



EDGE²

Empowerment and Development of
Girls in Energy & Engineering

Powered By  envirolution

E-Power Bike Workshop 2023

General Information

- **What is an Energy Bike?**

An energy bike is a traditional bike that sits in a stand that has a generator hooked up to the bike and an electrical board. The electrical board has different light sockets and outlets to plug in a variety of devices. Envirolution utilizes the energy bike in the Project ReCharge curriculum to teach students about a variety of energy concepts such as transformation of energy, energy efficiency and more.

- **Who is considered an underrepresented population in STEM?**

Women only comprise 27% of the workforce in STEAM-related fields. This number drops significantly regarding the representation of women of color in STEAM fields. Program EDGE has a goal to serve these underrepresented groups in an effort to develop young women of this demographic to become energy leaders and encourage them to pursue a STEM career through hands-on and empowering events and workshops.

- **What should be included in the teacher recommendation?**

Please include why you feel this student would be a good candidate for this pilot workshop. Speak to the student's interest in basic circuitry and/or potential interest in STEM. Letter of recommendation should speak to what qualities the student has that would be of advantage to a team of young engineers.

- **How will I be considered to participate?**

Applications will be reviewed on a submission basis and upon review participants will be selected to participate in the week-long workshop.

- **What is the deadline to apply for participation?**

Friday March 17, 2023

- **When will I be notified if I am selected as a participating district?**

On or before Monday, March 20th, 2023

- **How many middle school students may participate from my school?**

Up to six participants are to be selected from Grade 8 (Spring 2023)

- **What is the cost of the program?**

Everything during the five days of the workshop is **completely FREE**. Transportation can be arranged for students who require ride assistance.

- **Is there a dress code for the workshop?**

Yes, we ask that each school require their students to adhere to their school's dress code and understand that we will be moving around frequently. We ask the girls to bring an appropriate 'business casual outfit' for the visit to Tesla on Thursday October 6th.

- **Can the participants bring their favorite electronic item?**

We ask there be no use of electronic items during the scheduled events. We will provide music during the building of the bike. We want full participation of everyone attending.

- **What is the E-Power Celebration?**

Each participant will receive an Energy Bike Workshop Certificate as well as participate in the final presentation of the E-Bike to family, community members, and sponsors. The E-Power Bike Celebration will take place from **3:00pm to 4:00pm on Friday March 7th, 2023 at Eagle Valley Middle School**. Lunch and refreshments will be provided by Envirolution.

- **How do I get the Energy Bike back to my school district?**

Envirolution will arrange with the teacher to have the Energy Bike transported back to the school.