



JUNIOR LEAGUE
OF
DALLAS™

*Grants for Innovative
Teaching*

25th Anniversary

Teacher Recognition
Ceremony and Reception

Wednesday, September 7, 2016

6:00 p.m.

2016-2017 Grant Summaries

Angeles Gonzalez-Roldan

Once Upon a Simple Machine - \$1,181.95

Jose Joe May Elementary School

Students will work in groups to identify, build, and create simple machines using Early Simple Machines by Lego Education (e.g., levers, pulleys, and inclined planes). Students will learn about different types of simple machines, create descriptive investigations, and identify 3D shapes. During the second semester, students will conduct investigations to solve problems by building a simple machine in a fairy tale of their choice and then display their work at the school.

Jeff Baker

My World Blending Reading and Social Studies - \$1,535.00

Julius Dorsey Elementary School

Third grade students will utilize current reading materials such as Scholastic News for Kids and Time for Kids to supplement the Texas-mandated social studies curriculum and learn more about our world. Plans include studies on current topics such as the November election. Students' families will assist with several projects, which they will present to their peers, helping to strengthen the parent-student connection. These projects will enable students to grow as civic-minded citizens who are more aware of current events in our world.

Luz Covarrubias

Mental Math Matters - \$1,999.45

Lida Hooe Elementary School

This grant will increase students' awareness of the importance of number sense and math reasoning in a fun and engaging manner. The students will work with a math coach to grasp number sense and learn to apply math in everyday situations in their life.

2016-2017 Grant Summaries

Armetha Blackmon

Butterfly Butterfly Fly Away Home - \$948.19

Martin Weiss Elementary School

The goal of this project is to create a butterfly garden by researching butterflies and what they need to survive. Students will get the opportunity to harvest butterfly eggs and document the life cycle, capturing each stage through photography. They will also get to identify the flow of energy in a food chain with a final understanding of how an ecosystem works.

Leticia Dorsey

The World Is Your Classroom - \$1,997.98

Martin Weiss Elementary School

The goal of this project is to engage students in the art of creating motion pictures through an animation mobile app. Students will partner with fellow classmates to share and brainstorm ideas. Students will learn to utilize the use of art and technology in today's society. Upon completion of the project, students will present during the Project Based Learning Family Night (PBL).

Victor Mendoza

Using Multimedia to Succeed - \$1,992.99

Nathan Adams Elementary School

The goal of this project is to further the capabilities of the current multimedia technology to continue making educational videos that promote learning. Involving children in the lesson by visually including them in the educational videos promotes higher levels of engagement, thus produces better recognition of letter names and sounds, numbers, and the ability to re-tell stories.

2016-2017 Grant Summaries

Aleksei Vashchenko

Tower Garden Challenge - \$1,231.90

Preston Hollow Elementary School

The Tower Garden Challenge teaches students how to apply Next Generation Science Standards, scientific content, and team-work skills to a real-world scenario as they conduct an authentic research study comparing two different methods of growing plants: traditional soil methods vs. aeroponic gardening. Students will learn the scientific method and use technology to monitor and progress the experiment. As students measure the potential benefits of aeroponically growing plants, they will calculate how much ground area is being conserved in their own experiment. Taking this and other potential benefits into account, students will consider potential uses for aeroponic gardens in their communities and the world at large.

Dorcas Kassebaum

Up Down and All Around - \$1,543.03

Ronald McNair Elementary School

Up and Down and All Around will provide tools to increase knowledge of the Earth Science TEKS (Texas Essential Knowledge and Skills) for fourth grade and special education students. The project will provide hands-on experiences to increase learning and retention around weather-related Earth Science topics. These students will share the weather-related data they gather in the school-wide morning announcements, allowing the entire school to become more aware of changing weather conditions and how they affect them. Many of these tools will be available to other classes in their outdoor classroom, which will indirectly benefit other students in the school.

2016-2017 Grant Summaries

Ramicia Paul

Little Readers Take Action! - \$1,251.71

Ronald McNair Elementary School

The Little Readers Take Action! project will incorporate reading, art, theater, and STEAM (Science, Technology, Engineering, Art & Math) to allow students to bring literary and expository texts to life in the form of oral presentation, reader's theater, and puppetry. As students bring text to life, they will build academic skills such as fluency, comprehension, and oral language, and also develop social skills such as collaborating with others and confidence in their speaking abilities.

Shamika Polk

P.E. for Fingers - \$1,736.11

Ronald McNair Elementary School

In P.E. for Fingers, pre-kindergarten and special education students will build muscles in their fingers through fun activities. Stations incorporating fun activities in their class schedules will be designed to build those muscles necessary for fine motor skill development, allowing for success and self-sufficiency in kindergarten and beyond. Students will develop new skills through age appropriate play based learning.

Nancy Bernardino

Makerspace: Project Ignite - \$1,875.24

Solar Preparatory School for Girls

Since Makerspace is where students can physically build whatever they dream, a 3D printer and other tinkering supplies, such as a power drill and sewing machine, will allow girls to plan and create their own objects in 3D form. Each lesson will enable the girls to think in an aspirational way about how they can apply skills to solve problems and provide solutions. They will create items such as a simple button, a trick die, a custom stamp, a backpack zipper pull, and a Spork for outerspace.

2016-2017 Grant Summaries

Bonita Reece

Kids-N-Careers - \$1,186.78

Umphrey Lee Elementary School

This project will use role-play to help students understand the roles and responsibilities of various professionals, which will help them begin to formulate an idea of what they would like to be when they grow up. The students will learn that life is not always about where you come from, and they will make connections between information presented in class and the real world. The goal is that children's traditional response to the question, "What do you want to be when you grow up?" will no longer be Superman or a princess, but instead responses such as: a lawyer, an architect, or even a judge.

Karem Averanga

Improving Literacy with iPads - \$2,000.00

Whitney M. Young Jr. Elementary School

Second grade bilingual students at Young Elementary have a great need to improve their vocabulary acquisition, comprehension, and writing skills. The goal of the project is to increase second grade bilingual students' reading comprehension and writing in both English and Spanish. This goal can be reached by increasing exposure to texts using apps and websites that target specific skills in a fun, engaging way. The use of technology, specifically iPads, is a powerful instrument since it increases exposure to many activities that target different literacy areas and can improve reading and writing skills. The use of iPads in the classroom also increases motivation and engagement. Interacting with technology makes learning and applying acquired knowledge more fun and memorable.

Andrea Bergener

STEM for All - \$1,991.23

William Cabell Elementary School

With this project, students' minds will spark to learn the connections between STEM and humanity. By providing interactive kits and learning materials in each of the elementary grade levels, students will be able to solve real problems in collaborative groups.

2016-2017 Grant Summaries

Amanda Reaka

Planting the Seed: Pre-K STEM - \$1,245.00

William Cabell Elementary School

To young children, learning is a magical experience. The youngest learners are so excited to come to school and soak up new information, asking questions, and making observations about the world around them. These little children are begging to become more familiar with science, math, engineering, and technology concepts. By providing STEM kits for the science area, children will explore independently and learn the exciting concepts of force, building, mapping, and much more.

Rodolfo Estrada

Winnetka Robotics - \$1,870.20

Winnetka Elementary School

This year was the first year of Robotics at Winnetka Elementary using VEX IQ. The goal of this project is to allow students to design their own robot with working motors, brain, gears, etc. The robot should be able to grab an item and take it to a different location. Teams of students will enter their robots in state and national competitions.

2016-2017 Grant Summaries

Rosenid Badia, PhD

Cervantes Literacy Walk - \$1,996.98

Benjamin Franklin Middle School

The project will be an inter-discipline project between Spanish, Science, and Library from an IB Perspective, in which the students will read, study, research, construct, duplicate, emulate, and act Miguel de Cervantes novels. They will bring the novel to life, while performing a piece of it in the new Cervantes Literacy Walk that will be constructed in the courtyard garden with flowers and windmills. The plan is to use this area for all types of literacy projects. Cervantes Literacy Walk is a project that will encourage the students to learn by doing, think more independently, work in teams, and drive their own learning while becoming more culturally aware.

Wilmetria Simpson

Viking TV - \$1,780.72

Billy E. Dade Middle School

Viking TV is a video show aired on a weekly basis for the staff and students at Billy E. Dade Middle School. Viking TV will impact the student body by increasing school spirit and pride and assist in improving the students' perceptions about their school and surrounding community. The students will anchor and produce the weekly show and act as news reporters, journalists, camera operators, producers, and editors.

Tabatha Sustaita-Robb

Can We Build It - Yes We Can! - \$1,997.46

Dallas Environmental Science Academy

This project is a "maker club" aimed at students who want to tinker, discover new skills, develop new ideas, and build things. Using various kits and books, students will produce products of their choosing, such as a catapult, kite, duct tape wallet, motion detector, or a paper airplane. The club will provide students with opportunities for problem-solving and self-directed projects.

2016-2017 Grant Summaries

Ernest Barlow

Making Markers thru 3-D Printing - \$1,996.76

Dallas Environmental Science Academy

This middle school will utilize a 3-D printer to create technological, art and robotic projects. Students will demonstrate science and math concepts by creating their own innovative products.

Ryan Bauer

School Garden for Life Science - \$1,471.09

Edward H. Cary Middle School

Science students will learn how to identify plant cells and learn how to reuse resources through gardening. They will build raised garden bed in order to experience cultivating living plants.

Shynise Stiff

Closing the Technology Gap Trough Science - \$1,971.00

L.V. Stockard Middle School

Students will use computer models to run experiments, modify the experiments to test their hypotheses, and finally create a new model of their own design. For example, students will manipulate soil to see how that affects groundwater (i.e., “gamifying” science by manipulating situations). The project seeks to strengthen students’ analytical and critical thinking skills through learning how to use, manipulate, and create models and simulate real-life science concepts. The project’s goal is to expose and engage more students in computer science to encourage them to explore career paths in computer science and engineering.

2016-2017 Grant Summaries

Shelly Thibodaux

Gardening on the Hill - \$1,985.42

Robert T. Hill Middle School

Partner PE allows for FLS students to interact with the general student population through the Gardening on the Hill Project. The curriculum is the Learn, Grow, Eat, and Go! combined with the Junior Master Gardener curriculum, where students learn gardening skills that will increase their knowledge and consumption of growing and eating healthy foods.

Eliana Tseng

Hands-On Ohm's Law with Snap Circuits - \$2,000.00

Robert T. Hill Middle School

Students in the 8th grade will be introduced to physics through Ohm's Law and learn how to apply it to real world situations. Ohm's law explains the mathematical relationship between voltage, current, and resistance in an ideal conductor. Students have a hard time visualizing this in action, so the use of physics kits allows the students to create and see the law in action.

Adriana Marroquin

It's All Animae to Me - \$2,000.00

Sam Tasby Middle School

Anime books, full of dynamic images to support the written words, provide a unique way for English Language Learners to learn language while having fun. The new Anime Book Club will also give students the opportunity to gain confidence in their speaking and writing skills by having students lead discussions and write reflections on the books read.

2016-2017 Grant Summaries

Micheondra Williams

#MathsRealLife - \$2,000.00

W.E. Greiner Middle School

Students will read articles in the Scholastic Math magazine and apply the math they are learning to solve practice problems related to the articles. Additionally, students will keep a "Math at Work" journal to log how math is used in the various career paths they find in their reading. Over the course of the project, students will research a career from the stories in the magazines and will keep track of how their particular career uses math.

Sweta Srivastava

Learning or Memorization - \$1,999.40

Zan Wesley Holmes Jr. Middle School

Science concepts will be taught in a manner where students will be able to connect the dots between theory and practical implication. This project provides a hands-on science experiment in an environment where students will not just memorize but truly understand.

2016-2017 Grant Summaries

William Adkins

Bangkok to Hanoi;

A Journey Through Southeast Asia - \$2,000.00

Barack Obama Male Leadership Academy

Students will partake in a multi-disciplinary project called the “Great Adventure in Southeast Asia”. The lead educator will be traveling and exploring from Bangkok to Hanoi this summer. Once he returns, he will lead his students through a semester long project about his travels connecting global competency to awareness of their own community.

Jose Delgado

Super Models for Super Students - \$1,600.00

Bryan Adams High School

Students in 10th-12th grade chemistry will have an opportunity to learn about molecular structure kinesthetically. This project integrates both mathematics and engineering by using physical models. The students will utilize geometry by measuring angles between atoms, and students can explore building molecules while observing how atoms fit together in a logical way.

Jessica Bell

Ceramics Dream - \$1,932.86

Bryan Adams High School

The goal of this project is to build a comprehensive 3D ceramics program that scaffolds learning through the development of a full service ceramics studio. This project provides hands-on experience for students that will allow implementation of new teaching methods and activities to address college readiness. A curriculum, focused on career preparation in the arts, will be integrated into the artistic skills component.

2016-2017 Grant Summaries

Ward Coats, PhD

Cloning, Over-Expression, Purification and Crystallization of Master Regulators Involved in the Developmental Cascade of Pancreas Development - \$2,000.00

Hillcrest High School

Students will work in conjunction with Dr. Raymond MacDonald at UT Southwestern to obtain crystals for X-ray crystallographic analysis of a novel heterotrimeric transcription factor complex, PTF1, which is a key regulator of embryonic pancreatic development. This project gives the students the opportunity to understand the magnitude and scope of basic and applied research that is being conducted at universities across the United States and identify possible areas of study and career paths.

Diana O'Connor

Respect Starts Here: Creating Empathy in Community - \$1,800.00

Irma Lerma Rangel Young Women's Leadership School

Respect Starts Here: Creating Empathy in Community is a program to bring awareness and understanding regarding issues of bias and discrimination found in our society. After completing lessons within the curriculum, students will use creative writing, art, and music to develop responses to what they learn, and an anthology of their work will be published at the end of the year.

Phoumy Keonine

Girls Love Science: Women's Careers in Science - \$2,000.00

Maya Angelou High School

The students will prepare a science career portfolio to help them consider various careers in science. In partnership with the Perot Museum, they will perform scientific experiments. Educators from the Dallas Zoo will bring zoo animals to campus for the students to observe and also discuss career opportunities in the field of biology. By exposing students to a variety of fun, engaging, and exciting science activities, the goal of the program is to ignite a curiosity in science that will encourage them to explore careers in science.

2016-2017 Grant Summaries

Matthew Denman

Culinary Herb and Vegetable Garden - \$1,279.55

Molina High School

By building, planting, tending, and harvesting their own herb and vegetable garden, Molina High School students will combine knowledge of plant science with an introduction to healthy eating. The students will conduct various experiments on growing plants to learn how different variables impact the growth and well-being of herbs and vegetables. Once the garden has been successfully tended and harvested, the students will expand their food knowledge by learning and cooking healthy dishes utilizing the student-grown ingredients.

Terry Stotts

Kids Helping Kids - \$1,909.10

Multiple Careers Magnet High School

The special needs students in the Construction Trades Cluster at Multiple Careers Magnet will be constructing wooden toy rocking horses to be donated to Maya Angelou students and children staying at the Ronald McDonald House during the holidays. This project helps prepare students with good work habits, attitude, and career skills, in addition to becoming productive and responsible citizens. The main objectives are to help them realize the importance of giving to others and implant the idea that each of us has talents to be shared.

David McLoda

Mycology Research Lab - \$1,926.45

Science and Engineering Magnet High School

The goal is to provide a cutting edge experience in a lab setting that allows students to perform mycology research projects of their own. In the context of both environmental science and biology classes, students will study the uses of fungi in agriculture, bioremediation, and mycorestoration by developing and testing their own hypotheses using this biotechnology equipment. There is an increasing interest among researchers and environmentalists in using these techniques, so this will prepare students for science and engineering university programs.

2016-2017 Grant Summaries

Gianna LoScerbo

Differentiation for Diverse Learners - \$1,940.75

Skyline High School

Cooperative learning groups will each be assigned an art movement, such as Cubism, Fauvism, Surrealism, and Realism. Within these groups, they will have a task such as vocabulary builder, interpreter, and historian. The goal of the project is to decode meaning in visual art and translate it to reading, writing, and creative projects. Students will first read about and discuss key artworks from their different art movements. Then, they will analyze and interpret the art through written assignments. Lastly, they will create art in line with their specific art movement and present it to the class.

Alexandra Kelos

Counseling Mental Health Practicum - \$1,800.00

Skyline High School

Students who have applied for and been chosen to participate in the Counseling and Mental Health course at Skyline High School will participate in this Counseling Mental Health Practicum. Throughout the course of the practicum, students will explore the mental health crisis and counseling/mental health careers through community outreach, visits with counselors and mental health professionals, and hands-on experiences with community mental health providers. The experiences within the practicum will allow students to begin the pathway to college readiness and a career in counseling or mental health services.

Pauline Tatum

Special Needs Robotics League - \$1,600.00

Sunset High School

This project will encourage special needs students at Sunset High School to get involved in STEM activities. Special education students will have the opportunity to build, design, and interact with robotic technology. The program will consist of designing a robotics game, building the robot, and driving the robot in a competition with their classmates.

2016-2017 Grant Summaries

Lakisha Farrow

Creating Quality PSAs - \$1,148.88

Sunset High School

In this project, students will complete a three-to-five-minute public service project on a social issue of their choice that includes research, persuasive writing techniques, video, audio, and web techniques. Students will learn skills that include collaboration, critical thinking, communication, and social awareness, all while developing research and writing skills that are needed to be successful in college or a career.

Rochelle Shipman

Going Further with Digital Radio - \$1,981.48

Townview Magnet High School

KSBM Radio is "The Voice of Townview." Over the past three years, Townview has built an in-house internet-based radio station that allows students to broadcast and stream audio shows created by the students. In the upcoming school year, the students will continue to expand the reach of the radio station and its online presence by acquiring new equipment and dispatching its communications team. This project tests the students' collective understanding of business, marketing, and technology, and challenges them to create and manage an actual business.

Donielle Edwards-Tyeskie

Creating a Sustaining Garden Using Aquaponics V: LED vs. Sodium Halide Light and the Effects on Photosynthesis/Cell Respiration Rate - \$1,988.37

Trinidad Garza Early College High School

Throughout this project, students will combine aquaculture (raising aquatic animals) and hydroponics (growing plants in water) to create a sustainable food production system. The students will use a variety of scientific disciplines and will use two different germination strategies to compare a crop yield.

2016-2017 Grant Summaries

Bennett O'Connor

Soil Chemistry and Sustainable Energy - \$1,961.00

Trinidad Garza Early College High School

In this project, students will test soil chemistry, pH, and cations present in soil which help grow plants. The students will also investigate solar energy and wind-generated energy and compare it to conventional energy. Then, they will build miniature wind-farms and solar powered houses to study the use of alternative energy sources.

Joe Borunda

Costuming Shakespeare - \$1,831.04

W.H. Adamson High School

With this project, students will learn basic costume design techniques such as color, texture, and pattern and will create a Shakespearean character's costume. The curriculum provides a hands-on experience for theatre students, who will learn how a costume influences a show, as well as their characters' internal and external conflicts. Students will perform a Shakespearean play in-costume for the larger student body.

2016 – 2017
Grants for Innovative Teaching
Committee

Beth Boyd, Chair

Corinne Carpenter, Assistant Chair

Ashleigh Trent, Public Relations Coordinator

Callie Schlomer, Budget Analyst

Leslie Diers, Sustaining Advisor

Beth Lloyd, Signature Projects Vice President

Evelyn Ashley	Leslie Obinegbo
Molly Averitt	Danielle Pelzel
Sarah Barnes	Jessica Perroni
Laura Bassett	Laura Perry
Tristan Boethel	Theresa Remek
Ramonda Busby	Monica Shortino
Erin Causey	Mary Skinner
Beth Dominique	Kimberly Umberger
Kylonnice Jackson	Samantha Valadez
Meaghan Johnston	Jennifer Vaughn
Jennifer Kirksey	Linda Vo
Christine Leatherberry	Emily Vodek
Marisa Lockhart	Jentry Wallace
Ellen Morrow	Tara Walters
Jessica Mozer	Michelyn Washington
Pauline Newton	

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