



Oregon Museum of Science and Industry

**Position Title:** Physics Lab Facilitator

**Reports To:** Physics Lab Coordinator  
And VE Engagement

**Department:** Museum Ed.

**Location:** OMSI Museum  
Water Ave

**Position Summary:** Volunteers in the OMSI Physics Lab support museum guests' exploration of a variety of physics phenomena, from light and sound waves to magnets and hair-raising experiences with electricity! Volunteers should have enthusiasm for experimentation and passion for presenting hands-on learning activities in a safe manner to further engage museum guests in the amazing interactions that happen in the world.

#### **Essential Duties and Responsibilities:**

- Ask open-ended questions, co-investigate, and use other facilitation techniques to help promote inquiry and encourage museum guests to engage with physics phenomena
- Present various interactive physics demonstrations to an audience of diverse backgrounds and ages (demonstration examples include the dancing water bowl, vacuum chamber, Van de Graaf generator, and more; training provided)
- Assist in maintaining lab exhibits and activities, including refilling activity supplies and tidying exhibits
- Maintain a safe, secure, and inviting environment for museum guests and staff Assist staff with other duties as needed

#### *Working Conditions*

- Physical Demands: 70% sitting, 25% standing, 5% lifting/carrying 5-20 lbs;
  - Ability to push or pull carts and other equipment up to 5-20 lbs;
  - Requires some crouching, bending, or stooping;
  - Requires some climbing, crawling, kneeling, and twisting.
- Vision Demands include:
  - Close vision (clear vision at 20 inches or less)
  - Distance vision (clear vision at 20 feet or more)
- Environmental Demands include:

To apply, visit our [website](#) and find our registration form or for more information contact Volunteer Engagement at 503 797 4513 or [Volunteer@omsi.edu](mailto:Volunteer@omsi.edu)



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- Regular and consistent public interaction
- Noise Levels include:
  - Moderate (examples: indoor playground, light traffic)
  - Heavy (examples: gym class, elementary school recess)

**Knowledge, Skills, and Abilities :**

- Interest in physics or science education.
- Demonstrated interpersonal and communication skills and ability to provide positive, culturally-responsive customer service.
- Comfort and ability to engage diverse populations of learners in interactive learning, with an emphasis on customer service and presentation
- Ability to model and support teamwork and collaboration with colleagues (paid and unpaid) with varied skills and responsibilities;
- Ability to pivot between individual and team work.
- Ability to maintain a calm, friendly, and professional demeanor in a variety of settings.
- Ability to adhere to OMSI policies, procedures, timeliness, and professional appearance standards.
- Ability to learn current equity, diversity, inclusion and social justice theories and practical applications, including critical theories of systemic oppression, unconscious bias, and personal identity and intersectionality matter

**Schedule and Support:**

- Attend the following trainings or classes provided by OMSI:
  - Volunteer Orientation & Emergency Protocols
  - Mandatory Reporter Training (if over 18)
  - Hazardous Communication Training
  - Informal Education Training
- Minimum 4 hours per month
- Schedule follows Monday (if open)-Sunday shifts from 9:30am-1:30pm and 1:30pm -5:50pm.
- Volunteers will be asked to sign up for shifts which match their availability

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**Volunteer Benefits:**

- Training opportunities and a lifelong learning experience
- Admission for the volunteer to the museum exhibits and attractions based on availability
- An OMSI Family Membership upon completion of 50 hours of volunteer service
- Discounts in the OMSI Science Store and onsite eateries
- The opportunity to connect with new people and learn more about OMSI

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