field trips and offsite programs

2012-13

Choose from 19 Exciting Programs that Support State Learning Standards

NEW Location featuring 8 galleries, a spacious art studio, 150 exhibits and 28,000 sq. ft. of interactive play!

Hands On
Children’s Museum

414 Jefferson St. NE
Olympia WA
(360) 956-0818
www.hocm.org
Top Reasons to Choose a Hands On Field Trip:

- The Museum is consistently voted “Best Place To Take Kids” in South Puget Sound.
- Field Trip Workshops support State Learning Standards including:
  - Essential Academic Learning Requirements (EALRs)
  - Core Content (CC)
  - Content Standards (CS)
  - FOSS Science Curriculum
- Interactive Museum Exhibits make learning exciting, engaging and fun!
- Our Arts & Parts Art Studio gives every student an opportunity to take home a unique work of art.
- Hands On 2U brings the Museum Field Trip experience to your school!

Hands On 2U!

Hands On 2U brings the Museum experience right to your school with hands-on art and science activities. We’ve added a new workshop to meet the growing demand for our traveling programs! Schedule a visit and find out why teachers are saying:

"This was certainly a ‘Hands on-Minds-on’ day for the classes! The Hands On 2U exhibits and activities were wonderful ways to get students excited about physics!"

Gayle Mar-Chun, Principal, Madison Elementary

See page 7 for a full list of Hands On 2U workshops!
Dear Educators,

We are thrilled to welcome you to our fantastic new museum! The museum features 8 galleries, a spacious art studio, more than 150 exhibits, and 28,000 sq/ft of interactive play!

Students will explore the wonders of the natural world. They can climb up our two-story Tides-to-Trees climber to reach an eagle’s nest and then slide down the Stream Slide to the underwater world of the Puget Sound marine creatures and create with a variety of new and recycled materials in our expanded Arts & Parts Studio. They will investigate the forces of push and pull in the 25-foot Air Maze and our new wind tunnel and explore “states of water” at our Ballcano water table with 8-foot tall vortex. Students can practice making healthy food choices in the Good for You Gallery or become a community hero in Emergency!

Enhance your visit with one of our exciting new workshops:

- **Drop In! Water Cycle Tour** is our new “mock field study” format. Students follow water through various states of matter, from snow-topped mountains to watersheds, stream, estuary, and, finally, evaporation.
- **In Energy! Plants & Solar Panels**, students assemble motors driven by solar panels while learning how studying the natural sciences can help you create new technology.

The authors of the new Federal Standards note that students learn science through science experiences. The Hands On Children’s Museum makes science an experience that is interesting and fun!

See you soon!

**The Hands On Children’s Museum Education Team**

I can safely say that over my years of travel from Japan to Africa that this is the best museum design I have ever seen for educating our youth about nature. It captures the essence of a watershed and its biology and it does so in a kid friendly way."

David Jamison, Marine Biologist, Science Program Advisor
**Group Admission**

Minimum of 10 students required for group rate. One adult required and admitted free for every 5 children.

<table>
<thead>
<tr>
<th>Visits</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>July - December</td>
<td>$6/student</td>
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<tr>
<td>January - February</td>
<td>$7/student</td>
</tr>
<tr>
<td>March - June</td>
<td>$8/student</td>
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**maximum class size**

<table>
<thead>
<tr>
<th>Field Trip Workshop</th>
<th>Rate</th>
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<tbody>
<tr>
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<tr>
<td>30 students</td>
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<td>40 students</td>
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**maximum class size**

<table>
<thead>
<tr>
<th>Stay for Lunch</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 students</td>
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<tr>
<td>30 students</td>
<td>$45</td>
</tr>
<tr>
<td>40 students</td>
<td>$50</td>
</tr>
</tbody>
</table>

*Note: Classes cannot be combined.*

Please Note: Museum memberships and passes are NOT valid for field trips or group visits due to discounted prices for group admission, free admission for teachers and chaperones, increased Museum staffing needs, and facility limitations to accommodate groups.

**Students in Need:** Hands On may have funding to cover a student unable to afford the field trip admission. If your class needs funding assistance, please call us.

**Payment Information:** Payment can be made at the time of your visit. We accept payment by a SINGLE purchase order, cash, check or VISA/Mastercard transaction.

**Reservations & Scheduling**

Phone (360) 956-0818 ext. 103
Fax (360) 754-8626
E-mail reservations@hocm.org

**Trip Planning**

**Accessibility:** All areas of the Museum are accessible. Attendants of people with disabilities are admitted free.

**Adult Chaperones:** You’ll need 1 adult chaperone for every 5 children. Chaperones are admitted FREE. If you are short on chaperones, please call at least one week ahead and we’ll provide a staff person for an additional fee. Workshop classrooms accommodate a maximum of 5 adults per session.

**Behavioral Expectations:** Children are asked to pick up exhibit areas after use and follow all safety rules. Chaperones are expected to facilitate appropriate behavior in the Museum.

**Stay for Lunch:** When available, space can be reserved for lunch. Please reserve lunch space when making reservation.

**Museum Store:** Our Museum Store has exciting toys that reinforce concepts in our exhibits. Students are welcome to shop, but must be supervised by an adult.

**Make a Day of It!**

The Museum is just a short walk from the Olympia Farmer’s Market, LOTT WET Science Center, and the East Bay Public Plaza.

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“This was the best field trip in the history of field trips!”

Nathaniel, age 6, Jefferson Lincoln Elementary School
Inquiry & Technology

Push and Pull (Grades K-5)
Explore the invisible forces of air pressure and gravity as you create a paper flyer for our wind tunnel. Change its shape or weight to improve its design and test the results!

EALR: Physical Sciences CC: Push-Pull & Position CS: K-1 PS1C-D
EALR: Application CC: Solving Problems CS: 2-3 APPA
CC: Different Technologies CS: 4-5 APPE
FOSS: Balance & Motion

Catapults! (Grades K-5)
A catapult demonstrates one of the six classical simple machines: lever. Moving its fulcrum changes how it launches. Construct your own catapult and send things flying!

EALR: Application CC: Tools and Materials CS: K-1 APPA
EALR: Systems CC: Role of Each Part in a System CS: 2-3 SYSA
EALR: Physical Science CC: Heat, Light, Sound & Electricity CS: 4-5 PS3B
FOSS: Balance & Motion, Ideas & Inventions, Levers & Pulleys

NEW!

Paper Engineering 101 (Grades 1-5)
Science, Technology, Engineering and Math merge in this fun workshop. Construct paper bridges then do destruction tests to learn how changing the shape of a material can make it stronger.

Teachers take home masters for creating a bridge building center in the classroom.

EALR: Application CC: Tools and Materials K-1 APPA
EALR: Inquiry CC: Conducting Investigations 2-3 INQE
EALR: Application CC: Different Technologies 4-5 APPE
FOSS: Wood and Paper, Matter and Energy, Models and Designs

Energy! Plants & Solar Panels (Grades 1-5)
Be part of a kid circuit system and assemble a motor that runs on sunlight! Learn how plants capture sun energy and turn it into food.

EALR: Life Science CC: Plants and Animal Parts CS: K-1 LS1F
EALR: Physical Science CC: Forms of Energy 2-3 PS3A
EALR: Life Science CC: Food Webs 4-5 LS2B
FOSS: Trees, Plants and Animals, Magnetism and Electricity, Models and Designs

You gotta check this out! Wow!”
Johnny, age 6, Chanbers Prairie Elementary

States of Matter

Dr Science: States of Matter (Grades 1-5)
Dr. Science makes science exciting with dramatic dry ice and states of matter demonstrations. Use changing states of matter to create a mini geyser.

EALR: Physical Sciences CC: Liquids & Solids CS: K-1 PS2A&B
CC: Properties of Matter CS: 2-3 PS2C
CC: States of Matter CS: 4-5 PS2A&B
FOSS: Solids and Liquids, Mixtures and Solutions, Water.

Also consider: “Drop In!” Museum Tour of Water Cycle, pg. 6

Integrated Science & Literacy
Workshops marked with this symbol are part of our Read All About It! Science & Literacy Series. You’ll receive a free book on workshop related science topics for your classroom to help students apply and extend their new knowledge. EALR: (Reading) Inquiry

State Learning Standards
Field Trip Workshops are designed to support: State Learning Standards: Revised Washington State K-12 Science Learning Standards (6/09)
CC: Core Content/CS: Content Standards
FOSS: Full Option Science System Curriculum

Mock Field Study
The workshop marked with this symbol simulates an outdoor field investigation of how natural systems work.
**Wood, Trees, & Paper**

**Nature's Papermakers** *(Grades K-3)*
Watch a papermaking demonstration and learn how an insect taught scientists to make paper from wood! Use eye droppers to test for absorbency.

EALR: Inquiry CC: Making Observations  
CS: K-1 INQA  
EALR: Physical Science  
CC: Properties of Materials  
CS: 2-3 PS2B  
FOSS: Trees, Paper, Wood

Also consider: **Paper Engineering 101 & Energy! Plants & Solar Panels**, pg. 5

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**Air & Weather**

**Wind & Whirligigs** *(Grades K-2)*
Build your own whirligig to observe wind speed and direction. Find out how the sun starts the wind moving.

EALR: Physical Science CC: Push-Pull and Position CS: K-1 PS1C  
EALR: Earth and Space Science CC: Water and Weather CS: 2-3 ES2C  
FOSS: Air and Weather, Balance and Motion

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**Animals & Habitats**

**Bee Buzz & “Bee-bots”** *(Grades K-5)*
Design and build a robot bee that moves with a vibrating motor. Learn how native bumblebees use vibrations to get food and make some for us too!

Extend learning to your classroom! Each class gets a kit to create a station where students can continue to explore building “Bee-bots.”

EALR: Life Science CC: Plant and Animal Parts CS: K-1 LS1E  
EALR: Life Science CC: Variation of Inherited Characteristics  
CS: 2-3 LS3A  
EALR: Life Science CC: Structures and Behaviors CS: 4-5 LS1B  
FOSS: Environments, Animals Two By Two, Insects, Models and Designs, Variables, Balance and Motion, Ideas and Inventions

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**See Like a Bee** *(Grades 1-5)*
Look through special lenses that let you see the world from a bee’s-eye-view. Make your own “bee viewer” and find out what color we can see that a bee can’t see.

EALR: Life Science CC: Plant and Animal Parts CS: K-1 LS1D  
EALR: Inquiry CC: Conducting Investigations CS: 2-3 INQE  
EALR: Systems CC: Complex Systems CS: 4-5 SYSA  
FOSS: Insects, Animals Two by Two

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**Home Sweet Habitat** *(Grades K-4)*
Learn about what makes an animal habitat. Make your own Nest Depot – where birds can “shop” for nest building supplies.

EALR: Life Science CC: Habitats CS: K-1 LS2B  
CC: Changes in Ecosystems CS: 2-3 LS2A  
CC: Structures & Behaviors CS: 4-5 LS1C  
FOSS: Environments, Animals Two By Two

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**We refer back to these experiences throughout our spring science units. Kids see science as FUN!”**

Susan Stillwell, Madison Elementary
Multi-Station Programs*

*Best suited for auditorium, gymnasium or cafeteria spaces

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FOSS: Environments, Animals Two By Two, Insects, Models and Designs, Variables, Balance and Motion, Ideas and Inventions

3-D Art: Calder’s Circus (Grades K-5)
Create and decorate a colorful, 3-D wire and fabric sculpture of a circus animal or acrobat. Get inspired by the fanciful work of artist Alexander Calder as you explore line, shape and form.

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Art GLE:
- Understand arts concepts and vocabulary
- Uses and produces 3-D forms in a work of art

Roller Coaster Science (Grades 1-5)
Explore the forces of gravity and friction as you design and construct a scale model of a rollercoaster. Compare balls of different sizes and weights on a race track, then use what you’ve learn to design a prototype for a race car.

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Energy! (Grades 2-5)
Use friction to create static electricity, build a thunder-maker as you learn about energy in a storm cloud. Be part of a kid circuit and assemble a motor that runs on sunlight!

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- Use friction to create static electricity, build a thunder-maker as you learn about energy in a storm cloud.
- Be part of a kid circuit and assemble a motor that runs on sunlight!

Animals and Habitats (Grades K-2)
Learn what makes an animal habitat as you build your own ‘Nest Depot’ where birds can ‘shop’ for nest building supplies. Make a model ladybug and learn which features prove this lady is an insect.

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Pricing: $175 per 1-hour session. 30 student maximum per session. A minimum of 4 sessions is required. Mileage fee added for visits outside Thurston County. Some grant funding is available for Rural/Title I schools. Call for information. Interested in a customized program? Ask us for a quote! For information and reservations call 360-956-0818 (ext 103).
**Good for You! Gallery** Proudly presented by Providence St. Peter Hospital.
Focused on healthy lifestyles and making good food choices, young visitors can role play in the Farmer’s Market, the 14 Carrot Café and the Healthy Home, growing, cooking and serving colorful foods.

**Puget Sound Gallery** Proudly presented by Taylor Shellfish & Seattle Shellfish.
Become the captain on the 2-story cargo ship and then explore Puget Sound sea life up close as you crawl through the hull and into Puget Sound. Operate the crane on the Port’s working waterfront, make and float your own boat, and don’t miss the Ballcano Water Experience with an 8ft tall vortex and the Puget Sound Science Table with HD digital microscope!

**Emergency!** Proudly presented by Olympia Emergency Services.
Kids can be community heroes with an Olympia Police Car, Fire Engine, Emergency Room, Medic One, Scream Room and 911 Dispatch Center.

**Snug Harbor** Proudly presented by Rick and Pam Panowicz.
The youngest visitors, crawlers, and waddlers will enjoy sensory investigations, quiet corners and exciting explorations.

**Fabulous Forest** Proudly presented by Weyerhaeuser.
Enter and explore a nurse log, visit the Animal Rescue Center, climb up into the Tree House and make fancy flying machines at the Woodland Wind Tunnel.

**Tides to Trees Climber** Proudly presented by Heritage Bank.
The two-story climber and slide are intertwined and lead to a giant eagle’s nest perched 70 feet in the air!

**Arts & Parts Studio** Proudly presented by Olympia Federal Savings.
Busy hands of all ages can choose from a huge assortment of new and recycled art supplies to express ideas and create their own unique works of art.

**Move It! Gallery**
It’s a huge Water Tower with viewers to “spy on” downtown Olympia. Send scarves and nerf balls through a 25-foot Air Maze. And in early 2013, you can build and test your own racecars!

**Build It! Gallery** Proudly presented by Rob Rice Homes.
Use our popular builder boards to build your own home or create sky-high Keva structures. Operate the yellow dump truck and watch for an awesome crane and sky cage coming in 2013.