

A Celebration Of Teaching

2018-2019 Ideas with Impact
Innovator and Adapter Grants



FORD MOTOR COMPANY FUND

P L Dodge
FOUNDATION



Bank

America's Most Convenient Bank®



ASSURANT®



FPL



Assurant Cares.

In everything we do, we remember that people count on us.

The Assurant Foundation is proud to support public education in Miami-Dade County. We believe in teachers, and that's why we work with The Education Fund. Through our partnership, we know that teachers will get the resources and professional development opportunities that are so valuable. Thanks for all that you do to build brighter futures.



ASSURANT®

www.assurant.com

THE EDUCATION FUND SUPPORTS TEACHERS AND THEIR CLASSROOMS

The Education Fund designs and implements initiatives that involve the entire community in improving Miami-Dade County Public Schools. Since its inception, The Education Fund has acted on the belief that the future viability of our community depends on the quality of our public schools. By raising student achievement, particularly for children from financially disadvantaged homes, we raise the hopes and improve the future for entire families.

The Education Fund's initiatives are strategic in their efforts to improve learning opportunities for all children. One of The Education Fund's programs that provides strategic services to support our schools is featured in this publication, *A Celebration of Teaching*. Throughout these pages, participants in The Education Fund's Ideas with IMPACT Innovator Grants, Adapter Grants, and Student Power Grants are recognized for their efforts on behalf of our public school students.

IDEAS WITH IMPACT INNOVATOR GRANTS (Formerly Teacher Mini-Grants)

Innovator Grants allow foundations, organizations and businesses, both big and small, to invest directly into the classroom. This investment provides the capital needed by teachers to try out new, creative ideas that support student achievement through enriching, hands-on active learning experiences for students. Pictured: Zeny Ulloa (Kendale Lakes Elementary), Miami-Dade School Board Member Mari Tere Rojas, and Linda Lecht.

Ideas with IMPACT Innovator grants are sponsored by P.L. Dodge Foundation, Assurant Foundation, and FPL.



IDEAS WITH IMPACT ADAPTER GRANTS



Pictured: Hector J. Ponte, Jose Mallea, and Linda Lecht

What makes Ideas with IMPACT possible is great teachers! The program is fueled by teachers who offer fascinating, hands-on learning strategies that engage students and is sustained by thousands of teachers who are willing to expand their repertoire as Ideas with IMPACT Adapters.

The ideas disseminated through the *Ideas with IMPACT* catalog and the Idea EXPO - *The Teacher Conference* are now being implemented in classrooms throughout the county through the awarding of 55 Adapter Grants for the 2018-19 school year.

Ideas with IMPACT Adapter Grant donors include Ford Motor-Company Fund, Assurant, FPL and MORE!

The "Amazing Race" to Learning!

Students are given "the world" through challenges that take them on an "amazing race" just like the television series! Working together in teams, they learn about electricity, different countries, measuring distances, and geography by solving clues, overcoming roadblocks, and exploring detours that will empower them to learn in other places and through a different way than the "normal" classroom setting.

Navia Gomez
Dante B. Fascell Elementary

Brushing & Brunching with The Bard

Immersing themselves in Shakespearean language, high school students express their connection to literary themes, plot, and characterization of the talented writer's plays through the creation of their own original paintings and period culinary treats. This assesses their knowledge of the curriculum and opens avenues that are artistic and creative in nature, allowing for a more meaningful and comprehensive experience.

Jennifer Chapman
Law Enforcement Officers' Memorial High School

Butterfly Mural and Sculpture Garden

The world of multi-media art captures the souls of middle school art students as they immerse themselves in a beautification project that combines the painting of an exterior school wall mural and the

creation of wire sculptures for the school's butterfly garden. This allows for the practical application of material learned in class while proving to be beneficial to the students, school, and the community.

Anna Weiss
Highland Oaks Middle School

Creating a Culturally Responsive Classroom

Independent thinking abounds in this project that infuses multiple perspectives from contemporary characters through books and movies, encouraging students to become knowledgeable about society and to want to create opportunities for everyone, thus enhancing the lives of people around them. This project plants the seed of tolerance and the importance of seeing things from the perspective of others.

Carmen Marroquin
Coral Reef Senior High School

Creative Comprehension Comics

Comic books aren't just about super heroes - they can be created around classic short stories, too. In this project, elementary students display their reading comprehension and art skills by creating comic book style booklets that summarize a story. Setting up story boards, they incorporate math, logical thinking skills, and cooperative learning techniques while fostering their innovative/creative talents.

Kathy Grenier
Summerville Advantage Academy

DocUmentary: History in the Making

History comes alive in this social studies project that documents socio-economic changes occurring in Miami and how students' own

communities are impacted. Through the use of drones, cameras, and computers, students create a short documentary demonstrating how issues of the past still affect them today.

Natalia Allen
iTech @ Thomas Edison Educational Center

Identifying Blood DNA

Identifying DNA through blood evidence comes alive for students exploring their interests in forensic science as a career. Working as a team, they analyze manikins, bones, dental x-rays, photos, and other physical evidence including specific relevant factors contributing to death to determine a solution to a forensic science-related problem.

Serena Thomas
Dorothy M. Wallace COPE Center

Innovators of Today

Business technology classes are taken to a higher level as students use CodeMonkey to begin building the foundation of text-based



INNOVATOR GRANTS SPONSORED BY
P.L. DODGE FOUNDATION



programming through a game-based learning platform. This program helps students solve problems using real code as they develop key skills such as multiple-step thinking, perseverance, critical thinking, and analytical skills.

Mercedes Quintero
South Miami K-8 Center

Jot! Tweet! Write!

Excited about writing about their pets, second grade students learn that writing can be easy and fun. With Boogie Jot 2.0, the words students "jot" down will be written until they erase them, making transfer to paper a breeze. This strategic tool proves to be quite valuable throughout the entire writing process, from the pre-writing/planning stage to the publishing stage.

Jennifer Smith
Dante B. Fascell Elementary

Let's Grow Up!

Healthy living and vocational skills reach new heights in this project based on a tower garden system. Through aeroponics, students with moderate-to-intensive disabilities learn how to sustainably grow healthy, chemical-free produce, providing them with extended learning opportunities to build skills that could possibly help them obtain a job in the future and live independently.

Duysevi Miyar
Country Club Middle School

Learning Math with Wonderful 3D Printing!

A high-tech 3-D printer allows students to create and print their own math curriculum materials, thereby increasing student buy-in on their education and having a final tangible product rather than an

abstract concept. This results in higher levels of comprehension and proficiency while teaching students 21st century skills of the Engineering Process, coding, and virtual design.

Gareth Pearson
Feinberg-Fisher K-8 Center

The Living Mural

Impressions, emotions, and experiences come alive for art magnet students in The Living Mural, a large-scale collaborative mural painting to be executed on the school's interior patio walls. The mural functions as a multi-layered, ever-evolving aesthetic repository for lessons learned within and beyond the art curriculum and gives students a space to contribute meaningfully and collaboratively to their school environment.

Sara Haley
South Miami K-8 Center

Rainbow Library

Reading becomes colorful and vibrant for young students in this program geared to engage them and their non-English speaking family members in read aloud sessions in their own home. With Rainbow Books, language does not matter; the child simply hears reading fluency and sees a family member that respects reading, too. Reading aloud to a child is one single factor that leads to reading success.

Linda Blanchfield
Royal Palm Elementary

Reading, Rhetoric, and Rhyme

Charged with the task of researching literary works connected to a current event or a controversial topic, high school students embark on an investigative

quest. In their journey, they discover relevant works such as essay anthologies, literary plays, and poems to emulate creative writing pieces from multiple perspectives. The result is the creation of a Research Literary Toolbox to be used as a resource for student research reports.

Glenda Moton
Hialeah Senior High School

Shaping Mathematical Success with 3-D Design

Middle school students take the unconventional route, deviating from standard abstract ideas of different shapes, by placing those concepts directly into their own hands. Through the use of TinkerCAD and a 3-D printer, they prove their comprehension of the shape by applying and printing the 3-D shape they create, trading with other peers to test their shapes, and finding the surface area and volume of each.

Katelyn Adamson
Howard D. McMillan Middle School

The Statistics of Mass Shootings

Mass shootings have become a horror in current society. In an effort to bring this issue to the forefront of our country's legislators, high school students investigate statistics and create a catalog that is sent to legislators where the shootings occurred. Becoming civically engaged in this manner promotes advocacy and teaches students that they can make an impact by engaging their community and confronting their leaders in a respectful manner.

Kelsey Major
Everglades K-8 Center

INNOVATOR GRANTS SPONSORED BY
P.L. DODGE FOUNDATION

P L Dodge
FOUNDATION

**STEAM and Beyond:
Scientific Expression
Through the Arts**

Students have a blast applying their creativity in this combination Social Studies/STEAM project that exposes students to various cultures through an exploration of the traditional music and of pageantry of multiple nations. After completing an educational process involving many facets of creation and production, the students craft amazing musical instruments for imaginative and innovative self-expression.

Ekaterina Belyakova
Robert Russa Moton Elementary

**A STEM Apple a Day Will
Bring Learning Your Way**

Technology to the rescue for vulnerable students, from Pre-K to Young Adult, whose lives are impacted by socio-economic, cognitive, physical, and emotional disabilities and who are served through the Home Hospital Instructional Program. Access to interactive tool devices provides

them resources that would not be available to them otherwise, given their socioeconomic and medical situations.

Donna Walker
Brucie Ball Educational Center

Sew Delicious

In the aspiration to boost the confidence of women and girls who suffer hair loss, low self-esteem, and malnutrition as they undergo chemotherapy, students learn basic sewing skills to create slip resistant Chemo Caps and learn about the science of chemotherapy to brainstorm ideas for tasty, nutritious snacks that patients can eat during the chemo process. The caps and snacks are donated to the Women's Cancer Association of the University of Miami.

Angel Myers
Lake Stevens Elementary

**Virtual Reality: The Future Is
at Your Fingertips**

Implementing a STEM-based VR (Virtual Reality) Lab within the classroom ultimately enhances

students' performance and closes achievement gaps that prevent them from reaching their full academic potential. This technology enhances and transports their learning experience to places and environments which are not readily available to them and creates tangible visualization of concepts that were previously only theoretical or in books.

Zeny Ulloa
Kendale Lakes Elementary



INNOVATOR GRANTS SPONSORED BY
ROBERT RUSSELL FOUNDATION

Holocaust Studies using Interactive Notebooks and Virtual Reality Oculus Rift Touch Headsets

Students travel back in time to the Holocaust via the Anne Frank House Virtual Reality App that offers unique and emotional insight to the world-famous Secret Annex in a never before-seen way. This experience is part of a project designed to build historical understanding of the Holocaust, observe it through various perspectives, and create an understanding of the factors that can lead to genocide in an effort to help make ourselves more tolerant, accepting individuals who can make a positive difference in the world.

Dr. Jacqueline Torres-Quinones
South Dade Senior High School

Coding for Non-Readers

Survivors of Hurricane Maria, first grade students benefit from being displaced to South Florida as they become engaged in a coding project for non-English readers. Learning to code with physical coding blocks from Osmo, the award-winning tangible play platform introduces the world of coding to these English language learners as they begin to master standards in mathematics and science.

Marcelle Farley
Lake Stevens Elementary

Robotics Increases Creativity & Brain Stamina in the Inclusion Classroom!

Students see "math in motion" through the use of the robotics in this application of science principles solving real-world problems. Concepts such as ratios, proportions, graphing relationships, and equations are just a few of the topics that robotics has helped generate stronger interest in math and increase comprehension as a whole.

Joyce Lark
Linda Lentin K-8 Center

Flying Into The Future!

Students' interests fly high in this STEM project that engages them in a series of activities introducing them to drones, teaches them what drones are, and explains how they work. Once students have learned and practiced how to operate a drone safely, they design and build a model drone of their own and present it in a mock technology seminar.

Anastasia Charles
Natural Bridge Elementary

STEAMulate Your Mind in Your Makerspace

Early birds get the STEAM for students who are eager to take advantage of a newly set up makerspace in their school's media center. Open before regular school hours and designed to promote innovation, the makerspace offers numerous step-by-step projects and open-ended challenges to stimulate critical thinking and creative problem solving, and promotes communication, collaboration, and reflection skills as students work together.

Lorna Smith
Redland Middle School

Fireball Robotics Club (VEX IQ)

Designed to help them elevate their capability levels in STEM, students delve heads-in and hands-on into the VEX IQ robotics program. Through a series of fun and exciting activities, the snap-on robotics system encourages teamwork, problem solving, critical thinking, and leadership. In addition to those basic engineering skills, students learn coding to program the robots.

Franklin Rodriguez
Campbell Drive K-8 Center

Neuroscience Revolution: Neuroscience in a Box

Students experience the future of robotics with Backyard Brain's "The Claw", a motorized gripper that makes it possible for them to be innovators of human interfaces. Paired with a pre-loaded Arduino microcontroller, The Claw responds to the EMG signals of the students' muscles, allowing The Claw to open and close upon the gripping and relaxing of a hand.

Dr. Suzanne Banas
South Miami Middle Community



INNOVATOR GRANTS SPONSORED BY
MIAMI BAYSIDE FOUNDATION



Design! Create! Market! Go!

Creative innovation is at its best in this endeavor where students learn economic principles of marketing, design, and creation as well as working with multiple platforms to physically make a product with the VR/Illustrator design programs. Designs include logos, characters, and other school designs of choice and can be customized and catered to administration, faculty, and fellow students.

Michael Sakowicz
Highland Oaks Middle School

Genius Squad, "Appy" Hours, and STEM Leadership

IT support takes on a new twist in the form of the Genius Squad. Playing a vital role in providing IT support and training to the school population, Genius Squad students run sixty-minute tutorial "Appy" Hour sessions during and after school to showcase a variety of Apps and Programs. They solve real-world problems in real-time and demonstrate mastery through teaching and training others.

Michael Mitrani
Mater Academy Charter
Middle/High School

Going Green with Bronco-cycling

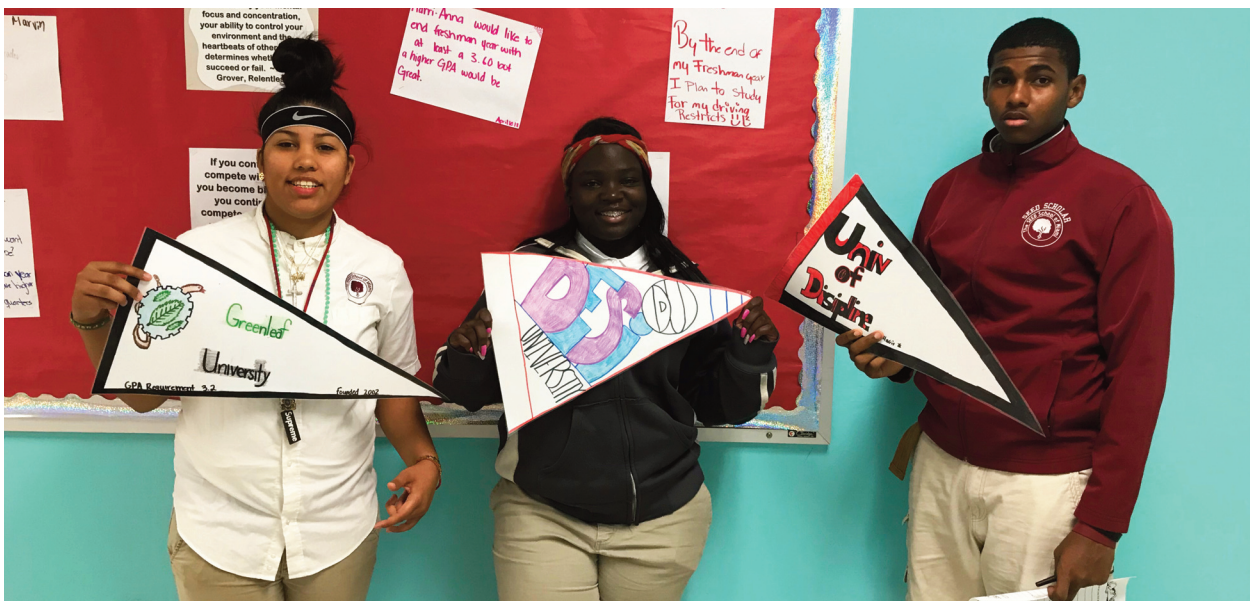
The concept of reuse and recycle takes on special meaning for STEPS students who desire to learn life and employability skills through their involvement in a recycling program. Taking part in all stages of recycled paper production, the students enjoy being involved in their community recycling program as well as learning skills needed to work in a small business.

Cynthia Dahl
Homestead Senior High School

Possibilities for Becoming: The Excavation of Self-Identity Through Arts and Culture

The question, "Who Am I?" engages students in both a self-reflective and community-oriented series of various culturally relevant art and writing projects that will inspire them to discover more aspects of their personal identities. While self-reflection and identity-building are key components of the project, students push beyond this newly found personal awareness into an awareness of the community-at-large through engaged citizenry.

Jennifer Pike-Vassell
The SEED School of Miami





Your Classroom. Our Financial Expertise.

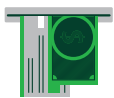
We offer a free, one-of-a-kind program to help students K-12 develop strong financial skills.

We have learning resources for everyone.



Elementary School

They are never too young to learn the history of money and how it works. We use storytelling to teach children the basic principles of money, saving and banking.



Middle School

The perfect age to learn more about saving, budgeting, and what a checking account is all about.



High School

Prepare students for their financial futures. They'll learn about opening and managing a checking account, ATM cards, income taxes and car insurance.



TD Bank Learning Center Ages 13+

This mobile-friendly platform provides you with 10-minute personal finance lessons anytime, on any device.



Virtual Stock Market Simulator Ages 13+

Learn how to manage a portfolio, increase your knowledge, and lead a virtual stock market challenge with your class or organization.

Visit one of our **30** Miami Dade locations or visit **tdbank.com/financialeducation** to learn more.



America's Most Convenient Bank®

1-888-751-9000 | tdbank.com

IDEAS WITH IMPACT ADAPTER GRANTS

The inspiration for Adapter Grant projects originate from The Education Fund's annual ***Ideas with IMPACT*** catalog and **Idea EXPO - The Teacher Conference**. This year, The Education Fund's *Ideas with IMPACT* program continued its promotion of STEM (science, technology, engineering, and mathematics) projects.

The ***Ideas with IMPACT*** catalogs offer innovative projects and teaching strategies developed by Miami-Dade County Public School teachers and tested in their classrooms. Curriculum guides are written and workshops are held by the teachers who developed the projects to help other teachers adapt the ideas to their own classrooms. The how-to curriculum idea packets and information on Ideas with IMPACT grants are available at www.educationfund.org.



IDEAS WITH IMPACT ADAPTER GRANTS ARE SPONSORED BY:



FORD MOTOR COMPANY FUND



ASSURANT®



FPL

IDEAS WITH IMPACT ADAPTER GRANTS SPONSORED BY FORD MOTOR COMPANY FUND



FORD MOTOR COMPANY FUND



Come Code with Me

Disseminator: Nancy Sale
Adapter: Marcelle Farley
(Lake Stevens Elementary)

iCodeMe

Disseminator: Lisa Hauser
Adapter: Ruby Villa
(Dante B. Fascell Elementary)

iSTEM Girls

Disseminator: Navia Gomez
Adapters: Janet Pinero
(Broadmoor Elementary)
Hadassah Weiner Friedman
(Gertrude K Edelman/Sable Elementary)

STEM made SIMPLE

Disseminator: Navia Gomez
Adapters: Sandra Bell
(Downtown Miami Charter School)
Valerie Mills-Stuart
(Pine Lake Elementary)

The Shape of Art Through Math

Disseminator: Leah Bido
Adapter: Ekaterina Belyakova
(Robert Russa Moton Elementary)

IDEAS WITH IMPACT ADAPTER GRANTS SPONSORED BY ASSURANT



ASSURANT®

Alexa In the Classroom

Disseminator: Zeny Ulloa
Adapters: Shaniquah Belvin
(Kesley Pharr)
Silvana Bermudez
(Gateway Environmental K-8
Center)
Bridgit Coley
(Renaissance Charter Middle)
Arris Knighton
(Mater Academy)
Maria Silva
(Lake Stevens Elementary)

Billboard Text-Features Project

Disseminator: Ileen Martin
Adapter: Heather Zielke
(Law Enforcement Officers'
Memorial High School)

Breakout EDU

Disseminator: Joyce Rosales
Adapter: Jennifer Smith
(Dante B. Fascell Elementary)

Essential Oils and Infusions for Wellness

Disseminator: Alena Sheriff
Adapter: Alina Calabresi
(Ruth K. Broad Bay Harbor
K-8 Center)

Get On The Ball!

Disseminator: Jaqueline
Gil-Abarzua
Adapters: Jennifer Cary
(Kendale Lakes Elementary)
Leilani Echezabal
(Riverside Elementary)

Literacy in a Pot

Disseminator: Jennifer Smith
Adapter: Dianna Rose
(Palm Lakes Elementary School)

Mindfulness with a Growth Mindset

Disseminator: Angela West
Adapter: Glenda Moton
(Hialeah Sr. High)

Passionate Pots

Disseminator: Michael Flaum
Adapters: Lourdes Fuller
(Shenandoah Middle)
Anna Weiss
(Highland Oaks Middle)

The Readers' Cafe

Disseminator: Willecia Stubbs
Adapters: Natalia Allen
(iTech @ Thomas A. Edison
Educational Center)
Silvana Bermudez
(Gateway Environmental
K-8 Center)
Zeny Ulloa
(Kendall Lakes Elementary)

See the World Through A Pinch Pot

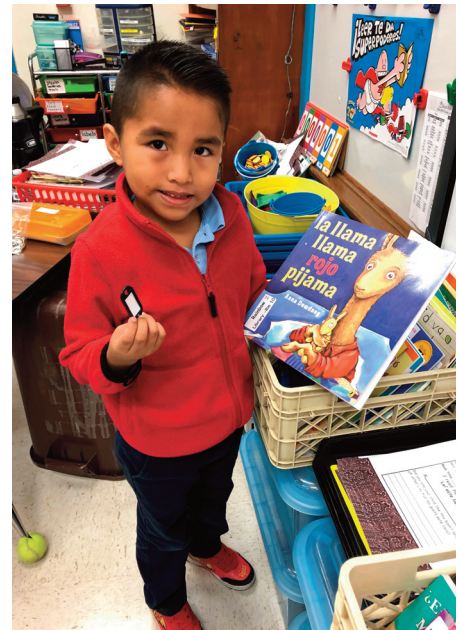
Disseminator: Sara Alfaro
Adapter: Michael Flaum
(Jack D. Gordon Elementary)

Tools, Teepees and Trellises

Disseminator: Sam Chillaron
Adapters: Debra Reese
(Joella C. Good Elementary)
Ruby Villa
(Dante B. Fascell Elementary)

Using Literary Nonfiction for LAFs: Biographies Come to Life!

Disseminator: Gloria Plaza
Adapter: Jenifer Batchelder
(Bob Graham Education Center)



IDEAS WITH IMPACT ADAPTER GRANTS SPONSORED BY FPL



Building a Competitive Robotics Team

Disseminator: Tandy Caraway

Adapter: Marcelle Farley (Lake Stevens Elementary)

Building Robots... and More (SD Robo Tech)

Disseminator: Shawn Waring

Adapter: Franklin Rodriguez (Campbell Drive K-8 Center)

Dashing through STEAM

Disseminator: Marcelle Farley

Adapters: Brenda Bernal (Downtown Doral Charter Elementary)
Bridgit Coley (Renaissance Charter Middle)
Navia Gomez (Dante B. Fascell Elementary)
Elizabeth McLendon (Miami Shores Elementary)
Maria Mur (Sunset Elementary)



IDEAS WITH IMPACT ADAPTER GRANTS SPONSORED BY JACK CHESTER FOUNDATION

Anne Frank And Me

Disseminator: Jodie Ray

Adapter: Dr. Jacqueline Torres-Quinones

Teaching Trunks on The Holocaust

Disseminator: Esther Sterental

Adapter: Dr. Jacqueline Torres-Quinones

IDEAS WITH IMPACT ADAPTER GRANTS SPONSORED BY MIAMI BAYSIDE FOUNDATION

Smarth Path: Guide to College Clubs

Disseminator: Elizabeth Briano and Vicky Puentes

Adapter: Dr. Jacqueline Torres-Quinones



STUDENT POWER

SPONSORED BY



**School District
Education Foundation
Matching Grant Program**

We are proud to announce our newest initiative, Student Power. This pilot project includes three powerful, hands-on grant opportunities: Project Citizen, UTD Effective Citizenship, and Inner-Club Council. Students will engage in project-based learning as they explore the steps involved in creating policy change on a local, state, or federal level.

Project Citizen

Rukayat A. Adebisi

Hialeah-Miami Lakes
Senior High School

Estavon York

Miami Edison Senior High
School

Robert Nolan

Miami Springs Senior High
School

Kathleen Quarrels

Young Women's Preparatory
Academy

Jesula Charles

Miami Jackson Senior High
School

Effective Citizenship

LaShanda West

Cutler Bay Senior High
School

Natalia Allen

iTech @ Thomas Edison
Educational Center

Peter Falcon

Barbara Goleman Senior
High School

Jennifer Brown

Law Enforcement
Officers' Memorial
High

Inter Club Council

Michelle Kelly

Miami Springs Senior High
School

Anne Makay

Miami Southridge
Senior High School

Anthony Cabrera

Young Women's
Preparatory Academy

Arneisha Crawford

North Miami Senior High
School

Precious Symonette

Miami Norland Senior High
School



Special thanks to



for their continuous support
of The Education Fund.





Contributors with **IMPACT**

Platinum Star



FORD MOTOR COMPANY FUND



School District
Education Foundation
Matching Grant Program



Gold Star



America's Most Convenient Bank®



ASSURANT®

P L Dodge
FOUNDATION



Iris Smith



Silver Star



PEREZ TRADING COMPANY

MBF | Miami
Bayside
Foundation

Rod and Lucy
Petrey

Bronze Star

Raj Rawal and
Anne Marie Miller

Robert Russell
Memorial Foundation

Jack Chester
Foundation



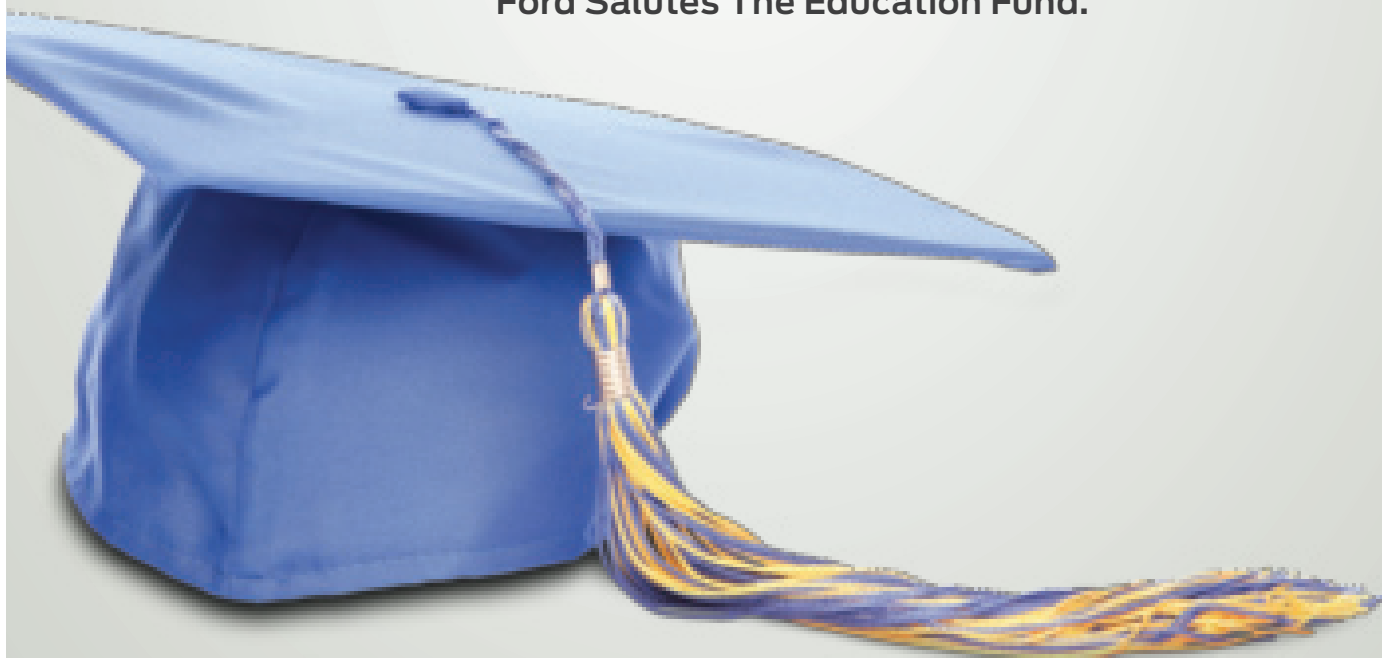
| FORD MOTOR COMPANY FUND

Driving a **Brighter Future**

For more than 65 years, Ford Motor Company Fund has worked to improve people's lives, investing \$1.5 billion to support innovative programs in Community Life, Education, Safe Driving and the Ford Volunteer Corps.



For opening minds, creating opportunities,
and helping to create a brighter future,
Ford Salutes The Education Fund.



www.community.ford.com • @fordfund_ • @ford