



2020-2021

Energizing Student Potential

Putting Energy into STEM in the Classroom

Program Guidelines and Application – Continuing Schools

*Applications must be received by
September 30, 2020*

Apply online at:

<https://app.wizehive.com/apps/ESPCMD2020>

For Questions:
Contact The NEED Project at 800-857-5029 or mspruill@need.org.

Pepco and the Exelon Foundation, in partnership with the National Energy Education Development (NEED) Project, District of Columbia Public Schools, and the Office of the State Superintendent of Education, are launching year four of Energizing Student Potential (ESP), a STEM-focused energy program for grades 4 - 8 in the District of Columbia. This program brings together standards-based curriculum for use by librarians/media specialists and partnering teachers in both the library and classroom setting.

Energizing Student Potential is a collaborative educational initiative designed to empower young students to explore opportunities in STEM fields and help them discover their own path to innovation through a variety of classroom subjects.

ESP is designed to help educators bring energy into the school and to provide all the tools and resources necessary for students and teachers to learn together, explore energy together, and teach their local communities about energy. The program begins with an energizing workshop in October and additional training days in November and December. The program culminates with school hosted Energizing Student Potential Energy Fairs in the Spring and the submission of a presentation or video showcasing the school's activities. Presentations/Videos are reviewed for awards.

This program will accept up to 75 schools (public, private and charter) in this and will provide schools the following:

- Three Days of Professional Development for librarians and classroom teachers.
- District standards aligned curriculum and hands-on kits
- Environmental Frameworks aligned curriculum
- An Energizing Student Potential Energy Fair Kit to host an Energy Fair and Carnival at your school and a \$150 cash grant for supplies.
- An opportunity to apply for \$400 cash grants to supplement your ESP STEM Program
- A free half-day Educational Energy Audit for students to learn about their school building with energy professionals (optional)
- Connections to STEM professionals to help students see all the possibilities of STEM and Energy Careers
- Returning schools receive replenishment materials for their kits and the opportunity to apply for grants and receive educational energy audits and more
- Support from the ESP team at the NEED Project, DCPS and OSSE.

Students and educators engage in science, technology, engineering and mathematics activities in library and classroom activities while learning fundamental principles of energy use and conservation. Students learn best when engaged in inquiry learning, and the activities and explorations included in the program allow them to think, explore, share, and develop a profound respect for energy and the world around them.

We know that teaching others helps us learn as well, and the Kids Teaching Kids philosophy woven throughout The NEED Project curriculum helps keep students of all learning styles engaged and excited to learn. The lessons and projects in this program are designed to allow students to teach their peers as well as their local community.

We hope you will join us for this exciting opportunity!

Applications are due by September 30, 2020.

What is expected of schools participating in Energizing Student Potential?

1. The school Media Specialists and/or Classroom Teacher or Librarian-Media Specialist/Teacher team participates in a three-day series of trainings in 2020-2021. These workshops are designed and delivered by The NEED Project and breakfast, lunch, parking, and substitute reimbursement are provided. Attendance and full participation is required for acceptance to the program. Please remember to secure release time for these workshops. Substitute reimbursement is provided.
2. Work with students, faculty, parents and community members to plan and implement an energy focused STEM project in your community.
3. Incorporate the program's energy-focused curriculum and related activities into your 4th-8th grade science and technology programs between September and June.
4. Host an Energy Fair at your school for the local community. This Energy Fair will include an Energy Carnival and hands-on energy lessons for your school community. Schools will be provided an Energy Fair Kit that will include all needed resources for the Energy Fair. A cash grant will be provided for supplies.
5. Work with NEED to plan for the educational energy audit experience for a select team of students. NEED's Certified Energy Manager will work with a group of students to survey the school building and make recommendations for increasing energy conservation in the school.
6. Communicate with the ESP team about how things are going in your program. Respond to emails, take quick surveys about progress, and share your successes.
7. Share about your program via your school and community communication networks and social media. For example, PTA newsletter, community newsletter, Facebook, Instagram, Twitter.
8. Pull photos, student work and other exciting elements together in a presentation and/or video about your programs and its results. Submit the presentation or video for review by **June 1, 2021**.
9. Complete educator evaluations and submit to NEED no later than **June 1, 2021**.

Who should apply for the Energizing Student Potential program?

- District of Columbia librarians and teachers serving students from fourth to eight grade. Librarians and classroom teachers are encouraged to partner on the program.
- Schools looking to expand or enhance their out of school time programming or club activities.

Energizing Student Potential - Application for Participation

*This PDF is provided as a guide for the Online Application.
Applications are due on or before September 30.*

To apply online: <https://app.wizehive.com/apps/ESPDCMD2020>

Please be sure to submit all application components and respond to all questions:

1. School Information:

School

School Type (Public, Private, Charter)

Name of Person Completing Application

Title

Address

City, State, Zip

Phone

Email

% of free lunch

Did you, the applicant, participate in the program last year?

Yes, I participated at the same school.

Yes, I participated at a different school.

No, I have not previously participated in the ESP program.

Did your school participate in the ESP program last year?

Yes, I ran the program last year at my school.

Yes, but the program was run by someone else.

No, my school was not part of the ESP program last year.

2. Principal of the School

Name

Phone

Email

3. Additional Information

Grades taught at this school

Number of students attending this school

Number of students participating in your proposed program

Are you partnering with the Librarian or Classroom Teacher? Please include: (optional)

Name

Email

Subject/Grade

4. **Please provide responses to the following questions:**

1. In what years has your school participated in the program?
2. Why should your school be selected to continue in this program?
3. What grade level(s) will you include in the program?
4. How do you plan to expand your previous ESP program for this school year? Please Explain.
5. How did the program add to your students' academic and leadership development?
6. How did the program enhance your school's learning environment?
7. What do you and your students plan to do as your STEM project?

5. **Endorsements and Acceptance of Program Expectations**

NEED evaluations have shown that the most successful schools have support at the administrative level. Does the school have the active support of the principal/vice principal/curriculum specialist to provide the administrative support needed for the project? Check any/all that have indicated support for your school to participate in the project:

_____ Principal/Assistant Principal

_____ District and/or school curriculum specialist (library, science, technology, etc.)

6. **Signature** _____

By signing above, you certify that, if selected, your school has the administrative approval and support to fully participate in Energizing Student Potential and accepts the expectations of the program.