



EDGE²

Empowerment and Development of
Girls in Energy & Engineering

Powered By  envirolution

E-Power Bike Workshop April 3rd-7th, 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. The bike is also a great tool during outreach and school events.

- **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's goal is to serve this specific underrepresented group in an effort to develop young women of various minority groups to become energy leaders and sparking encouragement to pursue STEM careers through attending the E-Power Workshop.

- **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 recommendations 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 5-day E-Power Workshop.

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

The deadline for all applications for the E-Power Workshop is **Friday February 17th, 2023**.

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

Students will be notified of acceptance or denial to participate in the E-Power Workshop by **Wednesday March 1st, 2023**.

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

Up to twelve participants are to be selected from Grade 6th, 7th and 8th from Eagle Valley and Carson Middle School.

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

Everything during the five days of the workshop is **completely FREE, thanks to our wonderful sponsors.**

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

Yes, we ask that students adhere to their school's dress code and understand that we will be moving around frequently.

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

We ask there be no use of electronic items during the E-Power Workshop. We want full participation of all attendees.

- **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 April 7th, 2023 at Eagle Valley Middle School 4151 E 5th St, Carson City, NV 89701**. Snacks 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.