

# **East Tennessee Discovery Center Outreach Program Guide Kindergarten**

## **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 30 K-2nd 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.

## **Bats, Inside & Out**

From helpless embryo to high-flying adult, students learn about the bat's unique body parts and their basic needs as they grow. Everyone will have fun "flying" and using echolocation to catch insects. Learn how native Tennessee bats compare to those around the world.

- 7.2.1 Recognize that some things are living and some are not.
- 7.3.1 Recognize that living things require water, food, and air.
- 7.4.1 Observe how plants and animals change as they grow.
- 7.4.2 Observe that offspring resemble their parents.
- 7.5.1 Compare the basic features of plants and animals.

## **The Earth's Surface**

What do we find when "examining" the Earth's surface? Explore with us and learn which elements found are living versus non-living and those that are man-made versus those that occur naturally. Be prepared to get your hands dirty!

- 7.7.1 Identify non-living materials found on the surface of the earth.
- 7.7.2 Recognize that some objects are manmade and that some occur naturally.
- 7.9.1 Describe an object by its observable properties.

## **Let's Make Sense of Our Bodies**

What does a brain feel like? Is seeing believing? Learn some interesting facts about our bodies. Discover the five senses through games and activities.

- 7.2.2 Know that people interact with their environment through their senses.

## **Dental Health**

What's the purpose of teeth? What's a tooth made of? Can the food we eat "help" or "hurt" the health of our teeth? What is a cavity? Is flossing really important? Hands-on activities help to answer these questions and more!

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**

By exploring the Food Pyramid, children will learn what constitutes healthy food choices versus the unhealthy amount of sugar and fat contained in today's "popular" food items. Students see first hand, through the use of realistic 1 & 5 pound fat molds, the importance of daily exercise to maintain your optimum body weight and mobility.

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 Zoo in the Sky**

This program introduces the concept of stars and constellations as familiar pictures in the sky. Students will view some of the constellations visible in our nighttime sky during the current season, and learn how to locate those constellations themselves.

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