

Egg Harbor Township
Education Foundation, Inc.
Mini-Grants
2015-2016

Title: Pedals For Students

School: Dav. Elem.

No. of Students: 10

Amount: \$307.60

Staff Members: Donna Moll, Tara Baldwin

Description: Each year the second and third grade LRC classes typically have difficulty staying focused for extended periods of time. The energy levels exhibited are also excessive. By positioning stationary bike pedals beneath the desks the students will be provided with an outlet for the movement that is needed. At the same time it will allow them to continue their work.

Title: How To Build A Storm: The Weather Show

School: Slay Primary

No. of Students: 250 K and Pre-school

Amount: \$500

Staff Members: Candice Goodman, Kristi Barnes, Marielle Webster, Keri Lucia

Description: The Franklin Institute will visit Slaybaugh Primary to provide an opportunity to promote the students' understanding of our physical world and encourage creative thinking and problem solving. The Franklin Institute will present a dynamic show that explores the many facets of weather. The students will also participate in activities such as weather pattern observation and creating a cloud in a bottle.

Title: MakerSpaces

School: Slay Primary & Elementary

No. of Students: 600

Amount: \$451.30

Staff Members: Kathleen Bially, Peicha Sullivan

Description: MakerSpaces are DIY spaces where students can gather to create, invent, and learn. The library will be the central hub for the MakerSpaces where the students will have the opportunity to create and think outside the box. Tools will be provided to ensure that our students' exploration is recognized. By housing this space in the library all classes will be given the opportunity to use it.

Title: Folktales, Fairy Tales and STEM!

School: Slay Elem

No. of Students: 50 Second Grade

Amount: \$368

Staff Members: Cathy Colquhoun, Lynn Pellegrini

Description: Three units in which the students will study fairy tales and folktales will be completed during the academic year. For each unit one story will be the basis for completing a design challenge. When completed, the students will evaluate their results. While studying the story, the students will determine characteristics of the genre, major events, point of view, and morals or lessons. At the end of the unit the students will create a new and unique solution to the problem faced by the main character(s). Collaboration will be used to reach solution to the challenge using the materials provided.

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Title: Healthy Fun

School: Miller

No. of Students: 1200

Amount: \$500

Staff Members: Donna Papaycik, Jennifer Irwin, Rachel Schuler, Alissa Lamey

Description: In an effort to improve the outdoor experience at Miller, we have planned to add several interactive activities to the playground areas. Stencils will be purchased for a Tessellation Maze, Chess/Checkerboard, and a Fitness Agility Ladder. Adult volunteers will do the painting involved. (This grant exceeded the \$500 limit, but Miller's BIY will contribute the remainder.)

Title: Great Gardening at Miller

School: Miller

No. of Students: 200

Amount: \$500

Staff Members: Ron Shanteau, Jen Kusnirik, Theresa Nhan, Colin McClain

Description: This grant is continuation of an effort by the teachers and students to establish a garden. It was originally started with six beds; those beds were expanded with a grant from the EHT Education Foundation during the academic year 2014-2015. The students planted various plants during math and science classes in early Spring. They cared for the plants, observed the plants and finally planted the seedlings outside in the prepared beds. The students moved dirt, maintained and raked and took ownership of their garden. A master gardener came in and met with the students doing various lessons about plants. Vegetables were harvested near the end of the school year and during the summer. The plan is to maintain the existing garden and to have the garden serve as an outdoor classroom.

Title: Practice CPR (Catch, Photo, Release)

School: Miller

No. of Students: 10

Amount: \$500

Staff Members: Robert Hermes

Description: This grant will enable the students to learn about their local environment and ways to conserve it by catching and releasing fish at Birch Grove Park. They will learn what lives and grows in a pond, how to use a fishing pole and reel, and the importance of conserving our environment. They will also learn the beauty of nature and the pleasure of playing outside while fishing with a friend.

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Title: Legos, K'Nex & STEM

School: Miller **No. of Students:** 150

Amount: \$500

Staff Members: Cheryl Cottelli, David Baldwin, Holly Ulland

Description: Aligned with the district STEM initiative the use of Legos, and K'nex give the students an opportunity to design and create. The list of possibilities contains, but is not limited to such things as creating an earthquake proof structure, designing a floor plan for a house, and creating an osprey platform. Using this type of product allows the students to create and re-create. The Legos and K'nex will be sorted into containers and will have a home base easily accessible by the students and teachers. The students will be expected to draw a design, write a reflection essay on their creations and present a writing "selling" their designs.

Title: Survivor - Challenge

School: Miller **No. of Students:** All Self-contained 30

Amount: \$450

Staff Members: Isla Weber, Alyssa Falco, Robert Hermes, Michelle Orlowski

Description: The goal of this grant is to have the special education students transfer and practice academic and social behaviors learned in the classroom to the outside world. For instance they will investigate solar energy; design and build a shelter; design and create a flotation device; learn about local plants and animals; read and research survival techniques. They will put their new knowledge and skills to use in the real world with field trips to several different types of environments.

Title: Did You Ever Know That You Are My Hero?

School: Alder **No. of Students:** 500

Amount: \$500

Staff Members: Kelli Wenzel, Kathleen Anderson, Diana Fogleman, James Ferriola, Wendy Eichinger, Maria Behm, Kylene Wood, Jamey Roberts, Candice Marshall, Alexis Dilks, Susan Ott

Description: As our students grow into young adults it is the optimum time to instill the importance of patriotism, volunteering, citizenship, and appreciation for our servicemen. There will be two spotlighted activities; one in the fall called red, White and Blue conversations with Coffee(Tea) and the May Meet and Greet with lunch provided to our heroes. This is not just a project to honor our veterans, but for students to experience first hand about the experiences, stories and feelings during their time in service. The students prepare their own interview questions for their conversations with the veterans. The students will read a book about a boy and a veteran who struggles after returning from the Viet Nam war.

Title: Using Podcasts to Enhance Language Learning

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School: Alder **No. of Students:** 200

Amount: \$500

Staff Members: Nicole Salvia Chini

Description: Strong listening comprehension skills are essential in learning a new language. A wide variety of Spanish language podcasts exist that would give students more opportunities to hear the language spoken in real-world situations. MP3 players will be purchased and Spanish language podcasts will be loaded onto the players for students to use during class.

Title: STEM ACROSS THE CURRICULUM: What would Lewis and Clark do with QR Codes?

School: Alder **No. of Students:** Green Team

Amount: \$500

Staff Members: James Ferriola, Kelli Wenzel, Maria Behm, Wendy Eichinger, John Jones, Candice Marshall, Kylene Wood, Guy Zompa

Description: We are no longer teaching and learning in "silos." Our students will see how US History is still relevant today and will discuss how technology today would have greatly helped Explorers Lewis and Clark. Students will learn the Lewis and Clark were in search of a waterway to the Pacific Ocean. The observations, journals and calculations for maps were invaluable to an early United States. Students will analyze and predict how the expedition would have been with current technology on Smart Phones including GPS and Qr codes. In the spirit of Lewis and Clark the students will blaze a trail through the wilderness on the grounds at Alder. Once they return to the civilized classroom they will begin the research so that they can leave trail markers for those that follow them for years to come. The trail markers will have QR codes that will take the future trail hikers to videos made by the students providing information about the plants and animals encountered on the trail.

Title: Beyond My World

School: Alder & Fernwood **No. of Students:** 600

Amount: \$500

Staff Members: Jenny Dilks

Description: Learning a second language is crucial in meeting the needs of our students in today's diverse and competitive world. The sixth grade Spanish program is limited to two marking periods a year and there will be thirteen lessons in each quarter. Each lesson will have a linguistic objective tied tot he science unit on the Planets. Students will select one planet as their focus; research will be done as to color , size, weather patterns, location from the sun and any unique characteristics. The students will create a model of the planet that they have chosen and identify the important characteristics in Spanish. They will present their model to their class in Spanish. The students will also command the target vocabulary and expression in Spanish!!

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Title: French Classes Branching Into STEM Projects!

School: Fernwood

No. of Students: 500

Amount: \$500

Staff Members: Kelli Baird

Description: The ultimate goal is to start implementing STEM projects into the World Language classroom. STEM projects for World Language Classes published on the Maryland State Department of Education web site will be implemented with our students. Each of the four French classes will participate in at least one STEM project. The projects will be implemented during the appropriate time in each curriculum. Examples of the projects are: From Seeds to Table, Paperclip Sailboats, and Roller Coaster.

Title: MAKE Something Happen At The Library

School: High School

No. of Students: 400

Amount: \$350

Staff Members: Dawn Grossman

Description: An area in the library has been selected to serve as the Makerspace for the high School. A "makerspace" is a creative, DIY space where people can gather to create, invent, and learn. Students will have the opportunity to explore their specific interests. Teachers will also be able to use this space with their classes. Students will be recruited to serve as advisors to learning to community. There will be projects set up for the students and there will also be supplies available for the students to explore their own ideas. The projects in the makerspaces are student directed.

Title: Agriculture and Produce Project

School: High School

No. of Students: 48

Amount: \$500

Staff Members: Tia Tracey, Linda Devaul, Lisa Ormond, Dana James, Karen Coppee

Description: Students with disabilities benefit from learning through multi-sensory, hands-on and practical learning experiences. Our students will prepare an on-site greenhouse in which to grow and harvest winter greens and spring produce. The greenhouse is on-site and available for this project. The produce will be available for the students and faculty when the vegetables are ready to be harvested. The students will be responsible for maintaining the plants, observing the growth of the plants and will be expected to log data from this project.

Title: Speaking Your Way To Learning English

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School: High School

No. of Students: 50

Amount: \$445.50

Staff Members: Margaret McGowan, Anthony Pecchia, Courtney Doran

Description: ELL students need to acquire the speaking skill to acquire English literacy. Students who are challenged speaking in English also have difficulty with standardized testing, classroom participation and they tend not to participate in school activities. To improve the situation video camcorders will be utilized in the ELL English classroom. The videos will be viewed in the classroom setting and expressly for feedback for the ELL students. Students will use the camcorders to film themselves and others speaking in English and increase their skills.

Title: STEAM

School: High School

No. of Students: 80-100

Amount: \$450

Staff Members: Scott Justice

Description: Exploring art and design was created with the intention of moving our Art Department into the field of STEM. Using different degrees of technology this class will combine the knowledge of the STEM fields with the creativity of the art world. This grant will be a first step toward this goal. 3D printing lends itself to low-risk, low-cost innovation. Ideas can materialize in minutes allowing students to see their work as tangible products. This grant will allow our class to purchase 3D Doodle pens.

Title: Art Through the Ages

School: High School

No. of Students: 600

Amount: \$500

Staff Members: Michael Martirone, Kevin Hackney

Description: Art is a primary focus throughout the World Cultures curriculum and each year we examine various art movements and have students connect and explain the art to what is being taught. The Freshmen Cohort hosts the Art Gallery every spring and students have the opportunity to view and analyze various art movements. This grant will enable the department to repair the frames within the collection as well as expand the collection of artwork.

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Title: Cloud Computing: Below the Jetstream

School: High School

No. of Students: 50+

Amount: \$499

Staff Members: Etzel Brower

Description: What happens when a computer is put inside a cloud? Cloud computing allows application software to be operated using Internet -enabled devices where the rendered services are so invisible that they seem to be obscured by an atmospheric cloud. A computer interface will be constructed, linked to the controlling transmitter frequency of a hobby aircraft like a helicopter. The chopper will be flown with a pc command program to a pre-determined height. The chopper will transmit bit in the air and then land on the ground when it will transmit an identical bit to a ground station. The students will be involved in all phases of this project including writing code to operate the helicopter.

Title: Art Nite At Eagle

School: Eagle Academy

No. of Students: 60

Amount: \$345

Staff Members: Wendy Montecalvo

Description: Motivation to participate in art class at Eagle is often low. This project will help to increase motivation and interest in the world of art. This project will be a continuation of the "Gallery Exchange " that was started at Swift and was then used at Miller. Student art work will be framed, identified with a gold pate and displayed for sale. Parents, teachers and businesses will be invited to the Exchange. Each piece will be priced at \$30 and the money will be used to expand the art department at Eagle.

Title: Project Stay Gold (PSG)

School: Eagle Academy

No. of Students: 12

Amount: \$500

Staff Members: Dorothy Bowker

Description: Human trafficking is a growing problem and one which high school students should be aware. Chapters are forming in New Jersey to help educate people about the issues involve. The students at eagle will form a group that will gain knowledge about human trafficking. They will then conduct monthly classroom presentations at he Middle Schools and the High School. The sudents will keep journals reflecting on their activities.

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Title: STEAM 1,2,3

School: Eagle Academy

No. of Students: All

Amount: \$500

Staff Members: Laurie Lee Walters, Vilma Vogt, Wendy Montecalvo

Description: Many of our students do not see the value of education, and many lack an appreciation of nature or art. A STEAM class is being developed for Fridays that will hopefully make the importance of education, art and nature more obvious. We have several projects planned: Sunflowers - the students will plant seeds, cultivate the resulting plants and at the culmination of the project, roast the sunflower seeds that result from their efforts. Another project is to design, build and decorate kites. There will be a final culminating activity of flying the kites. The last project is a wall mural called "Below the Sea." the students will study fish, sea turtles and the like, and then create replicas, drawings and paintings that will be added to the sea wall.