



**West Virginia State University Research and Development Corporation  
Institute, WV 25112**

**Job Title:** STEM Educator

**Department/ Office:** CASTEM

**Reports To:** Director of CASTEM

**FLSA Status:** Exempt

**Position Overview:**

The STEM Educator operates within the West Virginia State University Research and Development Corporation's Center for the Advancement of Science, Technology, Engineering, and Mathematics (CASTEM) and provides highly interactive educational experiences and lessons for PK-12 youth using a variety of methods and in a variety of settings. The incumbent delivers programs both on-campus and in locations in Kanawha and surrounding counties. The STEM Educator also participates in the development of new programs and STEM content, as well as other forms of educational delivery.

**Major Duties and Responsibilities include but are not limited to the following (other duties may be assigned as needed):**

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Deliver innovative hands-on informal STEM-based youth programs and curricula.
- Deliver educational experiences through the on-campus Aerospace Education Laboratory
- Prepare and teach classroom workshops for student groups, both on-campus and offsite.
- Perform the tasks involved with the set-up and breakdown of programs and all associated administrative tasks
- Participate in the program development process by conceptualizing new programmatic initiatives and/or additional STEM content for existing programs.
- Contribute to the research and selection of STEM programmatic content.
- Participate in ongoing professional development sessions, continuously advancing one's own science content knowledge and understanding of pedagogy.
- Collaborate with local, state, and national educational outreach programs to conduct and promote STEM educational workshops and outreach activities
- Provide educational outreach assistance to in a variety of settings both on-campus and in local communities (e.g. classrooms, after school

programs, student groups, local and regional science fairs, public outreach events, on-campus events, summer camps, etc.)

- Participate in programmatic resource development and management by proactively seeking external funding opportunities, writing grants, and managing budgets.
- Act as an ambassador of WV SU CASTEM, engaging members of the public, onsite and in schools and other community settings, or in media interviews when subject matter expert is needed.

## **Competencies**

1. Technical Capacity.
2. Personal Effectiveness/Credibility.
3. Ability to work with minimal supervision
4. Thoroughness.
5. Collaboration Skills.
6. Customer Service skills
7. Communication Proficiency.
8. Flexibility.
9. Software skills (MS Word, MS Excel, and Outlook) are required, as well as Internet research abilities.

## **Supervisory Responsibility**

The STEM Educator carries out any assigned supervisory responsibilities in accordance with the West Virginia State University Research and Development Corporations policies and applicable state and federal laws. Responsibilities of the position may include interviewing, hiring, and training volunteers and student workers; planning, assigning, and directing work; appraising performance; rewarding and disciplining volunteers; addressing complaints and resolving problems.

## **Work Environment**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The noise level in the work environment is usually moderate. This job operates in a professional office environment. This role routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines.

## **Physical Demands**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable

accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit and reach with hands and arms. The employee is frequently required to stand and walk. The employee is frequently required to bend and stoop. Specific vision abilities required by this job include ability to adjust focus.

### **Position Type and Expected Hours of Work**

This is a full-time position. Days and hours of work are Monday through Friday, 8:30 a.m. to 5 p.m. Summer Schedule is Monday through Friday, 8:00 a.m. to 4:00 p. m. However, due to the nature of the work performed flexible hours, including evenings, weekends and occasional overnights are required.

### **Travel**

Travel within Kanawha and surrounding counties is expected.

### **Experience/Qualifications:**

BA/BS in a STEM field or STEM Education required. Inquiry-based teaching experience and/or advanced degree a plus.

Individual needs to be self-motivated, out-going, able to work in a team environment, demonstrate a passion for STEM, be comfortable speaking in front of large groups, and willing to teach audiences of all ages. Flexible hours, including evenings, weekends and occasional overnights required. Valid driver's license in good standing. The ability to lift and carry 65 pounds.

### **Additional Eligibility Qualifications**

Selected candidate will be expected to obtain certification in adult and youth CPR and basic first aid within the first year of employment.

### **Other Duties**

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

### **Work Authorization/Security Clearance**

**This position is designated as security-sensitive. Before an offer of employment is made, a pre-employment background investigation will be completed, which may include a criminal background check, educational, DMV and prior employment.**

Please send cover letter, resume, unofficial transcript, and recent letters of recommendation from three professional references with contact information to:

Brunetta Gamble-Dillard, Director of Business and Finance,  
West Virginia State University Research and Development Corporation, POB 1000, 204 ACEOP  
Administration Building,  
Institute, WV 25112.

PREFERRED: Information accepted as e-mailed in Word or PDF format to

[rdemployment@wvstateu.edu](mailto:rdemployment@wvstateu.edu) Position is open until filled.

WV State University Research and Development Corporation is an Equal Opportunity/Affirmative Action Employer and does not discriminate against any person because of race, sex, age, color, religion, national origin or disabilities.