



**Grant Review Committee Recommendation to the Board of Directors
Fall 2016 Grants**

Name of Grant	Campus	Teachers	Abstract	\$ Amount
3D Printing – 21 st Century Learning	Mabank Junior High	Tiffany Smith Tracey Wolfe Marian Smith Lauren Fulton Stephanie Baker Maribel Sanchez Rachael Goodwin Kandi Marsh Stefani Himes Laura Meurin Jenny Pfoh Michael Rowley	A 3D printer will help facilitate 21 st Century Learning. We will be able to bring objects out of the computer screen and into the hands of students for inspection, analysis, and other processes that can benefit from physical manipulation. In this way, 3D printers can help bridge the gap between the physical and digital – students can use a screen to find what they need, then print it into existence.	\$3,400
Aquaponics System	Southside Elementary	Brandi Dyer	Southside Elementary School would like to add an INDOOR aquaponics system. Aquaponics is the combination of aquaculture (raising fish) and hydroponics (the soil-less growing of plants). This is an integrated system of growing fish and plants together. The fish waste provides organic food source for growing plants and the plants provide a natural filter for the water the fish live in. The third participants are the microbes (nitrifying bacteria) and composting red worms that thrive in the growing media. They do the job of converting the ammonia from the fish waste first into nitrites, then into nitrates and the solids into vermicompost that are food for the plants. In combining both systems aquaponics capitalizes on the benefits and eliminates the drawbacks of each. Our elementary school students will continue to be engaged in exploration in education while utilizing science, math, reading and writing.	\$5,889.00

Bodies & Brains in Motion	Southside Elementary	Patricia Riley	Southside Elementary School is seeking to meet the needs of our 21 st Century Learners who need to be moving while learning. In more recent years than ever, we have observed an increase in fidgety students who need to move throughout the day. These students include those who suffer with ADHD, autism, students who are more aggressive and those who are kinesthetic learners. The ideology behind a flexible learning classroom is to engage and not cage students into the traditional learning environment allowing for differentiation. We find that parents are seeking other options and alternatives other than medication. It is our desire to help all students have an exciting approach to learning while meeting students social and emotional needs. The types of seating options for students to use and be able to choose from will support their learning style allowing movement while learning key concepts.	\$2,000 (partial funding)
Creating, Codeing, Connecting	Mabank High School	Pam McBride	Computer programming today is much more than just producing output on the screen. Emerging technologies such as Smart Homes are a great example of how programming is infiltrating every area of our lives. In the computer gaming industry, interactive computer games are the new standard. The computer programming course at our high school is a survey course exposing students to programming languages and various computer science topics. This project will give students an opportunity to develop programming skills and explore new technologies with hands-on activities as they are making decisions about their future.	\$999.60
iPads in the Classroom	Central Elementary	Sheila Sales	Head Start is a federally funded program for low income children. We are managed by the regional office. Region 10 will not buy or provide iPads for our children which are great for teaching because it can be run by a teacher in a classroom setting but is flexible enough that each child can learn at their own pace. This is truly individualized learning.	\$2,365.00
MHS Law Enforcement Explorers	Mabank High School	Rodman Goode	This grant request seeks to augment the third year of the Mabank High School Law Enforcement Explorer organization. Previous projects include training aids, honor guard flags and equipment, communications equipment, and child ID materials. This request seeks to increase the scope and sequence of educational goals as well as the awareness of the community of the activities of these fine youth.	\$2,703.38
Mabank Intermediate Science Fair	Mabank Intermediate	Cindy Doze Joanna Kattner Laurie Pitman	To start up a science fair that will continue to be held each school year for 5th & 6th grade students. This will be a cross-curricular event that will involve not only science, but also art, reading, math, writing, social	\$3,651.88



		Roger Foster Taylor Britsch	studies, and oral presentation.	
Mobile Sensory Lab for Children with Special Needs	Central Elementary	Joanie Collinsworth Remica Bigham Rondi Payne	As teachers of students with special needs, we feel that in order to ensure successful academic futures of our students, it is vital that we address all of their sensory deficits and needs as well as academics. Previous funds have been received from the Education Foundation for the purchase and initial stage of the implementation of a sensory motor lab. These funds would allow us to continue to increase our inventory to meet the unique needs of our students.	\$2,000
Piano Academic Enrichment	Southside Elementary	Pamela Maynard	Selected Tier 1 students in grades 2-4 participate in academic enrichment classes throughout the campus. During these enrichment classes, students participate in robotics, art, outdoor learning, cooking, photography, and many more. In Music we focus on short-term projects that allow students to present a finalized project. Students focus on learning a wide range of instruments available in the classroom, listening and learning how to combine different sounds with preexisting traditional music, creating and developing short videos demonstrating skill sets, and evaluating classroom performances.	\$951.12
Say Cheese!	Mabank Junior High	Rhonda Manning	Learners of today exist in a world that is saturated with technology and information where access to social networks, videos, ideas, and other digital resources is instantaneous. In order for our students to succeed in this world of 21st century learning, they must be able to quickly evaluate, access, and apply the constantly changing resources and information. This applies not only to the old standards or 3 R's (reading, writing, and arithmetic) but every discipline. Photojournalists (Yearbookers) also need these skills for design, creativity, development, and marketing. Students cannot develop these skills without sufficient access to necessary tools or equipment.	\$2,398.00
Student Led News Network	Central Elementary	Christine Minshew	The primary goal of this proposal is to provide students with the opportunity to use broadcast production techniques as a means to learn important technological, cooperative learning, and higher order thinking skills. I would like to create a student led news broadcast at Central Elementary School. This student broadcast station will provide real world, hands-on experiences in all aspects of producing a news show. Students will take turns working as members of a news production team by planning, writing, filming and editing a weekly news broadcast.	\$2,145
Yearbook Equipment	Mabank High School	Brandi Sutton	In the ever-evolving technological world, everything is changing. Even the paper yearbook that has been around for over a century is not	\$5,000



			immune. Nationwide, yearbook sales are plummeting, while digital usage is at an all-time high. In order to embrace this change, the traditional yearbook needs to maintain the most advanced technology and equipment in addition staying ahead of the innovations of today's time to produce high quality products. Memories and experiences are being captured online and through social media – not paper. The function of the yearbook must evolve to meet that demand.	
			TOTAL	33,502.98