

Name of District and Schools	Name of Program	Expenditure	County of District	Description of demonstrated and/or expected outcomes	Teacher
Perkiomen Valley School District, High School	High School Computer Science Sphero iOS Programming & Elementary Service Learning	\$1,199.00	Montgomery County	<p>The Sphero robotic program is a well documented engaging program capable of enticing younger students into computer science skills such as programming and spatial concepts. Additionally, Sphero can be used in multiple STEM areas. Essentially, high school students could integrate app design into Sphero. Students could design customized applications that control Sphero far outside of what they can do with a traditional app.</p> <p>To optimize the usage of Sphero, High School students will guide K-12 students and community members at our annual Hour of Code hosted in December.</p> <p>Finally, offered as an upcoming proposal to a pilot project, Sphero can be used as a bridge between computer science concepts and core curriculum. High School students would mentor elementary aged students to program Sphero robots to illustrate conceptual modeling in various core courses. Focusing on Projects First, Principles Later models of Scalable Game Design Scalable game design: A strategy to bring systemic computer science education to schools through game design and simulation creation. ACM Transactions on Computing Education, 15(2)) students can be introduced to Computer Science curriculum in a core subject that is generally perceived as a neutral learning environment.</p>	D. Pennebacker
Perkiomen Valley School District, Evergreen Elementary	Movement Enhanced Learning Through Pedal Desks - adjusted to Under Desk Bike Pedal Exerciser	\$1,400.00	Montgomery County	<p>We would like to implement the use of two 2-Person Pedal desks in two different 2nd grade classrooms. The Pedal Desk is a table that includes a seat with pedals. The students can sit at the desk, completing their work, while their legs pedal in a circular motion. It will allow them to attend to their movement needs while they complete their classwork.</p> <p>These classrooms were chosen due to the student population which includes several students performing below grade level as well as students with difficulty focusing. Several studies have been done over the years that show a strong correlation between movement and academic performance.</p> <p>This project would allow these students to sit at the desks, while pedaling and completing their work. Students can use these desks during classwork, including during testing, a time that often makes it difficult for students to focus. ADJUSTED GRANT: We would like to award \$1400.00 to purchase approximately 6 under desk devices for this pilot.</p>	K. Long, A. Beisswenger
District Office	Elementary Science Inquiry	\$3,556.00	Montgomery County	<p>Science education seeks to explore unique phenomena or concepts in the world around us. This is done through the process of scientific inquiry where students answer questions or solve problems through developing claims, gathering evidence, and creating their own reasoning. In order to be successful scientific thinkers, students must be given the resources and tools necessary to develop their understanding.</p> <p>This project addresses specific concepts found both in the PA State Science Standards and PSSA Grade 4 Assessment Anchors. Each proposed item will help to enhance the current science curriculum in each grade by allow students to participate in hands on inquiry-centered labs or activities. Each item has been specifically targeted to hit a need in the current curriculum or hit a commonly assessed concept found in the PSSA exam.</p>	D. Johnson
Perkiomen Valley School District, Middle School East	Devices for Student-Centered Learning	\$9,000.00	Montgomery County	<p>We are piloting a Grade 6 ELA resource: Collections. This resource is a multi-modal support for students that includes both print application as well as digital tools to transition to more 21st century learning. In order for teachers and students to fully utilize this resource, students need consistent, daily interaction with digital devices. Collections offers an online platform that supports student engagement and increased literacy opportunities, including online text annotation tools; a myWriteSmart feature where students can write, collaborate, and digitally exchange ideas; Interactive Lessons for Writing, Speaking & Listening; motivating eMagazines and multi-disciplinary videos that capture interest and illuminate content. We would love to implement as soon as possible as teachers and students are already using the resource.</p>	K. Ferlick, M. Woodward, K. Gehman

Perkiomen Valley School District, High School	Mobile Devices for Class Pro	\$12,300.00	Montgomery County	The integration of technology leads to a more effective learning environment when students have access to a mobile device or a computer of some sort. Various projects are completed in both teacher's classrooms that involve a digital product or are asked to use different online resources and tools to conduct research, explore curricular material, and enhance learning. The technology requested will enhance student engagement by allowing students to interact directly with presentations, discussions and simulations. ADJUSTED GRANT: to provide 30 devices, 30 cases and one cart.	A. Petersen, T. Connolly
Perkiomen Valley School District, High School	Actions and Reactions!	\$2,459.00	Montgomery County	This project is designed to engage students in documenting and exploring chemical reactions. Students will participate in filming, photographing, and producing short videos about the reactions they see in the classroom and explore while supervised. These videos will be made public via PVTv, YouTube, and/or dedicated social media outlet. Students will be involved in all aspects of the productions, utilizing and enhancing their skills in media editing/production. Proposed Budget: Canon XA-10 video camera \$1499.00, Battery Pack \$140, Battery Charger \$95, Soft Protective Case \$80, Wireless Microphone \$250, Tripod \$45, S&H \$150	Aaron Rudolph
Perkiomen Valley School District, Evergreen Elementary	OSMO: Learn, Create, Play Beyond the Screen	\$2,740.00	Montgomery County	OSMO is a learner-led iPad game system that uses physical objects and learning tools in conjunction with iPad. Teachers love OSMO's versatility in the classroom and the way it fosters student learning in key areas like Social-Economic, Creative Thinking, STEM and Common Core. Proposed Budget: 5 games @ \$99/each and 5 mini iPads @ \$299/each Actual Cost: 5 games @ \$99/each, 5 mini iPads 32GB with Wi-Fi @ \$409/each, 5 cases @40/each.	Megan Oleckna
Perkiomen Valley School District, Schwenksville Elementary	Elementary Science Inquiry	\$189.99	Montgomery County	The equipment purchased would use the projector already in the Library to create an interactive whiteboard on a wall's surface without the expense of a Smartboard. This will allow interactive technology lessons to be completed in the school library. The project would be ongoing throughout the school year as all grade levels can be utilizing the wireless interactive whiteboard system Proposed Budget: \$189.99 for an IPEVO IW2	Joan Curtis
Perkiomen Valley School District, High School	Innovation and Design with Vinyl Cutting	\$3,587.33	Montgomery County	The Department of Technology and Engineering, we allow for our students to experience several different areas of technology & engineering; however, one area of technology in which our department would like to expand upon is the area of graphic design. Graphic design is a crucial part of the design process. In order to expand upon this area of technology is through the use of a Vinyl Cutting device. The process of Vinyl cutting and design is relatively new process. A vinyl cutter is a type of computer controlled machine. Small vinyl cutters look like computer printers. The computer controls the movement of a sharp blade. This blade is used to cut out shapes and letters from sheets of thin self-adhesive plastic (vinyl). The vinyl can be stuck to almost any surface. This technology has limitless potential for what it can output, it all comes down to the creativity of the students. Proposed Budget: cutter @ \$2257.98, Heat Press @ \$474.98, Dust Cover @ \$89.95, Vinyl stock (approx 45 yds) \$679.42	Matt Storm
Perkiomen Valley School District, High School	Connected English	\$10,150.00	Montgomery County	In the Fall a new course will be offered, Connected English, a nontraditional English course designed to meet student needs through experimental learning opportunities and high academic standards in the areas of reading, writing, speaking, and listening. This course will be geared toward 11th and 12th grade students who have thus far failed to thrive in our traditional environments. (requesting 30 chromebooks @\$300/each and a cart @\$1000.) (Actual Cost: \$300/Chromebook, \$25/License, Cart/\$400)	Susan Coryat

Perkiomen Valley School District, High School	21st Century Media and Journalism	\$10,150.00	Montgomery County	21st Century Media and Journalism has encountered massive changes recently, and our program at the HS is in need of support. Recently our HS Journalism courses and the high school newspaper club have transitioned from a print-based product to an entirely on-line version of the school paper. Technology is in need for the classroom in order to facilitate the many new aspects of journalism in the 21st century. The newspaper club and class have an existing online platform and Twitter account, but lack the technology to maintain these new platforms fully. We also look to explore as many new options in media communications and journalism as we can. Requesting 30 chromebooks (@9000) and a cart (@1000) and S&H (@500). (Actual Cost: \$300/Chromebook, \$25/License, Cart/\$400, no S&H)	Joe Tornambe
Perkiomen Valley School District, High School	Economic Course Support	\$8,028.50	Montgomery County	The School Board approved the implementation of a new Economics course at the HS that will meet either the 8 credit elective requirement or one of the 4 credits required in Social Studies. This course will have an online text book and will encompass the most recent trends in economic theory as well as economic societal trends. The instructor of this course currently does not have consistent, daily access to technology to initiate this component. (school board allowed \$3000) Proposed Budget: 30 online textbooks (@\$24.95/each), 30 "The Economist" subscriptions (@ \$130/each), 30 Chromebooks (@ 305 plus license 25 = \$330), cart (@ \$1329). (Actual Cost: \$300/Chromebook, \$25/License, Cart/\$400, 1 The Economist subscription. -\$3000 provided by School Board approval)	Jason Costello
Perkiomen Valley School District, High School	Library Learning Lab	\$8,412.83	Montgomery County	The Library Learning Lab will allow for 35 Lenovo N22 Chrome Books, 35 Google Chrome Management Accounts as well as 2 storage carts to be purchased for the PVHS. This will allow teachers to sign out carts. It will also allow students to utilize these devices in the library. This grant will also assist in addressing the inequities within buildings across the district.	Barbara Russell
Perkiomen Valley School District, Middle School West	Laptops for technology education	\$35,000.00	Montgomery County		
Total		\$108,172.65			

Daily Bread Community Food Pantry
 Fall Donation 500lbs of food
 Spring Donation \$ 2,000.00