breaking news? Deliver *LIVE* from the anchor desk or serve as meteorologist to track the latest weather changes in front of the 'green screen.' SOLs: Science K.8, 2.6, 4.6; English K.1, K.2, K.3, 1.1, 2.1, 2.2, 2.3, 3.1, 4.3; Social Studies K.3, K.4, 1.4, 3.6,

One World: Explore world cultures and geography in this area that features an international book collection and interactive Smart Table. SOLs: Social Studies K.4, 1.4, 2.5, 3.5; Science K.1, 1.1, 2.1, 3.1, 4.1, 5.1; English K.1, K.2, K.3, 1.1, 2.1, 2.2, 2.3, 3.1, 4.1