

STEM (Science, Technology, Engineering, Mathematics) Educator

AMOS is seeking an energetic, creative, and team-oriented STEM education team member. The ideal candidate will have an expertise in STEM education, a positive attitude and a collaborative spirit that contributes to the museum's mission and the experiences of all museum guests and students served.

Duration: Part-time, with required weekend and evening availability, 15-29 hours/week

Location: Asheville Museum of Science, 43 Patton Ave, Asheville NC 28801

AMOS Overview:

AMOS is the center for expert STEM (Science, Technology, Engineering, and Mathematics) learning in WNC. We strive to spark imagination and foster lifelong curiosity in the museum and through both in-house and outreach STEM education programs. These include field trips, in-school and after-school programs, intensive science camps, Saturday STEAM education, and involvement in events that serve our community. At AMOS we believe that our expert designed STEM programming contributes to our youth's interest in STEM, connection to caring adults who serve as role models, reduction of the achievement gap, and preparation for 21st century work environments.

Job Description:

AMOS STEM Educators provide high quality STEM Education that primarily immerses Pre-K-8th grade students in engaging discourse, builds on their prior knowledge, and gives them the time and space to investigate and explore. STEM education is a rapidly evolving world of immersive experiences, requiring educators to be ever growing, learning, researching and reflecting on the various fields of science, and the newest technologies and best practices. AMOS STEM Educators seek to actively develop their skills and knowledge of the STEM subjects as they develop meaningful curriculum to inspire guests and students through the engaging implementation of that curriculum.

At AMOS, STEM Educators also design and implement educational activities as needed throughout the year, including but not limited to afterschool programs, field trips and outreach programs, birthday parties, Saturday STEAM, Make & Mingle, and Science Pub. This role also requires basic coordination of museum volunteers as they learn to implement STEM activities for general admission visitors.

Educators work directly under the Education Coordinator, Operation Director and Executive Director, working approximately 15-29 hours per week, with potential for a full-time hours in weeks throughout the year.

Qualifications:

- Minimum 1-3 years' experience working with children, preferably in a classroom setting
- Able to demonstrate STEM lesson/activity planning and implementation
- Minimum 1-3 years' experience implementing STEM and hands-on science activities
- Demonstrated leadership through supervisory and team leader roles
- Current First Aid/CPR/AED certification or the ability to obtain
- Seeks to learn and grow
- Is self-directed and accountable for own actions
- Works well with teammates and supervisors
- Experienced with customer service
- Proactive in their curiosity about science and how the world works
- Desire to learn from others, try new skills on their own, and debrief to learn about how to improve
- Interest and willingness for public speaking
- Excellent communication skills, both verbal and written
- Experience and knowledge of PC, Microsoft Office, and Point of Sale systems
- Tech-savvy with ability to learn how to use the museum's database and presentation equipment

Preferred Qualifications:

- Bachelor's degree in science field, education or related field
- 1-3 years of classroom teaching experience or other classroom management experience
- Excited to share and grow their knowledge in the fields of Engineering, Computer Science, and the Maker/Tinker Movement
- Experience leading programming in the fields of computer science and robotics (Arduino, coding and programming, LEGO Mindstorm Robotics, Ozo Bots, Girls Who Code etc), maker technology (lasercutters, 3D printers),
- Experience designing and implementing STEM education professional development for educators
- Established connections with local and regional community organizations and/or experience building relationships with partner/community organizations

Essential Functions include but are not limited to:

- Creating and implementing unique programming for visitors of all ages, one-on-one and in groups
- Coordinating with guest speakers who are professionals, within the community in the field of science
- Communicating all needs of educational programs with Education Coordinator and/or Executive Director
- Being present and engaged throughout shifts with museum visitors and/or students
- Supporting with the organization and cleanliness of shared spaces, STEM Lab, and exhibits
- Maintaining cleanliness and order of STEM Lab and equipment. Leaves work areas clean at the end of each activity
- Assisting with the coordination of volunteers with directive from Operations Director and Education Coordinator
- Supporting museum staff and education team in other duties as appropriate
- Consulting with supervisors when you have ideas and solutions!
- Actively participating in staff and planning meetings
- Ability to lift 25lbs individually or 50lbs with help
- Ability to kneel, crouch and crawl when working with younger student groups
- Has a reliable source of transportation and the ability to arrive to work on time

If interested in applying, please email a **cover letter** and **resume** with subject line STEM Educator to Dani Hammond, AMOS Education Coordinator at edu@ashevillescience.org.

AMOS is a living wage certified and equal opportunity employer.