



# CMOST Winter Program Schedule



\*Pre-registration is required. Free for CMOST members, \$2.00 for non-members plus admission to CMOST.

## January 2009

### \*Friday, January 2<sup>nd</sup> 1:00 PM Rubber Band Rocket Gliders

We'll assemble rocket gliders out of basic craft materials. Through pulling on the rubber bands I experiment with force that propels the rockets forward. Together we will split into teams and see if changing the design makes it possible to build a better glider. *Ages 4+*



### \*Sunday, January 4<sup>th</sup> 1:00 PM Crafting the Old

Kids and parents will reuse throw-out material and recycle common household junk into creative and interesting works of art. Children need to bring in a few old greeting cards and gift wrap for their projects. *Ages 5+*

### \*Friday, January 9<sup>th</sup> 10:15 AM My Five Senses

Our five senses help us every day! The animals at The Museum have senses too. Join us and experiment with the five senses. Also meet an animal to learn about their five senses. *Ages 2 to 5*



### Saturday, January 10<sup>th</sup> 7:00 PM Overnight Camp-In

#### Investigating the Wonders of Science!

Explore the world of science in hands-on workshops while sleuthing your way to answering scientific questions. This camp-in meets Girl Scout requirements for the Science Wonders Try-It and the Science Sleuths Badge, and the Cub Scouts Science Belt Loop. *(Pre-registration is required.)*



### Sunday, January 11<sup>th</sup> 12:30 PM

#### Girl Scout Eco-Explorer Brownie Try- It Workshop

Join CMOST staff in an exploration of Ecology in the living Hudson River exhibit and the Operation W.I.L.D. exhibit. *(Pre-registration is required. Scouts \$9, includes Try-It.)*

### Tuesday, January 13<sup>th</sup> 1:00 PM Homeschool Program

**Reptile Ins & 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. *Ages 6-10 (Pre-registration is required, \$6 per child)*



### \*Saturday, January 17<sup>th</sup> 1:00 PM How Big, How Far?

How big is our solar system? What is the difference between a rocky planet and a gas giant? Join us as we make play dough planets and a pocket solar system in order to answer these questions and many more! *Ages 8+*



### \*Sunday, January 18<sup>th</sup> 1:00 PM Air Pressure "Magic"

Have you ever wondered if the air around you has weight? It does! When you change the properties of a pocket of air, funny things start to happen. Join us and try your hand at experimenting with air pressure "magic" and science. *Ages 8+*

**Monday, January 19<sup>th</sup>**  
CMOST is open 10:00 AM – 5:00 PM

### \*Monday, January 19<sup>th</sup> 1:00 PM

#### Color Fun Lab

Did you know that color and light are inseparable? We'll explore the workings of the eye and how we see different colors and light. Work together to create cool color experiments including spotlights for color mixing that you can take home to further your experimentation! *Ages 6+*

### Wednesday, January 21<sup>st</sup> & Saturday, January 24<sup>th</sup>

#### 9:30 AM

#### Parent & Me Winter Session

Begins for kids ages 2-4. For more information call 518-235-2120 or visit [www.CMOST.org](http://www.CMOST.org)

### \*Saturday, January 24<sup>th</sup> 1:00 PM

#### Pole-r Activity

Join our hands-on exploration of all things magnetic. We'll categorize and classify different items, learn about magnetic poles all while having fun! *Ages 5+*

### \*Sunday, January 25<sup>th</sup> 1:00 PM Energy 101

Ever wondered how people found the energy resources that you use in your home or business? Join us as we explore the exploration for energy! Children will be given a company and need to search for their energy resources, graph their results and talk about what this means for our energy future. *Ages 9+*



### Saturday, January 31<sup>st</sup> 12:30 PM

#### Girl Scouts Science Discovery Junior Badge Workshop

Scientists discover things through investigation. Join CMOST staff on our investigation of science. Experiment with chemistry, optics, ecology and various other

areas of study while completing the requirements for the Science Discovery Badge. *(Pre-registration is required. Scouts \$9, badge is included.)*

## February 2009

### Saturday, February 7<sup>th</sup> 7:00 PM

#### Overnight Camp-In Exploring Earth and Sky

Spend the night discovering the earth's sky and what makes up the universe. This camp-in meets Girl Scout requirements for the Earth and Sky Try-It and the Sky Search Badge, and the Cub Scouts Astronomy Belt Loop. *(Pre-registration is required.)*



### \*Sunday, February 8<sup>th</sup> 1:00 PM

#### Gravity Central

Explore your own center of gravity! Learn how circus performers balance and find out why you can't touch your toes when you're backed up against a wall. You will learn several neat tricks to take home and use to amaze your friends! *Ages 5+*

### Tuesday, February 10<sup>th</sup> 1:00 PM Homeschool Program - It's Electric

Come and learn about the basics of electricity. We'll explore static, experiment with a Van de Graaf generator and explore magnetism with various hands on experiments. *Ages 6-10 (Pre-registration is required, \$6 per child)*

### \*Friday, February 13<sup>th</sup> 11:00 AM

#### Love Bugs

Valentines Day is just around the corner and love is in the air. Visit CMOST and participate in one of our "lovely" activities. We'll read the story *I Love Bugs* by Philemon Sturges, meet some of our resident bugs and make a love bug to take home. *Ages 4+*



**\*Saturday, February 14<sup>th</sup>**

**1:00 PM**

### **Heart Science**

Spread the love of discovery and adventure using real cows' heart. Hands-on activities will build on children's natural enthusiasm and teach the circulatory system, how the heart works, and its size and location in the body. They'll listen to their own hearts to hear the changes made by activity, and investigate the difference between veins and arteries in their own bodies. Heart science will go way beyond little red cut-out hearts by learning what a real heart looks like. *Ages 5+, \*\*DISCLAIMER: Participants in this workshop will be invited to assist in the dissection of an actual cow heart, under professional supervision.*



**Sunday, February 15<sup>th</sup> 12:30 PM**

### **Girl Scouts Science In Action**

#### **Brownie Try-It Workshop**

We'll experiment with different scientific concepts, make putty and go on a scientific treasure hunt during this science exploration workshop. *(Pre-registration is required. Scouts \$9, Try-It is included.)*

**Mon. February 16<sup>th</sup> – Fri. February 20<sup>th</sup>**

CMOST is open 10:00 AM – 5:00 PM

**Monday, February 16<sup>th</sup>**

### **CMOST Summer Science Camp**

*Registration Opens for CMOST Members*

**Monday, February 16<sup>th</sup> 1:00 PM**

### **Kitchen Comets**

#### **CMOST Members Only workshop**

Make your own simulated comet using ingredients found right here on our planet and learn the place of comets in the order of the Universe. *Pre-Registration is required. Ages 6+*



**\*Tuesday, February 17<sup>th</sup> 1:00 PM**

### **Drowning the Dry Ice Delusions**

Have you ever experimented with dry ice? Join us as we make metal scream, create

dry ice bubbles, and cool potions. We'll explore the properties of dry ice and drown the dry ice delusions! *Ages 6+*

**\*Wednesday, February 18<sup>th</sup> 1:00 PM**

### **What's the Phase?**

Join us in an exploration of the phases of The Moon. Children will experiment with the phases of the moon, learn about its path around the earth and sun and also receive experiments to further their learning at home! *Ages 8+*

**\*Thursday, February 19<sup>th</sup> 1:00 PM**

### **Life on the International Space Station: Microgravity at Work**

See how Astronauts shuttle between Earth and the International Space Station, learn to live and work in space. *Ages 8+*

**\*Friday, February 20<sup>th</sup> 1:00 PM**

### **Candy Science**

What is the science in candy? There is a lot of science! Children will learn about the science of candy as they experiment with life savers, make marshmallows explode and much, much more! *Ages 6+*



**\*Saturday, February 21<sup>st</sup> 1:00 PM**

### **We Dig Dinosaurs**

Become a Paleontologist with your very own "fossil," explore the impressive scale of dinosaur life and meet a living reptilian cousin of the Dinosaur. *Ages 4-7*



**Sunday, February 22<sup>nd</sup> 12:30 PM**

### **Girl Scouts Making It Matter Junior Badge Workshop**

Join us and increase your scientific knowledge of engineering. We'll work together to "engineer" a few different things such as a bridge and a cool new polymer. *(Pre-registration is required. Scouts \$9, Badge is included.)*

## **March 2009**

**Monday, March 2<sup>nd</sup>**

### **CMOST Summer Science Camp**

*Registration Opens to the Public*

**\*Thursday, March 5<sup>th</sup> 10:00 AM**

### **Insect Investigations**

What is an insect? What makes them so neat? Join us as we explore insects from top to bottom. We'll learn all about bugs and create a bug craft to take home. *Ages 2-5*

**Saturday, March 7<sup>th</sup>**

**10:00 AM – 5:00 PM**

### **Operation W.I.L.D - Working With Animals**

Join us in a day long exploration of careers that involve working with animals. We'll have several different guests from various professions visiting CMOST throughout the day.

**Sunday, March 8<sup>th</sup> 12:30 PM**

### **Girl Scouts Science Wonders**

#### **Brownie Try-It Workshop**

Explore the wonders of science. Join CMOST staff as we experiment with bubbles, make crystals and more in this Try-It workshop. *(Pre-registration is required. Scouts \$9, Try-It is included.)*

**Tuesday, March 10<sup>th</sup> 1:00 PM**

### **Homeschool Program**

#### **Alternative Energy Investigations**

Join us as we expand upon our knowledge of energy by investigating forms of alternative energy. We'll learn the science behind solar and wind energy and then work to build model turbine propellers of our own. *Ages 6-10 (Pre-registration is required, \$6 per child)*

**Saturday, March 14<sup>th</sup> 7:00 PM**

### **Overnight Camp-In Animals and their Environment**

Do you ever wonder how animals live and why they live where they do? Join us as we



explore and learn about animals and how their environment affects them. This camp-in meets Girl Scout requirements for the Animals Try-It and Plants and Animals Badge, and the Cub Scouts Wildlife Conservation Belt Loop. *(Pre-registration is required.)*

**\*Sunday, March 15<sup>th</sup> 1:00 PM**

### **Float Your Boat**

How does a boat float? What makes it not capsize? Children will learn about boat construction and create aluminum foil boats of their own to test and take home. *Ages 5+*



**\*Thursday, March 19<sup>th</sup> 10:00 AM**

### **W is for Water**

What is water and what makes it so cool? Join us in this introduction to water as we get our hands wet with experiments! *Ages 2-5*

**Saturday, March 21<sup>st</sup> 12:30 PM**

### **Girl Scouts Science Sleuths**

#### **Junior Badge Workshop**

Join us as we ask scientific questions and experiment with the science of sound, crystals and much more! *(Pre-registration is required. Scouts \$9, Badge is included.)*

**\*Sunday, March 22<sup>nd</sup> 1:00 PM**

### **May the "Force" Be With You**

Join us in several experiments with magnets as we develop an understanding of magnets and magnetic attraction. Learn to classify materials by attraction, the everyday uses of magnets and about magnetism as an invisible force. *Ages 5+*



**Saturday, March 28<sup>th</sup> 10:00 AM – 5:00 PM**

### **NanoDays Activities**

Join CMOST staff in an exploration of all things Nanotechnology! We will be having presentations, experiments and demonstrations throughout the day that explore different topics and concepts in Nanotechnology. Please visit [www.CMOST.org](http://www.CMOST.org) for more information.