STEAM Educator – Position Description

Science & Discovery Center (SDC)

Reports To: Director of Education

Position Summary

The STEAM Educator is responsible for delivering engaging, hands-on STEAM programs that support the Science & Discovery Center's mission of inspiring curiosity, exploration, and lifelong learning. This position provides educational programming for Pre-k through 6th grade students in schools, after-school programs, community settings, camps, outreach events, and special programs throughout the region.

Working closely with the Program Manager and fellow educators, the STEAM Educator helps ensure high-quality educational experiences that promote creativity, critical thinking, problem-solving, and a love of learning.

This is a full-time position based out of the Corning office and focuses primarily on educational program delivery, curriculum development, participant engagement, and support of educational initiatives.

Core Responsibilities

1. Educational Program Delivery

- Deliver hands-on STEAM programs to students in schools, after-school programs, community settings, camps, and special events.
- Facilitate engaging learning experiences for learners of all ages and abilities.
- Participate in science shows, outreach programs, and community events.
- Deliver summer camps and seasonal programming as assigned.
- Utilize technology, hands-on materials, and inquiry-based teaching strategies to enhance learning.
- Maintain a positive, safe, and engaging learning environment.
- Adapt instructional approaches to meet the needs of diverse learners.
- Represent SDC professionally while interacting with educators, students, families, and community partners.

2. Curriculum Development & Educational Support

- Research and develop new STEAM lesson plans and educational activities.
- Assist with updating and improving existing curriculum materials.
- Ensure educational programs and activities align with New York State Learning Standards and Next Generation Science Standards (NGSS), supporting high-quality, standards-based learning experiences.
- Collaborate with the Program Manager and education team to strengthen educational quality and innovation.
- Contribute ideas for new educational programs and learning experiences.
- Prepare materials and supplies needed for program delivery.

3. Program Preparation & Logistics

- Prepare educational materials, equipment, and supplies for programs and events.
- Maintain organization and inventory of educational resources.
- Assist with transporting and setting up materials for outreach programs and special events.
- Help ensure materials and equipment are maintained in good working order.
- Support logistical needs related to educational programming.

4. Participant & Community Engagement

- Serve as a positive representative of the Science & Discovery Center.
- Build strong relationships with students, teachers, families, and community partners.
- Respond professionally to questions and inquiries during programs and events.
- Foster an inclusive and welcoming learning environment for all participants.
- Support community engagement activities that promote SDC's mission and educational programs.

5. Administrative & Data Support

- Assist with collection of attendance records, surveys, evaluations, and program documentation.
- Support data entry and maintenance of participant information.
- Assist with gathering information for program reports and grant documentation.
- Maintain organized program records and documentation.
- Support departmental and organizational initiatives as assigned.

Work Schedule & Classification

- Full-time position.
- Monday through Friday, generally between 8:00 a.m. and 5:00 p.m.

- Schedule may flex to accommodate evening programs, community events, camps, outreach activities, and special events.
- Occasional evening and weekend hours may be required.
- Must possess a valid NYS Driver's License and be able to pass a background check.

Key Decision Areas

- Recommend improvements to educational programs and learning experiences.
- Contribute ideas for curriculum development and educational innovation.
- Identify opportunities to enhance participant engagement and learning outcomes.
- Recommend improvements to educational materials and program resources.

Key Contacts

- Educational Leadership
- Executive Director
- Business Manager
- Education Staff
- School Administrators and Teachers
- Families and Program Participants
- Community Organizations and Partners

Required Skills & Qualifications

- Strong communication skills, both verbal and written.
- Ability to effectively manage a classroom and engage learners of varying ages and abilities.
- Knowledge of instructional strategies and techniques for diverse learners.
- Flexibility and adaptability to meet the needs of students and program participants.
- Strong customer service and relationship-building skills.
- Proficiency with educational technology tools.
- Proficiency in Microsoft Office and Google Workspace.
- Excellent organizational skills and attention to detail.
- Ability to work independently and collaboratively.
- Self-motivated with a high degree of professionalism.

Education Requirements

- Bachelor's Degree in Education or a related field required.

- Master's Degree preferred.
- NYS Teaching Certification preferred.
- Minimum of two years of experience working with children in an educational setting preferred.
- Classroom teaching experience is a plus.

Success Measures

- High-quality educational program delivery and participant engagement.
- Positive learning experiences and participant feedback.
- Consistent implementation of SDC educational programs and curriculum.
- Strong relationships with schools, families, and community partners.
- Effective support of education department operations and program delivery.
- Consistent representation of the Science & Discovery Center's mission and values.