Dear Educators,

Thank you for your interest in the Children’s Museum’s Educational offerings! We are excited to partner with your school to provide you and your students with experiential learning opportunities. The materials in this packet will provide you with further information regarding the resources, programs, contests, events and field trips we offer to our community.

As a teacher, you play a critical role in shaping the lives of our children and we are proud to partner with you in this mission. If you have any questions regarding the enclosed materials, please feel free to contact us at 570-389-9206.

Thank you again for partnering with us. We look forward to providing services to you and your students.

Dr. Ginny Weibel

Ginny Weibel, PhD
Education Coordinator

How to use this guide

This guide was created specifically for teachers, principals, scout leaders and parents/caregivers, who are interested in educational opportunities at the Children’s Museum. We believe that learning can be fun and stress-free. We’ve gathered all the information you need to have a great group trip or homeschool day, bring the Museum to your classroom or home with the Museum On The Go kits, or enter one of our annual contests or fairs. Simply turn to the section of this guide that you are most interested in.

To make reservations, please gather the information listed and call the Museum at (570) 389-9206.

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How to Book a Field Trip
Call (570) 389-9206, Tuesday through Saturday from 10 am to 4 pm.

Payments
Accepted forms of payment include cash, credit card or check. Payment is due the day of the field trip.

Cancellation
Please call (570) 389-9206 as soon as possible prior to your visit. In case of inclement weather, we follow the Bloomsburg School District closings.

Chaperones
Chaperone ratio for the Museum is no less than 1 adult per 10 children. We recommend 1 adult per 6-7 children for the best experience.

Before You Arrive
Please have your group divided into the number of small groups listed in your confirmation letter. Each group should be labeled with a letter.

Arrival and Parking
Please arrive 10 minutes prior to scheduled start time. If you are running late, please call (570) 389-9206.
Buses should park against the building or in the gravel parking lot along Center Street, only cars or vans may park in the west parking lot, please.
You or a group leader should check-in at the main entrance as soon as you arrive.
Your group should remain on the bus until a staff member greets you and instructs you how to unload.

Lunches
We do not currently have indoor lunchroom facilities. Other options in the area include Bloomsburg Town Park and Kidsburg, as well as Columbia Park. You can also contact the Bloomsburg YMCA or the Bloomsburg Fire Department to book accommodations.
About the Children’s Museum

Mission Statement

The Children’s Museum strives to enrich the lives of the people in our region and from all corners of the globe by fostering a lifelong love of learning and bringing out the imagination in every child, as well as the child in every visitor.

We offer unique, sustainable, and dynamic learning opportunities for youth through year-round interactive exhibits, programming, and community outreach. We encourage and facilitate the exploration of the sciences, arts and humanities, and the development of positive learning experiences for people of all ages. We also work to respond to community needs through partnerships with regional schools and community-based organizations, pushing for the development of strong and healthy families.

History

The Children’s Museum is a rural non-profit corporation operated by a full-time director and four part-time staff, along with volunteer committees and student interns. A board of directors oversees the director and all policy and fiduciary responsibilities. Located in Bloomsburg, PA, the Museum offers more than fifty hands-on exhibits covering history, science, arts, and culture. It also offers weekend, homeschool, and after-school programs in art, history, and science, along with pre-K and school age summer camps. Traveling Classroom Kits are offered with free delivery to schools within the Museum’s primary five county service area: Snyder, Columbia, Northumberland, Union, and Montour Counties.

The Museum began in May 1985 with traveling exhibits to serve the seventeen school districts in the five-county Central Susquehanna Intermediate Unit area. Subsequently, the Museum developed a summer Art and Science Center from 1996 to 2001. It has operated in its current permanent location, open year-round, since 2002. It is the only educational resource of its kind in a 50-mile radius, serving 36,945 public and non-public students and their families and teachers.

Educational Approach

The educational philosophy of the Children’s Museum is rooted in interactive experience, inquiry-based learning, and the incorporation of various learning styles. At a practical level, this means that tours are not lectures; rather, they are opportunities for visitors to engage with docents and exhibits and actively participate in learning. The Museum also strives to keep visitors involved and engaged through hands-on, interactive learning. With no shortage of objects that can be handled, the Museum was expressly designed with this principle in mind. Finally, while tactile experience is ideal for some visitors, others may learn best through listening, viewing images, writing, moving about, and/or thinking about concepts logically or numerically. A variety of learning styles are incorporated into museum programming and tours, so as
The Children’s Museum utilizes a self-guided tour system, assisted by staff. Due to the hands-on nature of the exhibits, this approach best suits the use of the facility. Group leaders and other adults may download our “Self-Guided Map and Tour” from our website or see the maps at the end of this guide. This booklet provides teachers, chaperones and parents with information about each exhibit and the activities provided. Group leaders can easily use this booklet to guide the children through the museum from exhibit to exhibit.

When visiting with a larger group, we ask that they be split into smaller groups. Smaller groups are cycled from one exhibit area to another, according to a timed schedule, which each group leader will receive at the time of arrival. This ensures that there are not too many people in one place at a time. It is important that groups do not move to the next exhibit area until instructed to do so. The Children’s Museum staff will assist your group with moving to the next appropriate area. Most often, smaller groups are moved every fifteen minutes, but this may vary depending on the size of the overall group.

In April and May the museum offers docents who present at a particular exhibit area. At these times, groups are asked to give their full attention to the presentation. Docents are not available at all times or for all exhibit areas. Staff will offer assistance, answer questions and provide information to make your visit a success!

**Tips for Teachers**

- Prepare your chaperones with trip information from your confirmation letter, behavior guidelines, a list of students who will be in their group, and “Self-Guided Map and Tour” printable.
- Please review the rules of behavior with students and chaperones.
- Make the most of your day by providing challenges or questions for students to further their engagement. A scavenger hunt is available.
- Review our “Self-Guided Map and Tour” printable (available on our website under “Exhibit” tab) to find information about each exhibit and activities provided.
- Encourage students to leave as much as possible on the bus, we do have a small area to hang coats.

**See Appendix for parking map.**

**Behavior Guidelines**

- We ask that visitors walk at all times and speak at moderate levels.
- Running, shouting, or climbing on exhibits and other inappropriate behaviors are not acceptable.
- Group leaders assume responsibility for maintaining discipline.
- If members of a group are unwilling to cooperate, the group may be asked to leave early.
- We ask that cell phones be silenced and stored during the visit.
Exhibits

**UPPER EXHIBITS**

**Giant Birds Nest**
Learn about the nesting habits of area birds by putting on wings of your own. Children can choose one of several different colored bird costumes and (after taking off their shoes) hop into the nest to see how our fine feathered friends view the world. When you gently squeeze the stuffed bird toys around the nest, you’ll hear what that species of bird really sounds like.

**Greenway**
Humans and other species need green spaces. Our Greenway exhibit looks like a path along the Susquehanna River and flood plain. It includes the sounds of bird, frogs, crickets, and a variety of other Pennsylvania animals. Children will learn about nests and homes you might find in an area like this. A major component of this exhibit is the wall mural that incorporates trees, animals and birds of the Susquehanna region.

**Animal Architects**
The Animal Architects exhibit features animals that build their homes, both above and below the ground. Children can crawl through a tunnel display to see underground homes of various animals such as toads, moles, and rabbits. Above the tunnel is a ground level landscape showing several animals and their homes and if you look into the tree branches you’ll discover even more. Animal tracks have been illustrated on the exhibit walls and “peek” holes are made along the sides for easier viewing.

**Turtles**
At these exhibits, visit Molly Mae and Stinky. Learn about what species of turtles they are, where they live, and what they eat. Take a moment to discover their similarities and differences.

**Eastern Woodlands Longhouse**
A traditional dwelling of Pennsylvania Native Americans (Iroquois and others) before European settlers came to the New World. This exhibit promotes an understanding of Native Americans throughout North America, with special emphasis on Pennsylvania. Children will learn about the different dwellings built by Native Americans, dispelling the common misconception that all Indians lived in teepees.

**Switchboard**
The Switchboard lets children investigate an important development in communication fifty years ago when switchboards allowed many telephone lines to operate by using a telephone operator.

**Rambling Rollers**
Discover the power of gravity by sending a wooden ball down the track. Design and redesign the track using the pieces on the magnetic wall. Try to get from top to bottom without jumping the track.

**North Mountain Art League**
Every year, the North Mountain Art League creates an exhibit based on a theme. Currently you can enjoy 17 pieces centered around water.
Preschool Cabin and Garden
The preschool play area is a semi-enclosed space where young children can safely play while they enjoy the museum. The cabin has a fully stocked kitchen and work bench, a play house and puzzle area. The garden is filled with colorful play flowers, costumes and a boat with steering wheel and sounds. This area is reserved for children age 5 and under.

Under 2 Play and Learn Area
This enclosed area is stocked with toys to engage and fascinate our youngest visitors. Little ones can touch, crawl and play in an area designed just for them and their caregivers. This area is reserved for children age 2 and under.

LOWER EXHIBITS

Passage to Pennsylvania
Passage to Pennsylvania follows immigrants to Central PA during the 19th century. Why immigrants came to America, and specifically Central PA, is an interesting discovery. It explains how people made a living in agriculture, the lumber industry or with businesses they started. It also shows pictures of the warmth and togetherness of families.

Dyco: Pneumatics– Air Does Work
Learn about Pneumatics as you send a ping pong ball around the room using pressurized air. Principles illustrated here demonstrate how staged mechanization in industry work. Let the exhibit go through all the steps by itself or control the step-by-step process by controlling the buttons and switches. Read the directions carefully and be patient. Each step must be completed before the next one will engage.

Dinosaurs & Fossils
Walk along the Evolution Mural painting to show plants and animals that roamed the earth millions of years ago. See how several periods are shown between times of mass extinction.

Let’s Pretend Theatre
Let your inner performer shine with the Let’s Pretend Theatre. Put on a costume or pick a puppet and put on a show. Exercise your sense of fashion with Magno Kid, a life size wooden “paper doll” with real cloth clothes held on with magnets, for quick wardrobe changes.

Coal Mine
The Coal Mine exhibit introduces the children to coal, a natural resource, which is an important part of our heritage in Northeastern Pennsylvania. Children can go back in history and explore life in the time when coal was king. They will explore a mine tunnel, see how the walls are supported and how they branch underground, experience the darkness and see a cart the moves coal out of the mine. They will hear some sounds that reflect the underground atmosphere. The children will see equipment used by coal miners.
People of the Past: Ancient Egyptian Tomb
Explore the mysteries of Ancient Egypt, mummies and the pyramids. Get up close and personal with a sarcophagus replica and discover the secrets of canopic jars. Try your hand at mummy wrapping or writing your name in hieroglyphics. Make sure you stop by the Rosetta Stone replica to see how three different languages were used at the time.

Old Fashioned School Room
The old fashioned school room gives children a feel for what school used to be like over a hundred years ago.

D-II, Exercise and Nutrition
Diabetes Type II is a growing concern for children in our country. The D-II exhibit focuses on identifying the risk factors and showing children how they can reduce these risks through exercise and diet. Visitors will learn how to make informed choices about food, drink and activity through stimulating games and colorful displays. The exhibit features tactile educational modules which allow children to understand the food pyramid, food groups and how to eat a well-balanced meal. Other displays and games in the exhibit provide more information about healthy choices and diabetes prevention. The exercise room provides a place to dance along to popular music videos with step by step instruction.

Maker Space
The Maker Space is a workshop designed to be kid friendly. This hands-on learning space is used for activities including everything from high-tech robotics to traditional crafts. This exciting new learning area gives young learners the opportunity to explore and create in a space designed just for hands-on creation.

Simples Machines
The Simple Machines exhibit is an interactive and fun way to learn about simple machines. Simple Machines are mechanical devices that are used to change the direction or magnitude of a force. This unique exhibit, designed and built by Museum volunteers, sends a ball through a maze of 6 simple machines 13 feet into the air and is driven by turning hand wheels by visitors of all ages.

See Appendix for Museum map.
Beyond the Exhibits

The Children’s Museum offers many educational experiences beyond our excellent exhibits. There are a host of special events listed on our website. Some of our annual outstanding events include fairs and contests, scouting programs at the Museum and home schooling opportunities.

Fairs & Contests

Third Annual Children’s Museum Science Fair
Students in grades 4-8 are invited to enter a project in the fair which will take place on January 18, 2018. To enter a project, complete the registration form found on our website or pick one up at the Museum’s office. Registration forms are due no later than December 8, 2017. CASH PRIZES are awarded to top 3 projects in each grade. NASCO gift cards are awarded to top 3 teachers or homeschooling groups with the most students participating.

Third Annual Bloomsburg Mini Maker Faire
Saturday April 21, 2018 10a.m. - 4p.m.
The Bloomsburg Mini Maker Faire is a Children’s Museum-organized event that is part of the global Maker Faire network created by MAKE Magazine. The event brings together amateur and professional inventors, artists, crafters, engineers and performers in a combination of large spectacles and communal interactive experiences.

Second Annual High School Art Show
Spring 2018
Students in grades 9-12 are invited to enter this juried art show. Cash prizes awarded to the top winners. More details to follow in the spring.

Home Schooling

HOMESCHOOL HANGOUTS
Every other Wednesday 11a.m.-1p.m. during the school year beginning Oct. 4th-Dec 13, resumes in January. Parent/child activities designed to complement concepts taught in homeschool curriculum, grades K-12. Discounted admission for homeschool families ($5/person).
Fall topics include: Crazy Chemistry, Ecology, Microbiology, Science of Gingerbread, Geology, and Holiday Customs Around the World.

Scouting at the Museum

Cub Scout/Boy Scout & Girl Scout Badge Programs
The museum offers a list of fun, new patch and badge opportunities for Boy Scouts and Girl Scouts, at all levels. Please contact the Museum for availability and pricing.

Circuits: Create a simple circuit and design your own light up work of art.

Trick Photography: Using “green screen” technology, Scouts will learn to stage photoshoots using a “green screen” and use digital editing software to transform their own photo into a cool digital scene of their choice.

Robotics: For the Robotics Badge, Cub Scouts will design their own interactive Lego Robots using the Lego WeDo system and then program their robots using drag-and-drop software. Scouts will also build LEGO models featuring working motors and sensors, then program their creations.

Intro to 3D Printing: Learn about 3D printing and 3D modeling. Use 3D modeling software and create a model. Try your creative hand at our 3D pens!

Microscopy: Get a peek at microscopic cells and organisms! Scouts with learn the hands-on basics of using a microscope, prepare and view slides.
Traveling Classroom Kits and FOSS Kits can be used in conjunction with your classroom curriculum or for enrichment. Each kit contains a teacher’s guide and multiple activities for a full classroom of students, working individually or in groups. Classroom Kits contain all the materials needed for the hands-on activities and the early lab-type experiences outlined in the teacher’s guide.

Children’s Museum Classroom Kit (CM)
- Astronomy
- At Home 100 Years Ago
- Energy
- Primary Magnetism
- Meteorology
- Sound
- LEGO® WeDo Construction*
- LEGO® Simple Machines*

* These kits require a special agreement signed by the school principal.

Full Option Science System Kits (FOSS)
- Solids and Liquids
- Measurements
- Earth Materials
- Human Body
- Magnetism & Electricity
- Mixtures & Solutions
- Variables

See Appendix for reservation form.

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Traveling Kit Demonstration

By appointment only. At our place or yours. Free with Group Admission. Choose any of the Classroom Kits listed above or the FOSS Kits to the right and a Museum Staff person will be happy to share them with your group. A Kit Demo can be provided at your location for a presenter fee and mileage reimbursement for out-of-town locations. Please call for details. Great for preschools, daycares, homeschools and classrooms!
### Pricing Guide 2017-2018

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<td>Ages 3+</td>
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<td>Ages 0-2</td>
<td>Free</td>
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<tr>
<td><strong>Group Admission (groups 10+ with reservation)</strong></td>
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<tr>
<td>Ages 3+</td>
<td>$5.50</td>
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<tr>
<td>Ages 0-2</td>
<td>Free</td>
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<td><strong>Museum On The Go Kits</strong></td>
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<td>Non-School Kit Reservation Deposit (returned after kit is inventoried)</td>
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<td>Late Fee</td>
<td>$50.00 per day</td>
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<tr>
<td><strong>Traveling Kit Demonstration</strong></td>
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</tr>
<tr>
<td>Presenter Fee</td>
<td>Call Museum for Custom Quote</td>
</tr>
<tr>
<td>mileage reimbursement for out-of-town locations</td>
<td>$0.54 per mile</td>
</tr>
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</table>
Attention K-12 and community educators, administrators, homeschooling families, and scout leaders -

The Children’s Museum is an official Makey Makey Invention Literacy Training Partner!

The Makey Makey Invention Literacy Workshop for Educators is a fun, hands-on learning experience where you’ll learn how to teach Invention Literacy, Making, and Design Thinking using the award winning Makey Makey invention kit. We’ll explore how to teach circuits and conductivity using Makey Makeys and then put those skills to use to design your own inventions! Participants will learn best practices and gain access to a multimedia training website that can be used when working with students or future trainees.

Known for the famous banana piano, the Makey Makey is not just for science! Applications in art, history, mathematics, civics, adapted learning, and much more!

Join our email list or like our Facebook page to be informed when workshops are scheduled.

2West 7th St. Bloomsburg  570-389-9206  chmuseum@ptd.net  the-childrens-museum.org
Appendix

SELECTED ACTIVITIES
EXHIBIT ROOM #1
Please walk.
Please be gentle with the exhibits.

1. Molly Turtle
   • Visit our turtle at her indoor habitat.

2. Greenway
   • Listen to the animal voices.
   • Feel the animal pelts.
   • Do a make and take activity.

3. Animal Architects
   • Crawl through the tunnel to learn about underground animal habitats.
   • Look at animal habitats above ground.
   • Do a make and take activity.

4. Bird’s Nest
   • Please remove your shoes to enter the nest
   • Try on a bird costume and sit in the large nest.
   • Identify the little birds and put them in nests.

5. Ramblin Rollers
   • Assemble the tracks on the magnetic wall.
   • Have the ball roll from top to bottom without jumping the tracks.

6. North Mt. Art League Changing Exhibits
   • Look at the artwork and answer the questions.

7. Longhouse
   • Design a wampum belt.
   • Turn the wheel to learn about life in a longhouse.
   • Use the mortar and pestle to mash corn.

8. Preschool Yard
   • Play in the boat.
   • Plant the flowers.

9. Preschool Cabin
   • Play and learn in the kitchen
   • Enjoy the dollhouse, toys and puzzles.

10. Under 2 Play and Learn Area
    • This area is for our youngest visitors and their caregivers.

11. Mighty Mouth
    • Brush the large teeth.

12. Switchboard
    • Listen to voices from the past.
4. Simple Machines
- Use hand wheels to send balls through the maze of simple machines
Appendix

Museum On The Go
Kit Info Request

(Please call the Museum to be sure your requested kit is available during the time you need it.)

Name of Kit
______________________________________

Date needed:____________________________________

Duration:_______________________________________

Number of students who will use the Kit:______

Grade level:_____________________________________

Your Name
______________________________________

Title:_______________________________________

Phone:_______________________________________

Email:_______________________________________

School Name and Address
______________________________________
______________________________________
______________________________________

CSIU School?  YES  NO

Please mail or fax this form to:
Children’s Museum
2 West 7th Street
Bloomsburg, PA 17815
570-389-9206
Hours: Tuesday through Saturday
10 a.m. to 4 p.m.

Parking Map