

Scotia-Glenville Children's Museum

...the traveling museum

IN-SCHOOL PROGRAMS

2009 – 2010

Scheduling

Phone: (518) 346-1764 Fax: (518) 377-6593

Website: www.travelingmuseum.org

Complete and fax a scheduling form to the Traveling Museum at least 3 weeks prior to the date you want to have a traveling museum visit. (Museum programs are very popular, so please provide a second choice for visit dates). Confirmation and program guidelines will be sent via email prior to the visit. Be sure to take the time to review your confirmation info upon receipt. If you have not heard from us, that means a program has not been scheduled.

Ensure Email Delivery by adding scheduling@thetravelingmuseum.org to your address book in order to ensure that the email needed to confirm your program will be received. AOL and various other email clients will frequently categorize any email message from an unknown address as unwanted commercial email, or SPAM. If you use a SPAM filter, please be sure to include 'scheduling@thetravelingmuseum.org' as a legitimate sender of email communication. It is also a good idea to check your 'junk' mailbox regularly for misdirected email.

Fees: \$114 per presentation for traveling programs presented by one Museum teacher, \$144 for traveling programs requiring two Museum teachers. Two teacher programs are marked with * in the program descriptions and include most of the Arts programs, one of the Social Studies programs and one of the Character Education programs.

An additional **travel fee** will be charged, based on your distance from the museum. The rate charged for this may change from time to time during the school year based on Internal Revenue Service current reimbursement rate. The Scotia-Glenville Children's Museum serves an area up to 50 miles from Scotia, NY.

Please note: Scheduling more than one presentation of a program per day reduces total travel fees. A program may be scheduled up to three or four times on the same day. Successive presentations of the same program must stay in the same room, and allow for museum teacher preparation and set up between each program.

BOCES: Scotia-Glenville Children's Museum programs are available as a BOCES Arts-in-Education service. Please inquire about your school's eligibility for BOCES aid.

Group Size: In-School programs accommodate up to **28 participants**. To maintain our current program fees and ensure that all students receive a quality experience, the museum must limit group size to 28 students. **Exceptions will not be allowed.**

Note: Programs listed as available for Preschool will gladly be done for children ages four and/or five. Our programs are not appropriate for children under 4. **Exceptions will not be allowed.**

Billing: Invoices are mailed after the Museum visit. Payment is due within 30 days.

MUSEUM TEACHERS CANNOT ACCEPT ANY PAYMENTS AT THE TIME OF THE PROGRAM.

SPECIAL NOTE ABOUT SCHEDULING PROGRAMS:

To facilitate scheduling, especially at busy times of the year, we strongly suggest you use the enclosed Scheduling Request Form. You can also get the form on our web site, www.travelingmuseum.org, on the In-School page. Please keep in mind that we must have all the information requested on the form when it is sent to us, or scheduling for your program will be delayed while we contact you for the needed information.

Programs Offered

SCIENCE & MATH

Age of Dinosaurs, The. What was the earth like 150 million years ago? How have the earth and its creatures changed over time? Children are fascinated to learn how the dinosaurs lived and about the process of fossilization. (MST Science Standard 4)

Preschool, K and Grade 1: 60 minutes; Grades 2-4: 75 minutes

At Home in a Pond. Ponds are exciting places to see how life cycles may take many forms. Students view a slide show, models and specimens of freshwater life and complete a project illustrating how a pond community is like a neighborhood. We all need protection, food, and waste removal. Children will explore how these important things happen in a Pond Community. (MST Science Standard 4)

Grades 1-4: 75 minutes

Beautiful Insects – Butterflies and Moths. What's the difference between these two kinds of insects? This program is an introduction to the characteristics of insects, including life cycles and the amazing process of metamorphosis. (MST Science Standard 4)

Preschool & K: 60 minutes; Grades 1-4: 75 minutes

Discovering Deserts. Children will study how, where and why deserts occur and what adaptations and solutions allow plants, animals and people to survive in such harsh environments. Displays include many desert artifacts, models and pictures. A related craft project concludes the program. (MST Science Standard 4)

Materials fee: 50¢ per child. Grades 3-6: 75 minutes

Eating Adventure. Students learn what food does for the body and how to make healthy food choices using the new USDA Food Pyramid and activities associated with it. Related activities conclude the program. (HPE&F&CS Health Standard 1)

Preschool-Grade 2: 60-75 minutes

Everybody Talks About the Weather. Using simple instruments, children learn how our weather is the result of the combination of wind, air pressure, humidity and temperature. Experiments and demonstrations show how these factors are measured. (MST Science Standard 4)

Grade 1: 60 minutes; Grades 2-4: 75 minutes

Frogs and More Frogs. Younger children can learn about frogs through songs, stories and puppetry. Each child makes a paper bag frog puppet to keep. (MST Science Standard 4)

Preschool & K: 60 minutes

Furry Neighbors. In the woods and fields and right outside our homes there are furry animals that are our neighbors. Examining skins and skulls helps children discover the unique traits of some of our mammal neighbors, and how they coexist in their habitats.

(MST Science Standard 4)

Preschool – Grade 1: 60 minutes; Grades 2 & 3: 75 minutes

Honeybee Business. Each child constructs a model of a honeycomb, complete with larvae and worker nurse bee. The efficiency and function of the structure is emphasized in this popular program about the life cycle of a honeybee.

(MST Science Standard 4)

Preschool & K: 60 minutes; Grades 1-4: 75 minutes

Inside Story, The. Here is a chance to examine a human skeleton up close, and to discuss the reasons our bodies need bones. An explanation of the structure and function is given and each child makes a jointed paper skeleton model.

(HPE&F&CS Health Standards 1&2)

Grades 3-6: 75 minutes

Know Your Genes. Children will discover that being different is perfectly normal as they learn about the amazing diversity among people. Activities include analyzing fingerprints, a taste test and a “chromosomal square dance.”
(HPE&F&CS Health Standards 1&2) Grades 3-6: 75 minutes

****Special Note** Proctors offers a giant screen film to complement The Inside Story and Know Your Genes programs. For grades 3rd and up, THE HUMAN BODY is offered every M W F at Proctors in Schenectady. This film captures the many miracles our body experiences throughout the course of a single day. Visit proctors.org/education for details, or call 518-382-3884 x 139.

Journey Through the Solar System. Slides provide an introduction to the objects in our solar system. Enjoyable hands-on activities and experiments enhance the program content. *Support for this program is provided by a grant from the Dudley Observatory*
(MST Science Standard 4)
Grades K-2: 75 minutes

Mars...Earth's Outer Neighbor

Travel with us on a journey to visit the red planet. Discover the geological wonders of Mars; canyons, deserts and ice caps are just a few. Learn about newly discovered evidence of water on Mars and what this could mean. The intrigue of this planet continues. An official *Certificate of Citizenry* is just part of the experience! *Support for this program is provided by a grant from the Dudley Observatory.*
(MST Science Standard 4) Grades 3 – 6: 75 minutes

Measures for Measuring. Our most popular program! Using a hands-on practical approach, students learn how and why measurement standards have evolved and experiment with over 40 different devices to learn about length, mass/weight, capacity/volume, time, temperature, money, area and perimeter. Both metric and customary (English) units will be used. **(MST Math Standards 1, 2 & 3)**
Grades 3-5: 90 minutes

Mirror Magic. Experiments with hinged mirrors and the Museum's collection of unusual kaleidoscopes help explain the hows and whys of reflection. Each child makes a kaleidoscope to keep. **(MST Science Standard 4; The Arts Standard 2)**
Materials fee: \$1.00 per child. Grades 1-4: 75 minutes

Oceans Alive! Students learn about the most amazing ecosystem on the planet through songs, stories and puppets; then do a “fishy” project to take home. **(MST Science Standard 4)**
Preschool, K & 1st: 60 minutes

Oceans in Motion. Children will learn about oceans, their creatures and how we can protect them through slides, models and real specimens. A related craft project concludes the program. **(MST Science Standard 4)**
Grades 2-3: 75 minutes

Rocks Rock! Children learn about everyday uses of rocks and minerals, especially quartz, granite and marble. Children work in teams as geologists performing experiments to classify specimens. **(MST Science Standard 4)**
Grades 3-6: 75 minutes

Shed a Little Light. Students will examine important characteristics of light, including reflection and refraction through many simple experiments. Prisms are used to study aspects of color, and posters and examples will describe and simplify the electromagnetic spectrum. The anatomy of the eye and how the eye transforms image into sight are also studied. The program concludes with a new kaleidoscope project. (Being able to darken the room is essential for this program.) **(MST Science Standard 4; The Arts Standards 1 & 2)**
Grades 4-6: 75 minutes: Materials fee: \$1.00 per student

Shocking Truth about Electricity and Magnets *New!* Students will discover the world of electricity and magnetism in this new hands-on program. Students will build their own electric motors which will strengthen their understanding of magnetic behavior, electrical circuitry, and the close relationship between the two forces. The henry, a unit of self-induction, is named for Joseph Henry, a little-known inventor from our own area. Students will learn about his early years in Albany and recreate some of his experiments in electromagnetism. *Support for this program is provided by a grant from National Grid.*

(MST Science Standard 4)

Grades 4-6: 75 minutes; Middle School/Jr. High: 40-60 minutes.

Silent Spinners. Can spiders really make silk? This close-up look at common and exotic spiders, their bodies, webs and habits sheds light on these beneficial creatures. Children participate in an art project reinforcing the lesson. **(MST Science Standard 4)**

Grades 1&2: 60 minutes; Grades 3 & 4: 75 minutes

Simple Machines. Students participate in demonstrations and exciting hands-on activities that help them discover the properties and uses of the lever, pulley, inclined plane, wedge, screw and the wheel and axle. **(MST Science Standards 1, 2&5)**

Grades 1-6: 75 minutes

Sounds Good to Me. What's the difference between music and noise? Through simple experiments, children discover how sounds are produced, how they travel and what makes each one unique. Everyone makes a simple instrument to keep. **(MST Science Standards 1, 4 & 7)**

Grades 2-5: 75 minutes

Spider Silk. Younger children learn about spiders, their silk and webs through role playing with finger puppets, songs and storytelling. A related project concludes the program. **(MST Science Standard 4)**

Preschool & K: 60 minutes

Technology Petting Zoo.

Students will explore advances in technology over the past 100 years. A short presentation followed by hands on experiences with technology: dial a rotary phone, use a typewriter, listen to a wind up record player.

Support for this program is provided by a grant from Ronald McDonald House Charities. Technical support provided by the Edison Exploratorium.

(MST Science Standard 4, MST Technology Standards 5 and 6)

Grades 3-6: 75 minutes

Tropical Rain Forest, The. Slides and exhibit objects introduce and illustrate characteristics and products of rain forests, the interdependence of plant and animal life and the effects of deforestation. A related project concludes the program. **(MST Science Standard 4)**

Grades K-1: 60 minutes; Grades 2-6: 75 minutes

Virtual Field Trip to a Farm. *New!* Where does my food come from? This farm field trip *into* the classroom presents a visual journey to several farms in the region, where students will encounter local foods such as fruit, vegetables, eggs and milk. Students participate in related hands-on activities as they make connections between the food on their table and what is produced on local farms.

(MST Science Standard 4)

Preschool-Grade 2: 60 minutes

Support for this program is provided by grants from New York Ag in the Classroom and the Northeast Farm Credit Ag Enhancement Program. Technical support provided by New York Farm Bureau Foundation for Agricultural Education.

Whales are Marvelous Mammals. Slides and recordings of whale "songs" take students on an imaginary whale watch to learn more about these fascinating creatures. Whale models and a measuring activity compare their sizes and special characteristics.

(MST Science Standard 4; The Arts Standard 1)

Grades 1-6: 75 minutes

What is in a Bird Nest? Birds are ingenious builders. The Museum's collection of bird nests gives samples of the surprising materials birds use, including mud, spider webs and moss. Each child makes a "bird" nest to take home.

(MST Science Standard 4)

Preschool – Grade 3: 60 minutes

SOCIAL STUDIES

A "Random Scoot" Through the Adirondacks, Students learn about the history, geography, animal and plant life and mineral wealth of some of the oldest mountains on earth. We look at the wilderness beauty of the mountains and the way of life and environmental concerns of the Adirondack settlers. A map project completes the program.

(SS Standards 1&3)

Grades 3-6: 75 minutes

Alaska, Our Beautiful Northland. Alaska's unique culture is adapted largely from that of the native peoples. Students will become acquainted with Alaska's geography, history, ecology and natural resources by examining exhibit objects made by native Alaskans. **(SS Standards 1&3)**

Grades K-6: 75 minutes

All Aboard the Underground Railroad! Students will learn about life as a slave in the U. S. in the early 1800's and travel the Underground Railroad to freedom. Along their journey, stations will be visited depicting various aspects of travel that the freedom seekers encountered, such as routes, codes, and obstacles. We will also identify people and places that had significance with assisting those traveling on the Underground Railroad in the Capital District.

(SS Standard 1) Grades 3-5: 75 minutes

Canada, Our Neighbor to The North. Canada is a country rich in geography, natural resources, history and culture. Through art, maps, and hands-on items, students will explore all of these things, as well as Canada's relationship with the United States. **(SS Standard 5)**

Grades 3-6, 75 minutes

Columbus's Great Enterprise. The *Age of Exploration* began with the historic voyage of Columbus in 1492. This program integrates geography, math, astronomy and early navigational science. **(SS Standards 2&3)**

Grades 3-6: 90 minutes; Middle School/Jr. High: 40-60 minutes

Culture Box, The.*

What is a culture? Through an original story, native culture objects, music, visuals, and maps, students will build a 6-slice "Culture Pie" (graph) of cultural ingredients: Celebrations, Recreation and Games, Arts and Communication, Education, and History and Traditions. Students will then compare all to similarities and differences in American culture. Choose from one of the following cultures: Afghanistan, Puerto Rico, or Guyana.

Program developed in collaboration with the International Center of the Capital Region. Support for this program is provided by a grant from the Bender Family Foundation.

(SS Standards 2, 3, 4 & 5) Grades 3-5: 75 minutes

Extraordinary Mr. Edison, The. Few people have touched our lives more profoundly than Thomas A. Edison. Slides and artifacts illustrate his life and his work on a variety of inventions. Everyone makes a working light bulb.

(SS Standard 1)

Grades 4-6: 75 minutes; Middle School/Jr. High: 40-60 minutes

In Days Gone By. Life was different for children when our country was 100 years old. Clothes were washed by hand, and irons were heated on the stove. Hoops and tops were typical toys and holiday gifts. Old fashioned appliances and games portray work and play at the end of the nineteenth century. **(SS Standards 1&3)**

Kindergarten: 60 minutes; Grades 1-5: 75 minutes

Iroquois Castles Revisited. Native American homes, everyday activities, crafts and relationships are shown before and after the arrival of the European settlers. **(SS Standards 1&3)**

Grades 4-6: 75 minutes; Middle School/Jr. High: 40-60 minutes

Life on the Erie Canal. Canal Days come to life through slides and a collection of hands-on artifacts. Topics include how the canal was built and what it was like to live and work along the canal. **(SS Standards 1&3)**

Grades 4-6: 75 minutes

Mexico: Yesterday and Today. Students experience the history and modern culture of Mexico through artifacts and images. Topics include the indigenous peoples: Olmecs, Mayas and Aztecs, as well as the daily life in Mexico today. A copper embossing project for students to take home completes the program. **(SS Standards 1, 2&3)**

Grades 3-6: 75 minutes; Middle School/Jr. High: 40-60 minutes. Materials fee: 60¢ per child.

Steinmetz, The Electrical Wizard of Schenectady. Photographs illustrate the life of Charles Steinmetz as an immigrant, mathematician, family man and community leader. Hands-on activities are designed especially to help students remember this remarkable Schenectadian, who came to the General Electric Company over 100 years ago. **(SS Standard 1)**

Grades 4-6: 75 minutes; Middle School/Jr. High: 40-60 minutes

They Lived Along the Mohawk. A program for young children focusing on the original people of this area. Authentic handmade objects that can be touched reveal how the earliest inhabitants of the Mohawk Valley learned the secrets of nature in order to survive. **(SS Standard 1)**

Preschool – Grade 1: 60 minutes; Grades 2 & 3: 75 minutes

What’s the Scoop? A look at the story of ice cream, ice cream makers, scoops and parlors is completed by the hands-on experience of making ice cream.

Support for this program is provided by Stewarts Shops.

(SS Standard 1; Science Standard 4)

Grades 1-6: 75 minutes

CHARACTER EDUCATION

NYS has mandated character education in the schools; these programs can help fulfill this State requirement.

Moon Jar, The.

The Moon Jar is a visual tool that helps children to understand how to use and think about money, even when that amount is just pennies and nickels. The objective is to help children and families learn three basic principles of money management: saving, spending and sharing. Topics covered include wants versus needs, cost of goods, and adding money. Each child makes a Moon Jar to keep.

Support for this program is provided by 1st National Bank of Scotia

(HPE&F&CS Resource Management NYS Learning Standard 3)

Grade 2: 60 minutes

Puppet Personalities. Students learn about different kinds of puppets and how they work, and discuss how our feelings and personalities make us behave. Children will also have an opportunity to learn how different puppets perform using folk tales and classics, and make a puppet to take home.

(HPE&F&CS Health & Family Standard 2) Preschool- K: 60 minutes; Grades 1-2: 75 minutes

We’re More the Same Than Different.* Children without handicaps are often unaware of the needs of their schoolmates with disabilities. In primary grades, Museum teachers use puppets to show that all people have similarities and differences. In intermediate grades, children learn about “People First Language” and explore the

feelings and challenges of persons with disabilities. Members of all classes role-play disabilities using a wheel chair, blindfolds, Braille cards and sign language.

(HPE&F&CS Health & Family Standard 2) Grade K: 60-75 minutes; Grades 1-6: 75 minutes.

(Two teacher programs are marked with * in the program descriptions.)

ENGLISH/LANGUAGE ARTS

Amazing Animation.* A brief history of film-making and an animated film prepare children to discover the rewards of creating a movie by drawing directly on film. The finished product is shown immediately upon completion with musical accompaniment.

(ELA Standards 1&2) Grades 3-6: 75 minutes

Art of Shadow Puppetry.* Museum teachers demonstrate how shadow puppetry can enrich language arts through the use of old legends and modern literature. Students make their own shadow puppets and participate in a play about the rain forest. **(ELA Standards 1&2) Grades 2-6: 75 minutes**

Fantastic Beings. Sea monsters, dragons, cyclops, minotaurs, werewolves and their legendary stories have a special appeal for youngsters. In this program, children will write and illustrate tales about their own fabulous characters that will come alive from their imagination on the “WANTED” poster they create to ‘capture’ their character.

(ELA Standards 1&2) Grades 2-4: 60 minutes

From Pulp to Paper.* Students use dried corn husks, a blender and an iron to make a piece of paper. The accompanying exhibit acquaints children with recycling, as well as processes used in a paper mill.

(ELA & Science Standard 4) Grades K-4: 75 minutes

Ins and Outs of Weaving, The.* An introduction to the craft of weaving, stressing people’s inventiveness in turning raw materials into cloth. Pictures and hands-on objects illustrate the history and products of weaving. Children weave on individual backstrap looms. **(SS Standard 1)**

Grades 2-6: 90 minutes

Mythical Creatures. Participants brainstorm and write descriptive stories inspired by Greek myths and art. Students will create their own mythical creatures with magical powers and do a short writing. Then the writers will illustrate their tale on a large piece of paper, using the model of a Greek urn. Replicas and photos of Greek artifacts are used to stimulate the imagination. **(ELA Standards 1& 2) Grades 5-6: 75 minutes**

About the Scotia-Glenville Children’s Museum:

- **Founded in 1978 to offer additional and unique educational and cultural opportunities to residents in the Capital Region and surrounding areas, SGCM is an-all-traveling museum “without walls” that travels to communities within a 50 mile radius of our administrative office.**
- **The museum is a non-profit educational organization that meets the rigorous guidelines necessary to hold a permanent charter from the NYS Regents and offers a wide range of programs developed to enhance NYS Learning Standards.**
- **In the 2008/2009 program year, the museum brought exhibit-based participatory programs in the arts and sciences to more than 70,000 people.**
- **Program fees are supplemented by charitable support used to pay museum teachers, purchase program materials, exhibits/artifacts and support program development.**

SGCM Offers:

In-School: Classroom-based, curriculum related programs for public and private elementary and middle schools and other educational settings.

Beyond the Classroom: These programs offers a mixture of our most popular in school programs and creative art-focused programs for after-school programs, day camps, libraries, scout-troop meetings, etc. Special additions are presented for the summer session.

Leisure Time Learning: Special programs for senior centers, retirement facilities, libraries and nursing homes feature a variety of programs in music, history and the arts.

Special Occasions: We do birthday parties, special events, and you will often see us at community fairs and events!

PLEASE VISIT WWW.TRAVELINGMUSEUM.ORG FOR MORE INFORMATION