

Open Position Title: STEM Educator

The STEM Educator creates, oversees and delivers Aerospace Center for Excellence on- and off-site educational programming, hands-on activities, and STEM resources for grades Pre-K through 12th. Program offerings include summer camps, field trip workshops, STEM demonstrations, Cub/Girl Scout badge workshops, homeschool classes, weekend and holiday workshops, off-site afterschool and outreach programs, and other programs of varying length and frequency.

Salary Range: \$40,000-\$50,000 (Follows ACE teacher salary pay scale)

Responsibilities and Expectations:

- ❖ Works collaboratively with the ACE Education Director, Polk County Public Schools and STEM Educators to develop and deliver program curriculum involving hands-on activities and projects using STEM concepts and Next Generation Science Standards.
- ❖ Prepares all materials related to the activities/projects.
- ❖ Documents and organizes curriculum materials.
- ❖ Works with students from diverse backgrounds with varying needs (e.g., family situations, ages, learning styles).

The STEM Educator contributes to the overall mission, vision and planning of the educational programming at the Aerospace Center for Excellence by drawing on their experience in developing and implementing hands-on and creative activities for students, Pre-K to 12th grade. This may include the design and construction of STEM equipment for student projects, activities, and demonstrations.

This position is well suited for candidates with an entrepreneurial spirit and creative approach to experiential education. Strong classroom management, communication, teamwork, and presentation skills are required. The Aerospace Center for Excellence is a fast-paced non-profit environment. The STEM Educator will collaborate with other staff members, STEM professionals in the community, hourly educators, and volunteers to deliver new programs as well as maintain or modify existing ones all while working within a prescribed budget. The STEM educator will build positive long-term relationships with external individuals, youth-serving agencies and STEM-related organizations.

The STEM Educator will maintain high standards for quality and innovative programming to attract new audiences and returning participants. They will work closely with other staff members to market educational programming. He/she will preserve and promote the reputation of the Aerospace Center for Excellence by providing high-quality programming for as many children as possible, including underserved audiences such as low-income families, young females, and differently-abled children (includes physical, mental, and emotional disabilities). They must be comfortable working with individuals ranging from Pre-K to adult with varying science backgrounds. The STEM Educator will ensure that participants have successful experiences and work closely with teachers and/or parents to discuss child behavior/learning outcomes before and/or after programming.

A high degree of organization is required. The STEM Educator will procure, construct, and maintain supplies as needed for educational programming. This will include collaboration with other staff members (e.g., Education Director, Museum Educator) and external STEM professionals. General

laboratory upkeep and storage area order is expected. The STEM Educator will be expected to keep good records of expenditures, evaluations, and reporting data as required.

The STEM Educator will create assessment materials to measure the educational value and overall impact of programs. They will develop activity guides, pre/post activities, and teacher questionnaires to evaluate program effectiveness.

Outside of the classroom, the STEM Educator will collaborate with Polk County Public School curriculum specialists to ensure educational programming is aligned with Florida Department of Education standards. The STEM Educator will update and/or develop documentation that demonstrates standards alignment for educators.

Supervision of Others:

Recruits, trains and manages contract/hourly staff, program volunteers, and interns as appropriate. Evaluates performance.

Knowledge, Skills, and Experience Requirements:

Florida Teaching Certification required. Additional certification in science disciplines, technology, and engineering, and mathematics subjects preferred. General Knowledge of Aerospace and Aviation concepts preferred (Advanced Ground Instructor Certification, AGI is required within six months of hiring) *materials provided through ACE.

- ❖ Three or more years of teaching experience with students in kindergarten through 12th grade.
- ❖ Experience in an informal science education environment desired, with responsibility for coordinating all aspects of individual programs from conception to implementation and assessment.
- ❖ Experience setting program goals, objectives, and evaluation.
- ❖ Four-year bachelor's degree required.
- ❖ Strong computer knowledge required (word, excel, PowerPoint).
- ❖ First aid/CPR preferred.

Working Conditions:

Non-profit, informal educational organization. Fast-paced environment with many varied, simultaneous projects. Carrying and lifting of educational materials, tables, and chairs.

- ❖ Must have a reliable form of transportation.
- ❖ Must be able to lift and carry as much as 30 pounds.

Time Commitment:

Full-time salaried position. Periodic travel to schools and other organizations within Florida and occasional conferences across the country. Must be flexible to work occasional evenings, weekends and extended hours when needed.

Interested candidates can send their cover letter and resume to:
Human Resources
HumanResources@flysnf.org