

STEM Educator at the Virginia Air and Space Science Center

Full Job Description

About Us

The Virginia Air and Space Science Center, NASA Langley's Visitor Center, is a vibrant, nonprofit museum featuring interactive aviation exhibits spanning 100 years of flight, more than 30 historic aircraft, a hands-on space exploration gallery, unique space flight artifacts, and more! VASSC has been sparing imagination, discovery and learning through its education-focused exhibits and STEM-centered programs. VASSC serves a diverse population of families, school groups, and community organizations through interactive play-based exhibits, NASA summer camps, IMAX documentaries, and special events year-round. VASSC is one of Hampton's top family destinations providing enriching learning experiences for children with creative programs and larger-than-life movies.

The Opportunity

Looking to teach STEM and influence the next generation? The Virginia Air and Space Science Center is looking for passionate STEM Educators who want part-time, flexible contract-based positions in the Hampton Roads area. The STEM Educators will be responsible for providing pre-designed STEM content to K-12 students in and around the Hampton Roads Area. The majority of our field trips occur Monday - Friday during the school day.

VASSC has hosted over 10,000 STEM field trips and more than 300,000 students nationwide! Our STEM Educators guide students of all levels through an immersive, hands-on learning experience. During our program, every student will learn STEM concepts related to various Virginia Standards of Learning Guidelines.

Job Responsibilities:

- Deliver in-person and virtual presentations, introducing students to grade-appropriate STEM concepts related to various Virginia SOL topics.
- Collaborate with VASSC Education Staff to demonstrate various STEM-related content topics.
- Facilitate a grade-appropriate science activity or experiment.
- Participate in training sessions to learn VASSC STEM educational programs
- Engage with school teachers and parents to elicit constructive feedback about the Education Program.
- Work with VASSC Education Staff to ensure successful program implementation.
- Communicate regularly with fellow STEM team members to ensure proper content and problem solving.
- Provide weekly updates, reports, and materials to the STEM Faculty Coordinator.
- Performs other related duties, as required or assigned.

Qualifications:

- High School Diploma
- Valid Driver's License
- Teaching experience in a classroom, camp, museum, or other STEM education setting
- General knowledge of basic STEM subject matter
- Ability to understand instructions and work independently as well as collaboratively on tasks.
- Comfortable teaching and leading groups, up to 40 students at a time (average group size is approximately 30 students)
- Energetic and care about engaging children and adults in STEM learning

- Strong public speaking skills
- Experience providing excellent customer service
- Strong interpersonal skills
- Proficiency with Google and Microsoft Applications (Google Docs, Slides, Sheets; Microsoft PowerPoint, Word, Excel)
- Ability to react positively to rapidly changing circumstances

Ideal:

- Coursework beyond a high school diploma in science, engineering, mathematics, STEM education, or related field
- Experience with inquiry-based teaching methods
- Experience developing and delivering classroom STEM lesson plans and activities

Physical Demands

- Walking, standing, stooping, bending
- Carrying up to 30 lbs.

VASSC is committed to and accountable for advancing diversity, equity, inclusion, and sustainability in all of its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity in society and nature, and engage all individuals to help them thrive. We value inclusion as a core strength and an essential element of our public service mission.

This is a contract position. Hours vary based on seasonality, schedule, and needs. Majority of field trips occur Monday – Friday during the K-12 school day.

Job Types: Part-time, Contract

Work Location: One location