



Homeschool Programs at The Children's Museum of Science and Technology (CMOST) 2007-2008

Wednesday, October 17th – It's Air-Stounding (1:00 PM)

Come and explore the amazing properties of air in this introduction to physics. Learn how to inflate a giant bag with one breath and float a 50 foot long bag using solar energy.

Wednesday, November 14th - The Wonderful World of Weather (1:00 PM)

Get wild about the weather through games and experiments. Test your skills in meteorology and as a weatherman and watch the water cycle in action.

Wednesday, December 12th – Molecularium (1:00 PM)

Take a magical animated adventure with Oxy, Hydro and Hydra on the Molecularium ship during our award-winning Dome show and workshop. Students will investigate the world of atoms and molecules from nanoscale to the galactic scale. You will learn about the size of atoms and molecules, the three states of matter, and create your own polymers to take home with you in this introduction to chemistry.

Wednesday, January 16th – Electrifying Science (1:00 PM)

Come and learn about the basics of electricity. We'll explore static, experiment with a Van de Graaf generator and explore magnetics with various hands on experiments in electricity.

Wednesday, February 12th – Ready, Set, Reaction (1:00 PM)

What is a reaction? We'll blow up balloons, create rockets out of film canisters and heat things up! Students will learn all about physical and chemical reactions while getting hands on with chemistry.

Wednesday, March 12th – Amazing Adaptations (1:00 PM)

Examine live animals and discover animal adaptations close-up. Students will learn about both physical and behavioral adaptations and how they help animals to survive in many different environments during this introduction to zoology.

Wednesday, April 9th - Life Cycles (1:00 PM)

Explore the biological lifecycles of reptiles, mammals and insects by meeting a member of each species and investigating their differences and similarities. Students will learn the difference between complete and incomplete metamorphosis by meeting our animals, playing a game and working together in groups.

Wednesday, May 14th – Turning the Tides (1:00 PM)*

Take an in-depth look at the Hudson River watershed and its ecology through hands-on scientific investigation and handling artifacts. Students will investigate streams first hand using field equipment to monitor the water's health. During this two hour program, students will learn about and will collect data on water quality and the different species of organisms living in the water.

All home school programs are offered for children ages 7-12. Each program runs for approximately one hour*. After the program there will be an option of viewing a planetarium show in the Lally Digital Dome Planetarium. The cost for each program is \$6.00 per child.

To register for a program, please Call 518-235-2120 ext. 206 or complete the registration form below and return to CMOST.

Registration is required for the Home School programs. Registration is not complete without payment.

Name of Parent/ Guardian: _____

1.Child: _____ DOB _____ 3.Child : _____ DOB _____

2.Child: _____ DOB _____ 4.Child : _____ DOB _____

Address: _____

Phone (Home): _____ Phone (Work): _____

Phone (cell): _____ Email: _____

Program(s) you wish to attend please place the # of the child (number located next to their name above) attending the program in the space provided:

- ____ It's Air-Stounding (10/17/07)
- ____ The Wonderful World of Weather (11/14/07)
- ____ Molecularium (12/12/07)
- ____ Electrifying Science (1/16/08)
- ____ Ready, Set, Reaction (2/12/08)
- ____ Amazing Adaptations (3/12/08)
- ____ Life Cycles (4/9/08)
- ____ Turning the Tides (5/14/08)

Credit card info: Card # _____ Security Code # _____

Expiration Date: _____ Authorizing signature for credit card use- _____

Please return to: The Children's Museum of Science and Technology
250 Jordan Road, Rensselaer Technology Park, Troy, NY 12180, or fax to (518) 235-6836

We require a minimum of 10 participants to run these programs, so invite your friends to come along with you to explore and discover the world of science and technology. If we do not meet our minimum number, the program will be cancelled 5 days prior to the date it is to run. You will be notified by phone (and/or email).

***The Turning the Tides program runs for two hours.**