

East Tennessee Discovery Center Outreach Program Guide 3rd Grade

Scheduling Your Outreach!

Call 865-594-1494 to schedule your outreach.

Please provide the following information:

1. Name of school and school phone number.
2. Teacher contact name and e-mail address.
3. Grade level, number of classes and number of students per class.
4. Time programs may begin, lunch schedule.
5. Name of program & month requested.

Starlab Outreach Programs

Starlab is a portable, inflatable planetarium that brings the nighttime sky to your school. The sky is projected on the inside of an inflatable dome where students investigate the stars and constellations. **The portable planetarium requires 22x22 feet of floor space and an 11-foot ceiling.** The ideal class size for Starlab is 20, but it can hold a maximum of 25 3rd - 6th graders.

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 programs meet the standards set by the Knox County Board of Education Health and Wellness curriculum.

Backyard Basic Training

The consequences are life or death, as students become the animals and essential habitat components of their own backyard. Compare and contrast the way in which these animals develop and adapt for survival.

- 7.2.2 Explain how organisms with similar needs compete with one another for resources.
- 7.3.1 Describe how animals use food to obtain energy and materials for growth and repair.
- 7.4.1 Identify the different life stages through which plants and animals pass.
- 7.5.1 Explore the relationship between an organism's characteristics and its ability to survive in a particular environment.

The Look of the Land

Does the Earth consist of more water than land or vice-versa? What is a mineral, are there different kinds, where are they found and how are they used? Learn how we all can help conserve the Earth's renewable resources.

- 7.7.1 Use information and illustrations to identify the earth's major landforms and water bodies.
- 7.7.2 Recognize that rocks can be composed of one or more minerals.
- 7.7.3 Distinguish between natural and manmade objects.

Beyond Planet Earth

Take a voyage to "outer space" and learn about the solar system and all that occupies the space beyond Earth.

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

Dental Health

Did you know that bacteria live in your mouth? How does it affect your health? The importances of proper tooth brushing techniques are emphasized as the means to prevent cavities, gum disease and tooth loss.

The student will understand:

1. The role of personal health (hygiene) practices as it relates to their total wellness.
2. The role of body systems as related to healthful living.
4. The relationship of nutrition to healthful living.
7. The need and process of setting personal goals and standards for healthful living.
10. Attitudes and behaviors for preventing and controlling disease.

You Are What You Eat

A mystery bag of foods and the Food Pyramid game will teach students how to create a balanced meal. Learn about the digestive system, how to "burn" calories and the importance of reading "nutrition labels". "Fat models" will allow children to feel how extra weight affects their movement. Fast food healthy choices are emphasized along with some ways to make exercise "fun".

The student will understand:

2. The role of body systems as related to healthful living.
3. The relationship of physical activity as it relates to healthful living.
4. The relationship of nutrition to healthful living.

7. The need and process of setting personal goals and standards for healthful living.

10. Attitudes and behaviors for preventing and controlling disease.

Starlab Seasons of the Stars

Students will learn to identify the “Big Dipper” and use it to locate other constellations. View and learn about some constellations visible during each of the four major seasons of the year. Long standing “myths” associated with the constellations will be shared. Content will correlate with grade level expectations.

Starlab Multicultural Mythologies

The most widely known stories, or “myths” as they are often referred to, about the constellations are based on the Greek’s interpretation of star patterns. Student will be fascinated to hear the many different stories from other cultures around the world and how they explained the constellations to their peoples. Content will correlate with grade level expectations.