

Museum Educator/Scientist
at Children's Natural History Museum
Full time or part time
(presently a 2 year position with grant restrictions)
starting date: winter, 2023

Math Science Nucleus
4074 Eggers Drive
Fremont, California 94536

Math Science Nucleus manages the Children's Natural History Museum in Fremont, California. This area has many Ice Age fossils and has an interesting geologic history that integrates with the Hayward Fault, hydrology, habitat changes over time, and general natural history of the San Francisco Bay area. The museum focus is on changes through time with the bulk of collections on the excavation of the fossils in the area.

The person in this position will teach K-6 field trips at Children's Natural History Museum about 20 hours per week. Materials are already developed so teaching skills are important, but science content is also important. Person may also do after school classes of their choice, mainly for elementary grades. There are many opportunities to generate money, and we will be flexible to allow applicant to be creative, but to help bring in funds. Some travel. Museum will be under renovation as we are designing new exhibits. We are looking for applicants that can help with making our field trips more alive with interactive displays. We have field trips that conform to California State Science Standards, and now have funds to create more interactive exhibits.

The field trips we currently provide schools can be found on the following link:
<https://www.ms-nucleus.org/classes/field-nucleus.htm>

Key Responsibilities:

Duties include but are not limited to:

- Set up, maintain curriculum materials
- Teach classes to K-6 students
- Promote classes by good communication skills with teachers, parents and school officials
- Help design new programs
- Develop new afterschool and summer camps that include new renovations
- Work with public
- Train and oversee docents when museum is open

QUALIFICATION:

- The ideal candidate would have minimum of B.S/B.A. in Paleontology, Geology, Chemistry or other natural sciences with 2 years' experience either in teaching or museum type position (for higher salary). Graduate degrees in paleontology/geology with museum experience commands higher salary. Retired scientists, teachers or graduate students are encouraged to apply.
- Excellent teaching, communication and leadership skills are a must.
- Be comfortable, enthusiastic, and technically accurate giving tours, and classes. Applicant will be trained on scientific content.
- Need to be comfortable speaking to groups of children and adults.
- Able to communicate to either group in a way that is engaging and interesting.
- Able to know basic computer skills to use online slideshows and storybooks
- Organized (very important)
- Keep up materials for teaching
- Valid California Driving license

COMPENSATION

- Beginning hourly wage is \$20.00 (\$41,600.00), depending on experience and education. Higher education and experience start at (\$25-\$40) depending on professional experience. Part time rate is negotiable.
- Benefits are negotiable after 3-month probationary period
- Allowed to write grants to fund education, with rapid increase of salary and benefits. Grant is for 2 years, with hopes person will bring in grants or museum funds.

ADDITIONAL INFORMATION:

The Math/Science Nucleus is a non-profit, educational, and research organization composed of scientists, educators, and community members. It serves as a science resource center to assist school districts, teachers, administrators, and community. MSN oversees several facilities in Fremont including the Children's Natural History Museum, Tule Ponds at Tyson Lagoon, California Nursery Historical Park, and Fremont Earthquake Exhibit. Currently we conduct over 230 field trips per year; summer camps, and scout programs.

TO APPLY or for more information (please look at website for an insight into our organization) **If you have questions, please email.** Send resume and 2 email references (who can comment on your science or work skills) to Dr. Joyce Blueford

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<http://msnucleus.org> E-mail : blueford@msnucleus.org

EQUAL OPPORTUNITY EMPLOYER