

1ST

First Grade (September - April)



First Grade Planetarium Days

Adventures in Space Science (September - April)

Adventures in Space Science allows you to choose between three exciting planetarium shows, “The Little Star that Could,” “Magic Tree House: Space Mission” or “One World, One Sky: Big Bird’s Adventure,” in addition to receiving an engaging lesson on the properties of the Sun and Moon and the features of the day and night sky. **Science Standards: 1.E3A.1, 1.E3A.2**

The Little Star That Could Planetarium

An age-appropriate story about Little Star, an average yellow star in search of a planet of his own to protect and warm. Students will learn the importance of the Sun as a star that provides heat and light for Earth. Instructors will also demonstrate the daily patterns of the Sun and Moon including sunrise and sunset.

OR

Magic Tree House: Space Mission Planetarium

Peek into the tree house and follow Jack and Annie on an exciting adventure as they meet an astronomer and an astronaut who guide them along a fun-filled journey to discover the secrets of the Sun, Moon, planets, space travel and more.

OR

One World, One Sky, Big Bird’s Adventure Planetarium

Join Big Bird and Elmo as they explore the night sky with Hu Hu Zhu, a Muppet from “Zhima Jie,” the Chinese coproduction of Sesame Street. Together they take an imaginary trip from Sesame Street to the moon, where they discover how different it is from Earth. They also journey to Zhima Jie to learn about the similarities in our view of the sky.

Choose one of the following two options:

Option A

Arrive at 11:00am and view the 11:15am planetarium show. Afterwards, have lunch before returning to school.

Option B

Arrive at 11:30am and have lunch upon arrival before viewing the 12:15pm show.



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First Grade (May Only)



First Grade May Adventure Days

An exciting day of adventure awaits as you and your students participate in hands-on learning experiences specifically tailored to first grade learners. **These lessons are offered ONLY in May. Space is limited so these Adventures will be scheduled on a first come, first served basis.**

Choose one of the following three options for your day-long experience:

1. Exploring Light & Shadows **New!**

In this day-long exploration, students will discover the properties of light and shadows through hands-on experiments in our Symmes Hall labs as well as enjoy an interactive presentation on space and light in the Hooper Planetarium.

Magic Tree House: Space Mission Planetarium

Peek into the tree house and follow Jack and Annie on an exciting adventure as they meet an astronomer and an astronaut who guide them along a fun-filled journey to discover the secrets of the Sun, Moon, planets, space travel and more.

Along with the Planetarium show, your day also includes the following experiences:

Feel the Heat Symmes Hall — 30 Minutes

Your future engineer will get warmed up with this hands-on experience! Students will explore the effect of the sun's heat in warming the earth by designing the most effective solution to block the sun's rays.

Science Standards: 1.E.3A.4; 1.E.3A.5; 1.S.1A.2; 1.S.1B.1

See the Light Symmes Hall — 30 Minutes

Unlock the mysteries of light! This hands-on experience will demonstrate how light behaves as it strikes an object and travels through translucent, transparent, and opaque materials. **Science Standards:** 1.P.2A.1; 1.P.2A.2; 1.S.1A.4

Cast a Shadow Symmes Hall— 30 Minutes

Can you solve the shadow challenge? Students will work on their "light moves" by using an interactive shadow box to explore how shadows change as an object moves past a light source. Students will use their discoveries to determine which location in a city would have the most shade throughout the day.

Science Standards: 1.P.2A.1; 1.P.2A.3; 1.S.1A.2

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OR

2. Down on the Farm **New!**

In this day-long exploration, students will move throughout the Living History Farm to learn about plant structures, land use, and natural resources as they interact with our farm animals, explore the gardens and discover artifacts from our community in our 200 year old cabins, as well as enjoy an interactive presentation on space and light in the Hooper Planetarium.

Magic Tree House: Space Mission Planetarium

Peek into the tree house and follow Jack and Annie on an exciting adventure as they meet an astronomer and an astronaut who guide them along a fun-filled journey to discover the secrets of the Sun, Moon, planets, space travel and more.

Along with the Planetarium show, your day also includes the following experiences:

Gardening Goodness Heritage and Herb Gardens — 30 Minutes

Students will explore our extensive Heritage and Herb gardens and discover the structures that help plants grow and reproduce while also helping with traditional chores that children participated in as they learn what it takes to make a garden grow. In the case of severe weather, this lesson will take place in the one room schoolhouse. **Science Standard: 1.L.5A.1 Social Studies Standards: 1.G.3; 1.E.2**

Cabin Life in the 1800s Historic Kitchen and Cole Log Cabins — 30 Minutes

Students will discover the natural resources required to build and maintain a 19th Century farm as they participate in a number of hands-on tasks and handle artifacts that will give them a feel for what it was like to be a pioneer in our community in the 1800s.

Science Standard: 1.E.4B.1; Social Studies Standards: 1.H.3

Farm Animal Fun Historic Barn and Potting Shed — 30 Minutes

Students will participate in the care and feeding of our barn animals, have a chance to milk our imitation cow and also make butter as we compare how goods and services have changed over time.

Science Standard: 1.E.4; Social Studies standard: 1.E.2, 1.H.3

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3. Natural Science Adventure **New!**

Discover the wonders of nature as you spend the day exploring Harrison Hall of Natural Science and discover all that it has to offer through participating in a rotation of six standards-based lessons. Explore plant and animal characteristics in our Rainforest, Marine and Ecology Labs then search for connections in the Mineral Lab between South Carolina's various earth materials and the products from which they are made. Also, your students will have the chance to hold, touch, and closely examine some of our most popular resident creatures while moving from one interactive exhibit to another.

Creatures by the Seashore [Marine Lab](#)

Students will discover the importance of conserving our oceans as they explore the aquariums and interact with a variety of marine animals in our touch tanks.

Science Standard: 1.E.4B.2

Plants of the Rainforest [Rainforest Classroom](#)

Students will examine a variety of everyday products such as cinnamon, ginger, cocoa, vanilla and others that come from plants that grow in the rainforest.

Science Standards: 1.L.5A.1

Rainforest Exploration [Rainforest](#)

In this immersive exploration of the rainforest, students will learn about the characteristics of this unique habitat and get up close with some of its inhabitants such as the African ball python. **Science Standards: 1.L.5B.2**

South Carolina Environments [Ecology Lab](#)

While exploring the Ecology Lab, students will examine the plants found within a variety of South Carolina environments including mountain streams, beaver ponds, cypress swamps and salt marshes. **Science Standards: 1.L.5B.2**

Earth's Natural Resources [Mineral Lab](#)

Students will discover the mineral wealth that lies beneath their feet as they examine a variety of natural resources found in South Carolina that are important to their daily life. **Science Standards: 1.E.4B.1**

Butterfly Garden Discovery [Outdoor Butterfly Garden](#)

Take a guided tour of our beautiful outdoor Butterfly Garden and observe the different parts of plants that help them survive and reproduce. In the case of inclement weather, this lesson will take place in the Discovery Lab.

Science Standards: 1.L.5A.1, 1.L.5A.2



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