



ADVISORY NEIGHBORHOOD COMMISSION 3E

TENLEYTOWN AMERICAN UNIVERSITY PARK FRIENDSHIP HEIGHTS
c/o Lisner-Louise-Dickson-Hurt Home 5425 Western Avenue, NW Washington, DC 20015
www.anc3e.org

GRANT APPLICATION

Grants are available only to non-profit organizations; individuals may not apply. Applicant organizations must provide services to residents of ANC 3E. Within 60 days of the issuance of any grant, the grantee must provide to the Commission a statement as to the use of the funds consistent with the grant application, complete with receipts that support the expenditures. Grants may be submitted by e-mail to sherryacohen@gmail.com or mailed to ANC 3E c/o: The Lisner-Louise-Dickson-Hurt Home at the address above.

Please complete all items. Incomplete applications will be returned and not considered. Attach additional pages if needed.

1. Applicant Organization Name Wilson HS PTSO/Wilson Physics Department

Address 3950 Chesapeake St NW

Washington DC

Contact Person Anna Kessler/ Travis Hartberger Telephone 202-282-0110

Fax _____

e-mail anna.kessler@verizon.net
Travis.Hartberger@k12.dc.gov

2. Project Information

Name of Project Wilson High School Physics Lab STEM Advancement Update

Description of Project

This grant will impact nearly every student in his/her junior year at Wilson, affecting 2,000 students over the course of four years alone. With this iequipment, the Physics Department can spark a life-long interest in science and technology, which will help interest our scholars in choosing STEM Careers. This request DOES NOT DUPLICATE items that DCPS would ordinarily pay for. This is a request for state of the art equipment that will provide our scholars the best STEM experience possible. Specifically the request would fund Go Direct Force and Acceleration Sensors, Go Direct Photogate, Go Direct Motion Detectors, and Go Direct Acceleration Sensors. Four different types of sensors and detectors that will allow students to make measurements quickly on things they cannot measure with a regular timer, cell phone or camera. The motion detector sensor can sense a spring moving up and down and get a quick graph of the spring's movement or record distance and time and to create a speed graph instantaneously. The acceleration sensor would instantaneously generate data on movements, for example investigating Newton's third law, measuring centripetal force and acceleration simultaneously, or investigating concussion-related impacts. TGo Direct Photogate includes two photogates built into the arms of a sensor, which accurately measures velocity and acceleration and can be used to measure Newton's second law. The force and acceleration sensor would help conduct experiments to d etermine impulse and change in momentum based on measurements of force and velocity and create a mathematical model of the relationship between impulse and the change in momentum.

Location of Project Wilson HS Washington DC

Total Project Cost \$6,819.00 Grant Request \$1920.00



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Where will additional funds needed to complete the project come from? _____

Wilson PTSO is working with other area ANCs, working to secure private grant funding, and parent donations to fund the entire cost of the project. The project is designed so that if one tranche of funding does not come through, the other components can still be funded.

Describe the benefits to the residents of ANC 3E

Wilson serves more than 500 students each year in physics classes, currently with outdated and broken lab equipment, meaning that students are often missing out on lab experiences and falling behind in STEM education. Ensuring the physics department has state of the art STEM lab equipment benefits not just the students at the school, who hail from all 8 Wards, but also benefits local residents by ensuring they have a superior public high school in the neighborhood, enhancing property values. This project will also support movement to Honors For All Physics, which will begin in SY 19-20 providing enhanced class offerings to

challenge students intellectually at all levels, ensuring that Wilson can offer right-sized educational offerings that meet a variety of academic challenges, helping better meet the needs of all kinds of ANC 3E students, as well as those in other parts of the city who attend Wilson. Enhancing the offerings at the only matter of right high school that serves ANC3E residents provides benefits to all families in ANC3E that see a quality public education for their child. Roughly 300 students each year from Ward 3 take Physics at Wilson, or 1200 students over four years - a number that will grow as the school introduces Honors For All Physics, providing an additional path for students that isn't AP Physics and isn't "Concepts of Physical Science."

Attach a complete budget for the proposed project.

The expenses must be incurred within 60 days of receipt of funds or a signed contract must be submitted to the Commission. Once the contracted services are complete, which should be done within 6 months from receipt of funds, the grantee must forward a copy of a paid receipt to the Commission. The funds may not be used for routine expenses.

As a duly authorized representative of the Applicant, I submit this grant request.

Date June 4th, 2019 Signature _____

Print Name Travis Hartberger & Anna Kessler (Wilson PTSO)