



Homeschool Science Labs at The Children's Museum of Science and Technology 2011 - 2012

**When: Thursday Afternoon's
1:00 PM – 2:30 PM**

Age Groups: 6-8 yrs and 9-11 yrs

Sessions for each age group are held concurrently on each topic.

Thursday, October 13th - Super, Slimy Science

Join us as we get hands-on with some of the slimiest, ickiest and stickiest science you've ever seen! Participants will get a basic introduction to chemistry and the different states of matter before delving into the world of slimy science and cool reactions in this pre-Halloween hands-on homeschool lab.

Thursday, November 10th – Seasonal Cycles

What makes the seasons? When is the earth closest to the Sun? Join CMOST staff in this exploration of the seasons! We'll experiment with kinesthetic astronomy, examine how animals adjust to the cycles and explore the science of leaf chromatography in this informative hands-on lab class.

Thursday, December 8th – The Art of Science

Delve into the many concepts of science through the use of art. In this science meets art lab we will explore different scientific concepts through the use of art mediums. We will experiment with acid/base indicators, examine fractal patterns, and create colorful chromatography as we explore the art of science.

Thursday, January 12th – Your Night Sky

Join CMOST as we explore what's in your night sky tonight. We'll put together star finders, learn how telescopes work and get a tour of the night sky in the Lally Digital Dome and Planetarium in this fun and exciting introduction to backyard astronomy.

Thursday, February 9th - A Commotion of Motion

Let's work together to learn all about the energy of motion. In this lab we will experiment with the differences in kinetic and potential energy by creating a roller coaster, explore the forces of gravity through experimentation and discover the science of Newton's Laws.

Thursday, March 8th - Reptile Ins and Outs

What is a reptile and why do they have their own group in the animal kingdom? Join us in Operation W.I.L.D. as we learn all about this special group of animals, do a hands on feeding demonstration and much more in this class in biological science.

Thursday, April 19th – NanoScience

What is nanotechnology and why is it important? Join us for this investigation of all things small! We will experiment with nano-measurement, learn about Carbon bucky balls and experiment with nanofabric as we get down and dirty with Nanotechnology.

Thursday, May 10th – Chemistry Conductors

Venture into the microscopic world of atoms and molecules as we discover matter and its many properties. Participants will discover atoms and molecules by participating in the Molecularium™, build molecular models, and create chemical concoctions during this introduction to chemistry.

Thursday, June 14th – Stream Ecology

Join us in this exploration of stream ecology. Children will learn all about the science of ecology, study stream animal adaptations, examine the aquatic food web and conduct water tests in this hands-on ecology lab. *This lab will take place outdoors weather permitting.*

All home school programs are offered for children age 6-8 and 9-11. Placement in classes will be based upon the child's date of birth.

The cost for each program is \$6.00 per child. To register for a program, please call 518-235-2120 or complete the registration form below and return to CMOST. Pre-registration is required for the Home School programs and class size is limited so register early. **Registration is not complete without payment.**

Children cannot be left unattended at The Museum under any circumstances. If you plan to visit The Museum with your other children admission will need to be paid.

Name of Parent/ Guardian: _____

1. Child: _____ DOB _____ 2. Child: _____ DOB _____

3. Child: _____ DOB _____ 4. Child: _____ DOB _____

Address: _____

City: _____ State: _____ Zip code: _____

Phone (Home): _____ 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:

___ 10/13/11 Super, Slimy Science

___ 3/8/12 Reptile Ins and Outs

___ 11/10/11 Seasonal Cycles

___ 4/19/12 NanoScience

___ 12/8/11 The Art of Science

___ 5/10/12 Chemistry Conductors

___ 1/12/12 Your Night Sky

___ 6/14/12 Stream Ecology

___ 2/9/12 A Commotion of Motion

Total Enclosed: \$ _____

Credit card info: Card # _____

Expiration Date: ____/____ Security Code # _____ Billing zip code: _____

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