Science, Technology, Engineering and Math (STEM)

STEM Ambassador Position Announcement

Title: WVU STEM (Science, Technology, Engineering and Math) Ambassador

Open: Applications are due May 4, 2012. Announcement is effective until positions are filled.

Type of Position: Salary $2500 stipend for full project ($100 day for 25 days of work on the project). Room and board provided while on assignment.

Time Required: May 29, 2012 to August 19, 2012 (or a portion thereof). Some weekends and overnight stays will be required. Full assignment schedules will be determined based on need and availability.

Location: Various locations throughout the State of West Virginia; location to change weekly for duration of assignment.

General Purpose: WVU Stem Ambassadors will travel throughout the state during the time frame of May 29, 2012 to August 19, 2012. Stem Ambassadors will deliver pre-arranged STEM curriculum at county 4-H day and residential camps, and summer youth program sites. Counties will be assigned by the STEM supervisor. Ambassadors will also do programs at one to three State 4-H Camps, located at Jackson's Mill in Jane Lew, WV. STEM Ambassadors will represent their sponsoring college and perform STEM activities during the West Virginia State Fair in Lewisburg, WV and at State 4-H Days on the WVU campus in Morgantown. STEM Ambassadors will be available for supporting WVU and sponsoring college activities throughout the summer months. Ambassadors will have the opportunity to work up to 25 days during the May 29 through August 19, 2012 timeframe.

Responsibilities:

Working under the direction of the supervising Extension Faculty member, the STEM Ambassador will:

1. Lead organized STEM educational classes and activities, including (but not limited to):
    - Deliver STEM curriculum Courses
    - Offer STEM activities throughout the day
    - Assist Camp Director and camp staff (in camp settings)
    - Camper Counseling and/or youth supervision duties (in camp settings)
    - Other activities and classes within the instructor's training and expertise
    - Provide information about their major, their college and WVU to youth participants
2. Participate in STEM Ambassador Training May 29-June 2. This is a mandatory training held at WVU Jackson's Mill.
3. Maintain effective communications with STEM supervisor, and WVU College Liaisons.
4. Follow all guidelines and policies of the West Virginia University Extension Service, and WVU College Liaisons.
5. Exercise mature, professional judgment in assuming responsibility for and working with youth.
6. Prepare and submit reports and conduct evaluations as requested by the Supervisor.
7. Arrive at assigned site and conduct needed activities on a timely basis.
8. Each Ambassador will be evaluated by their Supervisor.

Qualifications:

Individuals serving as 4-H STEM Ambassadors must have:

- A high school diploma or equivalent with at least one year of college (30 credit hours)from a sponsoring college. Graduate students are encouraged to apply.
- Eligible college majors are in the Eberly College of Arts and Sciences are: Biology, Chemistry, Physics, Geology, Mathematics, Forensic Biology and Forensic Chemistry and Toxicology and in the Benjamin M. Statler College of Engineering are: Aerospace Engineering, Biometric Systems, Chemical Engineering, Civil and Environmental Engineering, Computer Science, Computer Engineering, Electrical Engineering, Industrial Engineering, Mining Engineering, Mechanical Engineering, and Petroleum Engineering
- The ability to be energetic, enthusiastic, quick-thinking, flexible, diplomatic and prompt;
- The ability to teach and motivate youth while nurturing positive self esteem, decision-making skills, responsibility and leadership in youth;
- A sincere commitment to cooperating with others to further the educational purposes of the of the STEM curriculum
- Provide own transportation (mileage at the State approved rate will be reimbursed)
- Ability to pass criminal background check.

Essential Functions:

Ability to deliver curriculum on a variety of STEM topics;
Ability to communicate in written and verbal forms and work with youth and adult participants of differing age and skill levels; provide necessary instructions to youth;
Ability to observe youth behavior, assess its appropriateness, enforce appropriate safety regulations and policies and emergency procedures and apply appropriate behavior management techniques; Visual and auditory abilities to identify and respond to environmental and other hazards related to activities; Ability to assist youth in emergencies (fire, evacuation, illness, injury); Possess physical strength and endurance required to maintain constant supervision of youth and perform other assigned duties.

Questions about the STEM Ambassador Positions?

For information about the content of the program or the work to be performed, contact: John Kessell, at (304) 293-7108, or via email at john.kessell@mail.wvu.edu

For information about the hiring process, contact Kim Suder at 304/293-8613 or via email at KESuder@mail.wvu.edu

For information about submitting your application materials, contact Joyce Clark at 304/293-2695 or via email at JDClark@mail.wvu.edu