

Name of District and Schools	Name of Program	Expenditure	Description of demonstrated and/or expected outcomes	Teacher
Perkiomen Valley School District, South Elementary	iSee, iHear, iFeel, iLearn with iPads	\$2,124.00	The Occupational Therapy/Special Ed Dept. would like to incorporate the use of iPads into therapy sessions to improve student outcomes and therapist efficacy. Students will develop improved visual motor skills by correctly identifying and tracing upper and lower case letters. Students will demonstrate improved bilateral coordination skills by correctly manipulating and stabilizing. (price decrease due to incorporating this grant with another for the 10pk pricing, Life Proof cases and iTunes gift card)	Brigid Lyman, Kathy Aman, Erin Ewing
Perkiomen Valley School District, Middle School East	Pico Boards	\$1,320.60	The Pico Board is a piece of hardware called a sensor board that can be combined with MIT's Scratch programming environment to allow Scratch programs to react and even respond to events happening outside of the computer. A sensor is a device that detects/senses and measures the presence or absence of something. With this project the hope to enrich student learning and higher level thinking with projects and topics that are STEM based. Specifically the want is for students to gain basic foundational skills that will get them ready for the next step, and expand those across multiple disciplines, in order to improve academic growth. (30 Pico Boards and 30 cables) Learning computer science requires engagement and commitment. What students learn in our courses translates into math improvement, science comprehension and effective language skills. Having this device in the class would allow students to program in Java, test on a computer and apply it in the drone. Debugging leaves the computer and enters a tangible world where students can employ reasoning, physics and countless engineering principles.	Tim Mumford Dan Pennebacker
Perkiomen Valley School District, High School Perkiomen Valley School District, High School, Middle School East, Middle School West, Skippack Elementary, Southe Elementary, Schwenksville Elementary and Evergreen Elementary	Drone Programming PVSD Annual Day of Service	\$299.00	The goal to foster a culture of community involvement and awareness throughout the District on the Annual Day of Service. It will support the opportunity for our students to give back to the larger community. With the expansion of the event to include elementary-age students, we will be able to provide the opportunity for students from across various levels to collaborate.	Jessica Lester, Ryan Stanson-Marsh, Sean Berk, Patti Colucci
Perkiomen Valley School District, High School	Technology & Engineering: 3D Printer	\$4,298.77	3D printing is a manufacturing process that quickly creates a tangible object from a digital file. A 3D printer produces a part of object by melting and precisely depositing thin layers of plastic as identified in an electronic model or CAD drawing. The possibilities and potential of this emerging technology are seemingly endless.	Andrew Colvin
Perkiomen Valley School District, High School	Art	\$3,116.49	The use of Wacom tablets will expand curriculum by allowing us to enhance our students' experience in the art room. These devices are standards for animation, game development, fashion design, product design, digital imaging, graphic design and all creative fields. (10pk Wacom Intuos Pro Pen & Touch Tablet Medium and Carry Case)	Tom Komp
Perkiomen Valley School District, Schwenksville Elementary	MakerSpace	\$2,108.93	A MakerSpace is a concept and physical space where students are free to imagine and given the tools, make what they imagine. MakerSpaces provide creative time and a space for students to build prototypes, explore questions, fail and retry, collaborate with others and create.	Walter Silver

Perkiomen Valley School District, Evergreen Elementary	Music Composition through Technology	\$3,761.00	Students will be introduced to the use of technology in the General Music classroom to create and critique songs and performances. This will be done through the use of iPads, microphones and the Garageband app. Students will be able to record, edit and mix their own music or sound effects for any project. Podcasting and video production are also possible using the app. (7 iPads in the 10pk with O.T., cases, Apple Tv, Garageband, iPad microphones)	Robin Myren
Perkiomen Valley School District, High School	Mobile Devices for Class Projects and Student Use	\$3,090.00	Various projects are done at the High School level where students are asked to produce a digital product or asked to use different online resources and tools to conduct research, explore curricular material and enhance their learning. Having devices (such as 10 iPad minis) available to the classrooms from the Library would help support many projects. While in the Library, students could use these devices as a way to explore the Library and resources as well as work on multimedia or other work requiring a device.	
Perkiomen Valley School District, Middle School East	3D Printers	\$3,482.70	Currently in Technology and Engineering, our students use 2D computer design using CAD. 3D printing would improve students' CAD proficiency and give them exposure to 3D modeling software. This gives students the ability to design and create a tangible object that will be used on classroom projects and activities. The Board approved to give one printer to MSE and one to MSW. We would need to provide an additional "Smart Extruder for MakerBot Replicator & Replicator Mini" for equity increasing the grant to \$3,482.70 from \$3,307.70.	T. Mumford, K. Kirsinger V. Quintangeli
Perkiomen Valley School District, High School	Solar Powered Student Device Charging Station	\$2,390.00	The project request is for support to purchase and install a moderately-powered solar charging station that will enable students to charge their portable devices using usb chargers. This project has an educational impact in that it demonstrates that solar power can be used in chargers. An educational impact - that is demonstrates the solar power can be used in this northern climate, and will be able to demonstrate for those interested, how such power is available (separated from the PECO power grid) and what mechanical systems and devices are needed.	C. Rogers K. Lainhart S. Clemmer
Perkiomen Valley School District, High School	Real-time data collection probes	\$999.10	A classroom set of real-time probes can easily be used with the current technology infrastructure and with currently used software licenses. The use of data collection probes will ensure that students are meeting "Science as inquiry" standards.	R. Dreger
Perkiomen Valley School District, High School, Middle School East, Middle School West	Reading for Life	\$5,500.00	OverDrive subscription provides access to ebooks and audiobooks for students. OverDrive is the ebook/audiobook platform used by public libraries as well as many school districts. This system is compatible with all devices. (\$2k for HS, \$1k for each MS). Having devices available to the classrooms from the library would help support various projects. (request was for \$7k, we are approving \$5.5k)	B. Quintangeli, et al.
Perkiomen Valley School District, Special Education and STEM	Robot for Autism and STEM	\$2,070.80	The CCRES Educational Foundation approved a grant for the purchase of a NAO Robot. This request is for the software and subscription service that will create its ability to interact in a quasi-human way with our students experiencing the symptoms and characteristics of autism. Primary goal of the project is to be able to support the social interaction growth of our students who are challenged by normal human social situations. This device has been demonstrated to have an amazing ability to appear non-threatening to students. Perhaps because of the limited facial cues that are presented, the interactions with the device seem less confusing and therefore much more supportive and positive.	C. Rogers A.M. Lucas
Total		\$ 37,576.39		
EITC Donation Univest		\$18,263.30		
EITC Donation Ambler Savings Bank		\$ 16,157.65		

Total with EITC

\$ 71,997.34