

Job Title: After School STEM Educator
Date Position Opens:
Date Position Closes: When filled
FLSA Status: Non-Exempt
Hours: Part-Time. ~16 hours per week.
Programming will occur Monday-Thursday, 2:45 to 4:45PM
Prep time will also be expected and compensated
Program runs February 11-March 21 and April 8- May 16, 2019

SUMMARY: The After School STEM Educator will facilitate Young Women in Science after school programming for middle school girls from the Grand Rapids Public School District. This position directly reports to the Learning Specialist. A description of the program is below:

Students will explore themes connected to the science and engineering of building a sustainable future for Grand Rapids, with a strong emphasis on energy. The program will combine career-related exploration with female role models working in science professions and hands-on laboratories that emphasize design and innovation.

Program laboratories will include: experimenting with hydrogen-powered cars, solar panels, wind turbines, supercapacitors, and tests for harnessing energy from salt-water, ethanol, and the human body.

At the culminating Family and Friend Showcase, students will display the product of a renewable energy design challenge and share a reflection of their program experience.

RESPONSIBILITIES AND DUTIES include the following. Other duties may be assigned:

- Deliver education programs to female middle school students from Grand Rapids Public Schools
- Implement and follow differentiated lesson plans
- Lead classes of up to 18 students in hands-on, science investigations and lessons centered around the process of science, renewable energy and design
- Organize supplies and program materials promptly to be prepared for each day of programming
- Work with Museum staff to evaluate and adapt programming as necessary

REQUIRED QUALIFICATIONS AND EDUCATION:

- Bachelor's degree in Education, Science or coursework towards degree with related experience with children, and/or any equivalent combination of training and experience
- Experience working with middle school-aged students in educational settings
- Strong communication and organizational skills

PREFERRED QUALIFICATIONS AND EDUCATION:

- Experience working with students from urban schools
- Experience in informal learning environments, including after school programs, libraries, museums, nature centers
- Experience with Designing Thinking or other engineering/design processes



- Experience leading or participating in science laboratories, working with glassware, circuits, or other chemistry/physics/biology equipment

PHYSICAL DEMANDS: The ability to climb stairs and move around a classroom to facilitate lab work

WORK ENVIRONMENT: This educator must be organized and professional while managing a classroom of middle school students and creating a safe, fun environment for learning