Field Trip Guide & Group Visits

“In my 14 years of teaching, a field trip to Hands On is by far the best field trip experience I’ve had!”

Stephanie Darragh, 2nd Grade Teacher, Olalla Elementary

NEW!
• Hands On 2U Assemblies
• Makers Investigations
• Catered Lunches

2017-2018
A Field Trip to Remember!

Museum exhibits & programs are designed to support Washington State Learning Standards through dramatic play, investigation & hands-on activities!

- Engineer your own water or wind craft at the Water Table, and experiment with physics & fluid dynamics at the Ballcano and Wind Tunnel.
- Develop creativity as you shape clay, fashion artwork out of recycled materials, make puppets, and craft projects in the beautiful Arts & Parts Studio.
- Explore ecosystems, habitats, watersheds, life cycles, and animal adaptations in the Animal Rescue Center, at the Science Table video microscope, and in the Naturalist Cabin.
- Build math skills in the Good For You Gallery through dramatic play as students use grocery lists, count food items, weigh produce, and make change.
- Become a community hero in the Emergency! Gallery and direct your own play on the Forest Stage.
- Build it big in the Outdoor Discovery Center’s Driftwood Fort, explore a 30-foot Lighthouse, observe chickens and worm composters in the Children’s Garden, and investigate nature in the Naturalist Cabin.

Experiment – Discover – Create! Add a Classroom Workshop or “Makers” Investigation to your visit! Bring the museum experience to your school with our Hands On 2U Program. Highlights include:

- Make objects light up, spin, and buzz while experimenting with parallel and series circuits in Circuit Scientist (see Workshops & Makers Investigations, page 5).
- Schedule an assembly for your school and create a spark of excitement with the new Dr. Science Assembly Program: Science of Transformations or Super Cool Liquid Nitrogen (see Assembly programs, page 6).
- Bring LEGO WeDo Robotics into your classroom with a Hands on 2U Program (see Hands On 2U programs, page 6).

Call us to book your field trip or group visit TODAY! (360) 956-0818 x103

“It was brilliant! Kids and adults were all engaged. You’ve nailed it!”
The “Science Guy” from Annie Wright School

Field trip scholarships generously funded by:

The Goldberg Family Charitable Foundation, Boydston Foundation, and proceeds from Summer Splash! and Imagine That! Breakfast.
Reservations & Scheduling

Phone (360) 956-0818 x103
Fax (360) 754-8626
Email reservations@hocm.org

Trip Scheduling
Field trips can be scheduled Tuesday-Friday from 9:30am-3pm on a space-available basis. During peak field trip season (March-June) dates often fill a month or more in advance.

Length of Visit
Field trips are designed to last 2 hours. Add a workshop or investigation and we will extend your visit by 30 minutes! Larger groups or those wishing to extend their visit, may be able to do so for an additional fee depending upon group size, length of stay, and season.

Trip Confirmation
Before your visit, we’ll email you a confirmation letter that includes chaperone, museum, and parking information.

Trip Planning

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

Adult Chaperones
One adult chaperone is required for every five children and 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 $25 fee. Workshop classrooms can accommodate a maximum of six adults per session. Chaperones are expected to actively supervise students, including refraining from cell phone usage during the visit. Children are required to maintain safe behavior and appropriate language. All guests should wear attire appropriate for a family venue.

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

Lunchroom (25 minutes per class)
When available, space can be reserved for lunch. Please book your lunchroom when making a reservation. The Museum does not provide lunch unless pre-ordered 2 weeks in advance from the PlayDay Café. Note: adding a lunchroom does not extend visit time. See Sack Lunch Pricing for more information.

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

*Please Note
Museum memberships and passes are NOT valid for field trips or group visits. We can’t honor Museum memberships or passes to cover the cost of your students because group visits are already discounted, teachers and chaperones are admitted for free, and groups require increased Museum staffing.

Pricing*

Field Trips & Group Visits in the Museum

1. Admission
Minimum of 10 students required for group rate. 1 adult required for every 5 children & admitted free.
- July - February: $7/student
- March - April: $8/student
- May - June: $9/student

2. Add a Classroom Workshop or Makers Investigation
Workshop required for grades 4 and above.
- Maximum of 1 class per workshop.
- See description on page 4.
- Maximum Class Size
  - 5-30 students: $50
  - 31-40 students: $60

3. Add a Lunchroom
- Maximum Class Size
  - 5-30 students: $45
  - 31-40 students: $50

4. Add a Sack Lunch
- Minimum Order of 10
  - $5.75/person + tax
  - View the lunch menu at hocm.org/field-trips

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. A $25 fee applies to cancellations made less than 7 days before a scheduled field trip.

Hands On 2U at Your School
We can customize Hands On 2U programs for your class or school.

Classroom Workshops: $175 per 1-hour workshop, a minimum of 4 workshops. No more than one class per workshop.

Assembly Programs: $300 each per 30-45 minute program, minimum 2 programs. $500 for a single program.

Mileage fee added to Classroom Workshops & Assembly Programs.

After Hours Field Trips
Includes use of the entire museum for 2 hours, plus a separate space for food and belongings. Group size: 100 people max. ($400); 150 people max. ($475); 200 people max. ($550).

Limited Scholarships
Through generous contributions, a limited number of scholarships are available for rural, military, and Title I schools. For more information, visit us online at hocm.org or call (360) 956-0818 x103.
Add a Workshop or Investigation to Your Visit!

Put even more STEAM into your museum visit by adding a Workshop or Makers Investigation and extend your visit by 30 minutes.

STEAM: Science, Technology, Engineering, Art & Math  
NGSS: Next Generation Science Standards  
ELA: English Language Arts

Classroom Workshops • K-Grade 4

Add a Classroom Workshop to your museum visit and give your students a more in-depth, hands-on experience. Classroom workshops are 25 minutes and led by a museum educator.

Catapult Construction  
Recommended for Grades K-4
A catapult demonstrates one of the six classic simple machines: the lever. Construct your own catapult and learn how to use the fulcrum and board to aim!
- NGSS: Physical Science at grade K & Engineering Design at grades 3-5
- Math: Practices, Measurement & Data at grade K

Dr. Science: States of Matter  
Recommended for Grades 1-4
Observe dramatic changes in states of matter as Dr. Science demonstrates the differences between solids, liquids, and gasses. Conduct your own state of matter experiment as you create a miniature geyser.
- NGSS: Physical Science at grade 2
- ELA: Speaking & Listening at grades 1-4

Engineer Art Bots  
Recommended for Grades 1-4
Use everyday materials combined with motors to create an Art Bot that marks its path as it travels around. Tinker with your creation to create a variety of lines that demonstrate the art principles of rhythm & repetition!
- NGSS: Physical Science at grade 1 & Engineering Design at grades 3-5
- Visual Art: Line, Repetition & Pattern at grades 1-4
- Math: Practices at grades 1-4

Fossils Rock!  
Recommended for Grades 1-4
Learn about the paleo-geology of Washington state and compare and contrast body fossils and trace fossils. Students will create 3D casts of real PNW fossils.
- NGSS: Life Science at grade 3
- ELA: Speaking & Listening at grades 1-3
- Visual Art: Skills, Tools & Techniques at grades 1-4

Push Pull  
Recommended for Grades K-4
Explore the invisible forces of air pressure and gravity as you create paper flying machines and adjust them to hover or soar in our wind tunnel.
- NGSS: Physical Science at grade K & Engineering Design at grades 3-5
- Math: Practices, Measurement & Data at grade K
- Visual Art: Shape & Form at grades 1-4

“Wow! This is what a 21st century school should look like, sound like, and feel like.”

Johnee Herbet, Parent Chaperone, Stevens Elementary

Nature Makers Investigations

The Museum’s Nature Makers program addresses two of the most significant needs in early learning—inspiring early STEM education and connecting children with the outdoors. As students explore outdoor tinkering stations rooted in natural materials and processes, they will learn new STEM-based skills and concepts, and be excited to continue learning in the outdoors!

Nature Makers & Young Makers Initiative Supported by
Makers Investigations are hands-on and allow students & chaperones to move freely between activities as they experiment, discover & create!

**Makers Investigations • Grades 1-4**

The Maker Movement taps into a child’s natural inclination to explore & promotes the power of learning by doing.

**Circuit Scientist**
**Recommended for Grades 1-4**
Make things light up, spin, and buzz in this circuit experience. Your students will experiment with a surprising array of conductive materials, investigate parallel and series circuits, and discover the power of the sun using solar panels.
- NGSS: Engineering Design at grades K-5

**Nature Detective**
**Recommended for Grades 1-4**
Discover clues animals left behind and meet exotic creatures. Your students will become Wildlife Biologists as they use powers of observation to solve animal mysteries.
- NGSS: Life Science at grades K-3

**Silk Screen Design & Printing**
**Recommended for Grades 1-4**
Create a unique artwork while learning printmaking techniques. Students will design a paper stencil and print multiple copies of their artwork using a silkscreen press.
- Math: Geometry at grades 1 and 4
- Visual Art: Shape, Form, Space, Skills, Tools & Techniques at grades 1-4

**Young Makers Workshops • PK-Grade 1**
Young Makers Workshops are hands-on and promote the development of fine motor skills. Groups move freely between exploration centers while gaining experience with a variety of tools and materials.

**Young Makers: Art Lab**
**Recommended for ages 3-Grade 1**
Build your own painting tools, learn how paint is made, and mix unique colors. Use your homemade paints to create a one-of-a-kind work of art.
- NGSS: Engineering Design at grades K-1
- Visual Art: Texture, Color, Repetition & Pattern at grades 1-4

**Young Makers: STEAM**
**Recommended for ages 3-Grade K**
Use a variety of tools and experiment with hydraulics and pneumatics. Students will build 3D sculptures, create a circuit, and make music.
- NGSS: Engineering Design at grade K
- Math: Geometry at grade K
- Visual Art: Color at grades 1-4

**Young Makers**
Hands On’s Young Makers program, which has become a national model for early STEM learning, promotes tinkering, building, and investigation by giving children the chance to explore with real tools and diverse materials. “Making” taps into children’s natural instinct to explore, fosters the power of learning by doing, and directly supports the Next Generation Science Standards.

Book a field trip today! **(360) 956-0818 x103**
Hands On 2U!
Let Our Educators Bring Hands-On Art and Science to Your Classroom or School!

Classroom Workshops • PK-Grade 5
Hands-on art & science experiences in your classroom.

**Dr. Science: States of Matter**
*Recommended for Grades 1-5*
Observe dramatic changes in states of matter as Dr. Science demonstrates the differences between solids, liquids, and gases. Conduct your own states of matter experiments as you create a mini geyser & mix up a batch of non-Newtonian liquid slime.
- NGSS: Physical Science at grade 2 and 5
- ELA: Speaking & Listening at grades 1-4

**Fossils Rock!**
*Recommended for Grades 2-6*
Learn about the paleo-geology of Washington state and compare and contrast body fossils and trace fossils. Students will create 3D casts of real PNW fossils.
- NGSS: Life Science at grade 3
- ELA: Speaking & Listening at grades 1-3
- Visual Art: Skills, Tools & Techniques at grades 1-4

**Engineer Art Bots**
*Recommended for Grades 1-5*
Use everyday materials combined with motors to create an Art Bot that marks its path as it travels around. Tinker with your creation to demonstrate the art principles of rhythm & repetition!
- NGSS: Physical Science at grade 1 and Engineering Design at grades 3-5
- Visual Art: Line, Repetition & Pattern at grades 1-4

**Lego WeDo Robotics**
*Recommended for Grades 2-5*
Work together in groups using a laptop and a LEGO WeDo Construction Set. Build a robot that features a motor and a sensor. Students learn the basics of computer programming to create a behavior for their robot!
- NGSS: Engineering Design at grades K-2
- Math: Geometry at grade 1

**Dr. Science School Assembly Programs**
Assembly programs are perfect for larger groups, multiple classes, or the entire school.

**Super Cool Liquid Nitrogen**
*Recommended for Grades K-5*
Learn the super-cold characteristics of liquid nitrogen as Dr. Science smashes pennies, deflates a balloon, and makes ice cream in under 30 seconds!
- NGSS: Physical Science at grade 2

**The Science of Transformations**
*Recommended for Grades 1-5*
Dr. Science will create a spark of excitement in chemistry through live demonstrations where colors change, temperatures soar & explosive chemical reactions take place!
- NGSS: Physical Sciences at grade 2
Museum Galleries

The Hands On Children’s Museum includes more than 150 interactive exhibits, 9 themed galleries, a beautiful Arts & Parts Studio with a MakeSpace, and a half-acre Outdoor Discovery Center, all located next to the innovative East Bay Public Plaza with a 250-foot stream fed by reclaimed water.

**Good for You**
*Proudly presented by Providence St. Peter Hospital*
Focused on healthy lifestyles and making good food choices, young visitors can role play in the Farmers Market, the 14-Carrot Café, and the Healthy Home by growing, cooking, and serving colorful foods.

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

**Emergency!**
*Proudly presented by Olympia Emergency Services*
Kids can be community heroes with a Police Car, Fire Engine, Emergency Room, Medic One Van, and Airlift Northwest Helicopter. Measure decibels in the Scream Room and make a design on the Giant Light Bright while waiting in the Emergency Room.

**Our Puget Sound**
*Proudly presented by Taylor Shellfish & Seattle Shellfish*
Captain the two-story cargo ship and explore sea life up close as you crawl through the hull. Operate the crane on the working waterfront, make and float your own boat. Don’t miss the Ballcano! with its 8-foot-tall vortex and the Puget Sound Science Table with video microscope!

**Move It!**
*Proudly presented by Commencement Bank*
Enjoy being inside a huge Water Tower with viewers to spy on downtown Olympia. Send scarves and yarn poms through a 25-foot AirWays Maze. Explore positive & negative space with the life-size Pin Wall.

**Build It!**
*Proudly presented by Rob Rice Homes*
Use our popular builder boards to build your own home or create ski-high Keva structures. Operate the yellow dump truck.

**Snug Harbor**
*Proudly presented by Rick and Pam Panowicz*
Children ages 4 and under will enjoy sensory investigations, Big Leaf Maple Climber, and exciting art explorations in this gallery.

**Tides to Trees Climber**
*Proudly presented by Heritage Bank*
Climb up through nine habitat pods to reach a giant eagle’s nest perched 70 feet in the air! Then come swirling down the Stream Slide into Puget Sound.

**Outdoor Discovery Center**
*Proudly presented by WSECU*
Explore our Garden area and visit with live chickens, build a driftwood fort on our Puget Sound Beach, play in the Gravel Dig, and learn about flora and fauna in the Naturalist Cabin. Climb the new Lighthouse and enjoy activities under the terrace on nice days.

*Trike Loop is not open to groups.*

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**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 create their own works of art.

*MakeSpace, which is located in this gallery and is not open to field trips without booking a workshop.*

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**Book a field trip today!** *(360) 956-0818 x103*
Top reasons to choose a Hands On Group Visit or Field Trip

✔ The Museum is consistently voted a “Best Place To Take Kids” and the Outdoor Discovery Center is a “Going Wild!” national pilot site designed to reconnect children to nature.

✔ Our Interactive Exhibits make learning exciting, engaging, and fun!

✔ Young Makers workshops and investigations use tinkering & making to provide hands-on science, technology, engineering, art, and math experiences.

✔ Our Field Trip Workshops support State Learning Standards in Science, Language Arts, Math, and Visual Arts.

✔ Our Arts & Parts Studio gives every student an opportunity to take home a unique work of art.

✔ Hands On 2U brings the Museum experience to your school.

Directions!
From 1-5, take exit 105 towards Port of Olympia. Hands On is located on Olympia’s East Bay next to the LOTT WET Center; another great Field Trip destination.

Book a field trip today! (360) 956-0818 x103

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