2016-17 Innovative Education and Technology Grant Recipients
Total Awarded: $45,058

Program	School	Recipient(s)	Grant Amount
Innovative Education Grants			
STEM Solutions: 21st Century Learning with LEGOs The STEM (Science, Technology, Engineering, and Math) educational initiative seeks to bring multi-disciplinary, real-world learning experiences to students to prepare them for the world in which we live. The LEGO WeDo 2.0 and Simple Machines kits will allow students to learn about the scientific principles of simple machines and programming, and how these are the building blocks of technology.	John R. Bonfield Elementary School	Jason Balsbaugh Kathy Steinour	$3,000
	John Beck Elementary	Melissa Vulopas Erin Smith Linnea Martin	$3,000
	Lititz Elementary	Jason Balsbaugh Trista Todd	$3,000
	Kissel Hill Elementary	Will Maza Erin Smith Linnea Martin	$3,000
Revealing the Radical Realms of Radiation Two common forms of radiation include electromagnetic radiation and nuclear radiation. This grant money will purchase 6 SpectroVis Plus Spectrophotometers, 5 SpectroVis optical fibers, and 2 digital radiation detectors so students can better study nuclear radiation and electromagnetic radiation during the units on atomic theory and atmospheric chemistry. Students will use the spectrophotometers for a multitude of other experiments and topics in chemistry, biology, chemistry II and organic chemistry.	Warwick HS	Doug Balmer Diana Griffiths	$2,995

Exploring Biotechnological Techniques This grant will purchase biotechnological equipment needed to extract and isolate segments of DNA that are subsequently amplified using the polymerase chain reaction. The amplified DNA then undergoes gel electrophoresis for analysis. This grant, plus a $5,000 grant from Toshiba, allows teachers to expand on the biotechnology unit within the Genetics curriculum. A lab where students will identify the perpetrator in a crime by creating genetic fingerprints using PCR and gel electrophoresis. The equipment will be shared within the science department.	Warwick HS	Krista Roe	$3,000
One Book, One School, One Community *~ Sponsored in part by Howard and Susan Kramer* This grant involves our students, their families, and our community in a unified literature-centered program. Everyone will read the same book! This school-wide and community-wide program will encourage literature activities within our schools and promote collaborative projects among our elementary buildings. Students and their families will have the opportunity to participate in authentic literature-based discussions.	John Beck Elementary School John R. Bonfield Elementary School Kissel Hill Elementary School Lititz Elementary School	Colleen Heckman Lisa Rothermel Marilyn Moffett Becky Noon Reeny Morell Heather Bellows Will Maza Lauren Leitzel Jaynie Korzi Christine Landis Patty Appel Sue Oswald MaryLou Nelson Tina Barnhart Andrea Shertzer	$2,200 $2,530 $ 3,000 $2,560
One Minute Reader This reading application engages our most struggling readers with a fun and effective way to increase fluency and comprehension practice. The One Minute Reader iPad App accelerates reading achievement by combining the teacher modeling, repeated reading and progress monitoring. The reader masters a story by reading along with audio and then practicing the story until he or she can read it fluently and with comprehension.	John Beck Elementary School	Janell Banack Kristen Kellenberger Cindy Cislo Rebecca Noon	$720

Mallet Madness Literacy Mallet Madness is a collection of engaging units for using mallet instruments in the music classroom. It promotes literature and learning in the concept areas of beat, rhythm, melody, harmony, form and expressive qualities through the use of songs, poems, music-to-literature connections and reproducible flashcards. A CD-ROM whiteboard application is included in the Mallet Madness package.	John Beck Elementary School	Michele Conrad	$488
3-D Printing for Rapid Prototyping 3-D printing systems are an emerging technology with a demand-based need for student preparation. The purchase of a 3-D printer will expose our students to the same technology they will encounter in their careers as engineers, designers and scientists. The access of a 3-D printer in the classroom will provide students the opportunity to develop 21st century skills related to science, technology, engineering and math (STEM).	Warwick HS	Sheldon Christner Marty Meier	$2,670
Music, Motivation and Mentor Text This grant provides students the opportunity to enhance their language arts skills, specifically, in the area of grammar and writing in an engaging and unique way. Educational songs and quality mentor text will be purchased and used in explicit ways to teach specific skills from an existing Language Arts curriculum and a new grammar curriculum. A mentor text is a piece of writing that can be used to teach about some aspect of a writer's process or craft.	John R. Bonfield Elementary School	Reeny Morell Lindsey Buckwalter Beth Chadwick	$2,550
The History of Stuff… Then and Now! The purpose is to gain more books to extend the learning for our students using engaging, grade appropriate text. The History of Fun Stuff books will catch the students' attention while they learn about how things started. Using subscriptions to "News-O-Matic," an app for the iPad, will bring current events into our classrooms with text and content appropriate for the grade level.	John Beck Elementary School	Alyson Kernion Angela Rubin Valisa Vealey	$2,400

Advanced Chemical Upgrade This proposal allows our students to access costly chemicals that will advance the potential of our students' science fair projects. The quality of the projects will improve with the ability to purchase these chemicals. Science fair is a part of the Honors Chemistry curriculum at Warwick High School. In the past two years, approximately 40 projects have had to be rejected due to budgetary constraints and limited ability to purchase the needed resources/chemicals.	Warwick HS	Laurie Hess Diana Griffiths Ray Mount Doug Balmer	$2,500
Link Crew- High School Mentor and Transition Program The proposal ensures the continued growth of the Link Crew Program designed to provide a smooth transition for entering freshmen to Warwick High School. Funds will be used for Link Leader Training (mentors), orientation activities for the entering freshmen and Link Leaders, school wide events and advanced training for the Link Crew Coordinators.	Warwick HS	Sydnor W. Harrison III Nate Nixdorf Emily Dean	$ 1,500
Lego Story Starters: Engaging Students in Writing Students will use Lego kits to build stories that are real or imagined. Using legos, students will visualize their stories before writing them, and gain experience in adding details and sequencing events. The Story Starter Kits will help students visualize the main parts of their stories by building the beginning, middle and end.	John Beck Elementary School	Amy Evans	$1,129
Technology Grants			
iPads for Special Education Three (3) iPad mini tablets will be tools to offer remediation and enrichment to students. Math apps will also be purchased. This technology will help provide differentiated math instruction in basic math computation and problem solving.	Warwick HS	Amanda Sprague	$1,500
Using iPads to Enhance Learning With the use of the additional iPads and apps such as EDpuzzle, Storybird and iMovie, students will research and share information in a nontraditional format on a variety of social studies topics. Students will also create their own digital story books to reinforce plot, themes and characterization.	Warwick HS	Lisa Gleason	$1,316