

East Tennessee Discovery Center Fieldtrip Program Guide 2nd Grade

Scheduling Your Fieldtrip!

Call 865-594-1494 to schedule your fieldtrip. Please provide the following information:

1. Date & time you would like to visit.
2. Name, address, & phone number of your school.
3. The number of students participating.
4. Programs you would like to see.
A fieldtrip consists of a classroom program, planetarium show, and time in the exhibit gallery or any combination of the above.
5. Whether your group will be shopping in our gift shop (prices range from 25 cents to \$10).

Meeting Your Curriculum!

Every Discovery Center program is aligned with and reinforces the grade level expectations set by the Tennessee Department of Education. Included is a list of programs and the state science curriculum grade level expectations they meet.

* Indicates that the particular program best aligns with the GLEs for that grade level.

Planetarium Programs

***Secret of the Cardboard Rocket**

Take a trip through the solar system on a cardboard rocket! Join Rocky and Starr as they take flight and learn about each of our planets with the help of a wise Astronomy book that accompanies them on their journey.

7.6.1 Realize that the sun is our nearest star and that its position in the sky appears to change.

The Sky Tonight

Join our Planetarium Facilitator in viewing a simulated nighttime sky projected on the planetarium dome. Find the stars and constellations that are currently visible in the nighttime sky and hear the stories of how some constellations got their names. This interactive program can be tailored to meet the needs of your students.

Classroom Programs

***Bats Abound**

Truth versus myth about bats from around the world! See native Tennessee bat skins. View a real bat skeleton and compare the similarities to the human skeleton. Participate in age-appropriate activities that will have your students “flying”.

7.1.1 Recognize that plants and animals are made up of smaller parts and use food, water, and air to survive.

7.2.1 Investigate the habitats of different kinds of local plants and animals.

7.2.2 Investigate living things found in different places.

7.2.3 Identify basic ways that plants and animals depend on each other.

7.3.1 Recognize that animals eat plants or other animals for food.

7.4.2 Realize that parents pass along physical characteristics to their offspring.

7.5.1 Investigate the relationship between an animal’s characteristics and the features of the environment where it lives.

***Forces & Motion**

Discover the role “friction” and “gravity” plays in our daily lives. Through participatory and fun activities such as racing cars, hitting homers, and riding a skateboard, students will grasp the concepts of Newton’s Three Laws of Motion.

7.12.2 Realize that things fall toward the ground unless something holds them up.

***Our Planet & Moon**

Through imitation, students learn the movement of the Earth and Moon and how the Earth's movements create day and night and four seasonal changes.

Participatory and fun activities help students understand the "phases" of the Moon as well as the Moon's physical features.

7.6.1 Realize that the sun is our nearest star and that its position in the sky appears to change.

7.6.2 Make observations of changes in the moon's appearance over time.

7.10.1 Explain why the sun is the primary source of the earth's energy.

***What is an Insect?**

The world of insects is explored during this entertaining, fact-filled, hands-on presentation. Identify the physical characteristics shared by insects through "butterfly role play". The distinction between insects and non-insects is made thru interactive activities and you will meet, touch, and "listen" to "Benson" and his friends, our live-in Giant Madagascar Hissing Cockroaches.

7.1.1 Recognize that plants and animals are made up of smaller parts and use food, water, and air to survive.

7.2.1 Investigate the habitats of different kinds of local plants and animals.

7.2.2 Investigate living things found in different places.

7.2.3 Identify basic ways that plants and animals depend on each other.

7.3.1 Recognize that animals eat plants or other animals for food.

7.4.1 Compare the life cycles of various organisms.

7.4.2 Realize that parents pass along physical characteristics to their offspring.

7.5.1 Investigate the relationship between an animal's characteristics and the features of the environment where it lives.

***Wind, Water, Clouds and More**

Learn the whys behind Summer, Winter, Spring, and Fall. What is wind and what does it do? How many types of clouds are there and what sort of precipitation do they create? What's the difference between Fahrenheit and Celsius? Come to our "weather room" and get the answers.

7.8.1 Associate temperature patterns with seasonal changes.

7.9.2 Investigate how temperature changes affect the state of matter.

7.9.3 Recognize that air takes up space.

7.10.1 Explain why the sun is the primary source of the earth's energy.