

# **East Tennessee Discovery Center Home School Programs 2010-2011**

## **General Scheduling Information**

\*\*Please note that these programs are for individual home schoolers. If your home school group is interested in scheduling a fieldtrip to the Discovery Center, please call 594-1494. You may view Field Trip Programs available on the Discovery Center website, [www.etdiscovery.org](http://www.etdiscovery.org).

### **Location**

516 N. Beaman Street  
(in Chilhowee Park next to Knoxville Zoo)  
Knoxville, TN 37914

### **How to register for a program:**

- 1) Registration will begin on **Monday, July 19, 2010**.
- 2) Call **594-1494** to register your child(ren).
- 3) Mail the enclosed registration form and total payment to the address indicated on the registration form.

**\*Forms received without a telephone confirmation will be returned.**

Each program costs \$7.00 or enroll in all 6 for \$35.00. Pre-registration and **all payment is required by Friday, Sept. 10, 2010. Materials will only be available for students who prepay.** One parent per paid student will receive free admission. Siblings of students will pay regular admission cost. **Due to limited space and supply purchases we will NO longer be able to give refunds after pre-payment is made.**

# **Home School Programs**

## **Ages 6-12 years**

### **Fall Programs**

#### **Full of Energy**

**September 21, 22, 23, 24, 2010**

**2:00 pm - 4:00 pm**

Kids love sports and this action-packed, sports-themed program will get them interested in science as well! Potential and kinetic energy as well as gravity, friction and force are huge components of this program. Students will use a variety of sports equipment to learn about Newton's Three Laws of Motion.

#### **You Are What You Eat**

**October 19, 20, 21, 22, 2010**

**2:00 pm - 4:00 pm**

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".

#### **Flip the Switch**

**November 16, 17, 18, 19 2010**

**2:00 pm - 4:00 pm**

"Flip the switch" on learning about electricity! What makes a light bulb "light"? What makes a magnet "dance"? What creates the "shock" we feel when we touch certain objects? Learn the whys behind these questions through hands-on experiments and activities. Learn how

power is generated and electricity is harnessed in our homes. Not to mention all the fun we'll have with our Van de Graaf generator!

## **Spring “Up in the Air” Programs**

### **Beyond Planet Earth**

**February 1, 2, 3, 4, 2011**

**2:00 pm - 4:00 pm**

Take a voyage to “outer space” and learn about the solar system and all that occupies the space beyond Earth. This program will include a planet step-off activity, Akima planetarium show, and several hands-on activities! Students will also get to taste-test freeze-dried space ice cream!

### **Flight Time**

**March 1, 2, 3, 4, 2011**

**2:00 pm - 4:00 pm**

Let's learn about flight and what makes flight possible! Hands-on activities will reinforce the concepts and each student will be able to choose a paper-airplane design to build and take home. We will have a paper airplane contest to see who chose the best design!

### **Light, Color, and the Stars**

**April 5, 6, 7, 8, 2011**

**2:00 pm - 4:00 pm**

Investigate the properties of light, the color spectrum, and explore what happens when colors of light are mixed. Students will determine, through experimentation with different materials, which materials are “translucent”, thus allowing light to pass through them. Various mediums will be used to demonstrate light “refraction”. The use of “diffraction-lens glasses” will allow students to examine

“glowing gases”, the same way astronomers do when studying the stars.

## **Discovery Center Home School Programs Registration Form**

Child's Name: \_\_\_\_\_

2): \_\_\_\_\_

3): \_\_\_\_\_

Parent's Name: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Please enroll my child(ren) in the following programs:  
(circle preferred date and please indicate # of children/program)

**All payment is required on Friday, Sept. 10, 2010**

Sept. class date:	T	W	R	F	_____	\$7.00
Oct. class date:	T	W	R	F	_____	\$7.00
Nov. class date:	T	W	R	F	_____	\$7.00
Feb. class date:	T	W	R	F	_____	\$7.00
Mar. class date:	T	W	R	F	_____	\$7.00
Apr. class date:	T	W	R	F	_____	\$7.00

Grand Total: \$ \_\_\_\_\_  
(# of children x # of programs, due 9/10/10)

All 6 programs for \$35.00 (due 9/10/10) \$ \_\_\_\_\_

Please send payment to: **Discovery Center**  
**PO Box 6204**  
**Knoxville, TN 37914**

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