

# **East Tennessee Discovery Center Fieldtrip Program Guide 3<sup>rd</sup> 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 (this may include a scavenger hunt) 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.

Health standards are aligned with the Knox County Board of Education Health and Wellness curriculum.

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

# **Planetarium Programs**

## **\*Planet Talk**

Students learn the basic characteristics of each planet in the solar system. Planets are compared and grouped into broad categories. After learning the scoop about Pluto, the students take a “spaceship ride” back to Earth.

7.6.1 Identify and compare the major components of the solar system.

## **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.

7.6.1 Identify and compare the major components of the solar system.

# **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”.

7.3.1 Describe how animals use food to obtain energy and materials for growth and repair.

7.5.1 Explore the relationship between an organism’s characteristics and its ability to survive in a particular environment.

## **\*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.

7.11.1 Explore how the direction of a moving object is affected by unbalanced forces.

7.11.2 Recognize the relationship between the mass of an object and the force needed to move it.

## **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 Identify and compare the major components of the solar system.

## **\*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.

7.8.2 Use tools such as the barometer, thermometer, anemometer, and rain gauge to measure atmospheric conditions.

7.8.3 identify cloud types associated with particulare atmospheric conditions.

## **\*From Cells to Systems**

Did you know there are "trillions" of cells in the human body and each cell has a specific function and purpose? Come explore the human body, while viewing real "preserved" human organs. Learn the chain of events from cells to organs to body systems and the how's behind the process.

7.3.1 Describe how animals use food to obtain energy and materials for growth and repair.

Health Standard 2 The student will understand the role of body systems as related to healthful living.