EDUCATION FUND

FOR EXCELLENCE IN MIAMI-DADE PUBLIC SCHOOLS

A Celebration of Teaching

2020-2021 Ideas with IMPACT Innovator, Adapter, Student Power, and Civics Podcast Grants





 ASSURANT





LYNN AND LOUIS WOLFSON II FAMILY FOUNDATION





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THE LUCY PETREY FUND



CATION THE EDUCATION FUND SUPPORTS TEACHERS AND THEIR CLASSROOMS

FOR EXCELLENCE IN MIAMI-DADE PUBLIC SCHOOLS

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 vital 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, Adapter, Student Power, and our new Civics Podcast Grants are recognized for their efforts on behalf of our public school students.

IDEAS WITH IMPACT INNOVATOR GRANTS

Ideas with IMPACT Innovator Grants are sponsored by

Innovator Grants allow foundations, organizations, and businesses, both big and small, to invest directly in 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.

P.L. Dodge Foundation, FPL, PNC Bank, Miami Bayside Foundation,



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Valley Bank, and The Lucy Petrey Fund.

IDEAS WITH IMPACT ADAPTER GRANTS

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 are then 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 56 Adapter Grants for the 2020-21 school year.

Ideas with IMPACT Adapter Grant donors include Ford Motor Company Fund, Assurant, and FPL.



Each year, one or more Innovator Grants will be awarded through The Lucy Petrey Fund. The selected grant(s) will embody Lucy's principled values, spirited leadership, and irrepressible commitment to our public schools.

Waterwheel of Energy

This project provides Special Education students with the opportunity to create their own water wheel. It will empower and challenge social skills through teamwork, and motivate students with a wide range of learning disabilities to apply scientific ideas, test, and refine a device that converts energy from one form to another.

Students discuss and analyze the types of fuel used to generate energy, then design, build, and present a renewable energy device. Students receive support and encouragement to achieve and develop their maximum potential while using their creative abilities. Students learn about renewable energy sources including sunlight, wind, and water power.

This hands-on activity gives room for students to try new things without being afraid, organize their way of thinking, and sustain their on-task behavioral skills which a majority of SPED students lack.

How Does the World See Me?

Navigating Uncomfortable Conversations in the Blended Classroom

Middle and Senior High School students use works of visual art, literature, and history as starting points for discussion, engagement, and critical inquiry in the sometimes difficult and uncomfortable discussions around racism, antiracism, art, history, and culture. Students are challenged to examine their own implicit and explicit biases as they build a classroom community of trust and openness, leading students to gain a sense of personal agency and empowerment through group dialogue and individual creative expression.

Working in a wide choice of modalities of creative expression, students create and build a portfolio of work in physical and digital media. Portfolios will include student artist statements for each piece created, describing the inspiration and personal meaning behind each creative work and seeking to answer important questions about representation in art and in media. This project will culminate in a school gallery presentation and a virtual public exhibition.

Luzabelle Lucas Gulfstream Elementary Jennifer Pike-Vassell The SEED School of Miami

A Time, When Time Stood Still

Students take serious control of their time during the pandemic quarantine with writing prompts that encourage positive expression of emotions, writing skills, and personal time capsules that contain items based on their writings. This innovative enterprise provides a needed outlet for students to communicate during a time when they feel like time is standing still.

Jennifer Smith *Redland Elementary*

Boosting Student Engagement with Smartphones!

Smartphones allow students to access educational platforms in a familiar format: thereby, increasing engagement and understanding. Many students have never used computers, but are familiar with smartphones and more likely to become engaged. Students use restricted-access smartphones to access multiple educational platforms, making blended learning as easy and accessible to students as possible.

Gareth Pearson Fienberg Fisher K-8 Center

Center Cinecritique

French program seniors become film critics for a year and select the best short film of a real French film festival, Le Festival de Poitiers. They participate in workshops sponsored by the French PTSA on the history of cinema and film critique, watch short films, and write film critiques in French for the festival. They serve as jury members and acquire new skills to become film critics. Culminating with a virtual red carpet "movie night" with the French Consulate in Miami, this project helps students develop their writing and critical thinking skills in French and exposes them to Francophone culture from around the world.

Corrine Lhermitte

International Studies Preparatory Academy (ISPA)







Citizen Gen Z

Global events in the lifespan of Generation Z have inspired students to want to change the world. Students use statistics to increase voter registration and turnout by producing creative vignettes and materials. The integration of relevant topics during this unprecedented time promotes student engagement and helps civics and statistics come to life. The campaigns produced provide resources and information that will actively engage the community's civic responsibility.

Racquel Gibson

Georgia Jones-Ayers Middle





Come & Meet My Best Friend Floreo!!!

One in five teenagers with autism will be stopped and questioned by police before they reach the age of 21, potentially escalating to life-threatening situations if teens are unable to respond quickly and coherently. Using Floreo, a virtual reality program, students practice stressful scenarios. The program helps engage students and practice life, behavioral, and social skills and provides the opportunity to develop these skills in a safe, repeatable environment.

Duysevi Miyar

Country Club Middle

Mini-Mozarts Making Music

When a child creates their own musical composition, they receive a non-tangible reward unmatched in emotion. Piano playing portable keyboards are used to train musical ears, develop eye-hand coordination and teach simple composition. Piano playing reinforces basic skills that parallel reading abilities, and help beginning students gain self-confidence by practicing at home. Students record their tunes using music notation software and their patterns are combined into musical compositions. Playing the piano is the ultimate hands-on learning activity!

Deborah Mar

Southwood Middle



Music Has the Power to Heal: Demonstrating the Practicality of Acoustic Science

This STEAM project will help alleviate anxiety caused by COVID-19, students learn about sound creation, musical notes, how musical instruments work, and the math involved in manipulating and assembling materials. Students use classroom instruments and those they create to participate in therapeutic musical sessions and presentations for their peers. This project seeks to not only teach music, but also to address the needs of students using the "Whole Person Concept."

Dr. Ekaterina Belyakova

Fienberg Fisher K-8 Center

Mystifying, Multipurpose, Merging Learning Cube Boxes

Technology is at its best when teaching with the Merge Cube, an augmented reality (AR) experience. The Merge Cube allows students to physically hold and interact with 3-D objects virtually, such as exploring a galaxy, holding fossils, or watching an erupting volcano. Access to this type of technology gives them an advantage as they prepare for their future career.

Dr. Jacqueline Torres-Quinones

South Dade Senior High

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Opening the Windows of the World

Honors science students collaborate with students in the Bahamas on an exciting aeronautics project. Via teleconferencing, these students work together on wing design as they learn basic flight principals and how to code drones. Learning from each other, they have authentic audiences for their work. Telecommunications makes learning exciting and exposes both sets of students to a different culture. The project culminates with all students choreographing a drone air show.

Dr. Suzanne Banas

South Miami Middle Community

STEM Green Screen Productions

Dynamic illustrations of scientific processes and mathematical/ literary concepts come visually alive for ELL students when applying the STEM Green Screen Production kit to lessons. Implementing this multi-media project requires hands-on learning and creativity as students practice their English language skills while gaining loads of STEM knowledge in the process.

Dr. Vivian Veiga Kensington Park Elementary

Stitch in Time- At Home

Sashiko is a centuries-old Japanese needlework technique that requires patience and increased mindfulness - perfect skills to practice in a pandemic. The lessons promote socialemotional learning, the three R's (Reuse, Recycle, Repurpose), and an appreciation of ancient fiber arts methods. The handson lessons offers a bridge to the history of the craft with present concerns in the evolving path of textiles.

Alina Rodriquez

M-DCPS Curriculum Support Specialist - Visual Arts

Stop the Spread

Second grade students learn all about viruses and how they spread. They create a plan to prevent the spread of COVID-19 at their school. They create flyers to share with other students and staff to help educate them on safe protocols.

Janet Pinero

Broadmoor Elementary

The Self-Care Studio

Self-care to the rescue in this endeavor for students that focuses on using a quiet space to practice social-emotional strategies and self-reverent practices to aid in coping with stress, uncertainty, and difficulty. Activities include breathing exercises, brain messages, yoga, and more – all geared to promote social, emotional, and mental health.

Dr. Precious Symonette

Miami Norland Senior High



Using Collaborative Platforms for Blended Learning

Third and fourth grade students struggling with remote learning read encouraging texts to help develop blended learning strategies. Books including A Thousand No's and What Would You Do with a Chance? help children understand what it means to persevere despite challenges. They research current events and conduct mock interviews with students playing historic figures who have changed the world for the better. Students create a music video and present a "showcase" of their projects with other classmates and parents.

Navia Gomez Dante B. Fascell Elementary

Virtual Reality Adventures

Virtual Reality (VR) provides a remarkable impact on placing learning in context, improving retention, meeting the needs of special needs students, and enriching literacy - it excites even the most reluctant learners. This project is designed to benefit students that struggle to remain focused during traditional lessons. Student retention levels will soar when visiting planets through virtual reality. Students document their experiences in their VR Learning Log as part of the experience.

Karen Gant Lake Stevens Elementary











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CHANGING THE CURRENT.



3-D Printing Generation of Stereospecific Atomic Particles and Molecules

Students' understanding of coding increases as they learn organic chemistry. They create a 3-D printed sphere in relative proportion to adjacent atoms while demonstrating understanding of bondlength and intra-molecular distance. Using Block and Python programing to write code, they print a 3-D structure. Students transmit this code to a remote location and print their components. The 3-D printed components are brought to class and peer-reviewed for accuracy.

Sergio Cartas

Coral Gables Senior High

Bot! The Engineer that Could Code!

Coding, game design, and cybersecurity become exhilarating hands-on lessons for students as they gain experience in basic circuitry, engineering, and coding. Using CodeBot, they write their own code to mobilize a robot without the aid of a controller. Other activities promote connection to online courses and free, open-source programming and coding tools to connect with others around the world.

Michael Sakowicz Felix Varela Senior High

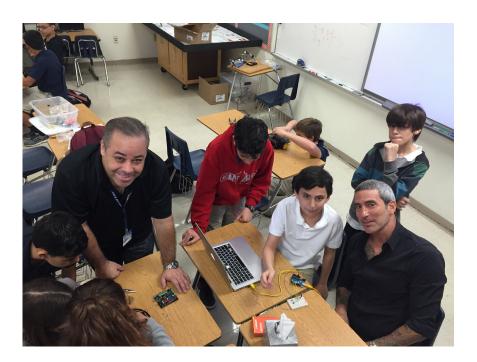
Using Physical Devices to Learn Python

Ninth graders with little or no background in coding learn valuable skills in computer science, using a new approach to make learning fun in the remote learning environment. Students learn Python in hands-on projects using microbits, code, and software. Students change animation speed of images, create sound effects, connect a thermistor to microbits using code, and more. Students learn text-based programming while creating tangible, challenging, and practical projects.

Mark Godinez

South Dade Senior High









INNOVATOR GRANTS SPONSORED BY MIAMI BAYSIDE FOUNDATION & VALLEY BANK



The Art of Communication

To prepare students for the college and job interview process, students develop skills to write cover letters, resumes, and admissions essays. Students participate in mock interviews and develop portfolios to include during their job and college admissions and build digital portfolios to use when applying for jobs and/or college. They also develop a website showcasing their work and interests, and develop their online presence on LinkedIn, Twitter, and Instagram.

Natalia Allen

iPrep Academy North

pandeMATHS - (The Numbers Surrounding COVID-19)

Students go inside the coronavirus pandemic and view it with a mathematical lens. They construct and interpret graphs that experts use to explain the pandemic. Students analyze published statistical health data then make their own projections, leading students to investigate the math of the virus production and spread, contact tracing, probability of contracting the coronavirus, and probability of an infected person dying from the virus. Students analyze the economic impact of COVID-19 as it relates to unemployment, business closures, and the impact of the stimulus on the nation's deficit with equations and graphs related to Gross Domestic and National Product, and monetary and fiscal policy. Students experience how mathematical concepts can solve complex societal problems.

Kelsey Major

iPrep Academy North

STEAM Digital Literacy Picture Perfect!

Students build and engineer digital cameras to use in Digital Marketing Magnet and Advanced Placement Studio Art courses for M-DCPS and college competitions. They use researchbased scientific evidence to develop and execute a plan, then test their models using 3-D printers. These students use STEAM strategies and activities to use throughout their career and to document their portfolios for post-secondary education and careers.

Alicia Gant

Barbara Goleman Senior High





INNOVATOR GRANT SPONSORED BY MIAMI BAYSIDE FOUNDATION & VALLEY BANK





Typing into the Future!

Learning keyboarding improves accuracy and helps with decoding and sight-reading skills for children who struggle with learning difficulties. While typing is second nature to students, poor grammar and spelling habits have become the norm due to texting. By learning to type proficiently, students develop valuable lifelong habits that will greatly impact their future studies and careers.

Kimberly McWilliams Palmetto Elementary



INNOVATOR GRANT SPONSORED BY **PNC BANK**

Think Outside the (Prop) Box

The dramatic play-learning center is an essential part of the early childhood classroom that can be maximized to help children explore different roles and situations as they play with items adults use in everyday life. As they engage in authentic, real-life learning experiences, student higherlevel thinking skills, problem-solving, and oral language skills are developed. Prop boxes make offering new and diverse tools easy and responsive to children's changing interests and skills. By adding realistic and familiar props, students' play experiences will become more complex. Students are able to practice real-life experiences and be exposed to future careers, as the boxes appeal to both boys and girls across all cultures. Young children learn best with thematic approaches, an integrated or project-based curriculum model, where various subjects intersect within a selected theme, unit, or project that makes learning holistic and meaningful for children.

Alicia Velazquez

Coral Terrace Elementary





IDEAS WITH IMPACT ADAPTER GRANTS

The inspiration for Adapter Grant projects originates from The Education Fund's annual *Ideas with IMPACT* catalog and **Idea EXPO - The Teacher Conference.**

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:











IDEAS WITH IMPACT COLLEGE AND CAREER

ADAPTER GRANTS SPONSORED BY



Disseminator:

Michelle Singh

Dr. Suzanne Banas

South Miami Middle

Adapter:

Community

Building Bridges with

Skype in the Classroom

Doodly Drawings for Deeper Understanding Disseminator:

Nelson Borrego Adapter:

Melissa Fernandez TERRA Environmental Research Institute

Green Dreamers Power-Up Using Wind Energy Disseminator:

Valley

Linda Buquet Adapter:

Janet Duguay-Kirsten South Miami K-8 Center



www.educationfund.org



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.

www.assurant.com



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Credit Card or Cash: What's the Actual Cost? Disseminator:

Natalia Allen Adapter: Constance Gilbert Dorothy M. Wallace Cope Center

Doodly Drawings for Deeper Understanding Disseminator:

Nelson Borrego Adapters: Gina Ruiz-Houston Barbara Goleman Senior High

Edible Mandalas to the Rescue! Disseminator:

Anna Weiss Adapters:

Lilian Gonzalez Dr. Toni Bilbao Preparatory Academy Maritza Salazar Miami Gardens Elementary Janet Pinero Broadmoor Elementary

Kindness is Wonderful... Sprinkle That Stuff Everywhere! Disseminator: Leilani Echezabal

Adapter: Maria Vindell EWF Stirrup Elementary

Ode to Nature Disseminator: Erika Reboucas

Adapters: Navia Gomez Dante B. Fascell Elementary Dr. Vivian Veiga Kensington Park Elementary

Reduce, Reuse, Recycle, with Music Disseminator: David Cruz Adapter: Ekaterina Belyakova Fienberg Fisher K-8 Center

Synthesize to Empathize Disseminator: Carmen Marroquin Adapter: Dr. Precious Symonette Miami Norland Senior High

Teaching in FLOW with Mindfulness 2.0 Disseminator:

Teri Rodriguez Adapter:

Lissette Trelles J.C. Bermudez Doral Senior High

The Social Justice Book Study Series Disseminator: Dr. Precious Symonette

Adapters: Benita Gordon Homestead Middle

Dr. Jacqueline Torres-Quinones South Dade Senior High





ADAPTER GRANTS SPONSORED BY THE FREDERICK A. DELUCA FOUNDATION





Bueno Pesto! Disseminator: Chef Paula Kendrick Adapter: Vanessa Radice

Hialeah-Miami Lakes Senior High

Clean Hands, Essential Oils and Bubbles...Oh My! Disseminator: Alena Sheriff

Adapters:

Kernante Jules Gertrude K. Edelman Sabal Palm Elementary

Lilian Gonzalez Dr. Toni Bilbao Preparatory Academy

Laura Berenguer Robert Renick Educational Center

Mayako Nakamura Gratigny Elementary Janet Pinero

Broadmoor Elementary **Dianna Rose**

Morningside K-8 Academy Dr. Vivian Veiga Kensington Park Elementary Plant Diagnosis 101 Disseminator: Cara Rockwell Adapters: Debra Reese Joella C. Good Elementary Vivianna Zaila North Miami Senior High Sow It, Grow it, Know It Disseminator: Beth Davis Adapters: Vanessa Radice Hialeah-Miami Lakes Senior High Dr. Precious Symonette Miami Norland Senior High







Driving a Brighter Future

Since 1949, Ford Motor Company Fund has invested more than \$1.5 billion around the world to build stronger communities and help make people's lives better by supporting programs in education, safe driving and community life.





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



www.community.ford.com #fordgivesback @fordfund_

ADAPTER GRANTS SPONSORED BY FORD MOTOR COMPANY FUND



Alexa in the Classroom Disseminator: Zeny Ulloa Adapter: Gussie Sakowicz Miami Beach Senior High

Building An Aquatic Think-Tank Disseminator: Sherian Demetrius

Adapter: Katie Ortiz Miami Springs Senior High

Classroom of the Future with Augmented and Virtual Reality Disseminator: Zeny Ulloa Adapter: Karen Gant Lake Stevens Elementary

Geometry 3-D Shapes Disseminator: Ailyn Garciga

Adapter: Linda Buquet Gateway Environmental K-8

Making Virtual Reality Your Own Disseminator: Dr. Suzanne Banas Adapters: Karen Gant Lake Stevens Elementary

Hadassah Weiner-Friedman John F. Kennedy Middle

Rhythms, Rhymes, and Multiplication Times Disseminator: Stephanie Rolle Adapter: Sadie Klein Biscayne Gardens Elementary

Using Virtual Reality to Teach Climate Change Disseminator:

Mark Godinez

Katie Ortiz Miami Springs Senior High Michael Sakowicz Barbara Goleman Senior High Sandra West Hialeah-Miami Lakes Senior High







ADAPTER GRANTS SPONSORED BY







Coding for Non-Readers Disseminator: Marcelle Farley Adapter: Emmanuela Louis Frederick Douglass Elementary

Legos Coding Fun

Disseminator: Duysevi Miyar Adapters: Marcelle Farley Lake Stevens Elementary Janet Pinero Broadmoor Elementary Jodi Vasquez Poinciana Park Elementary Karrine Williams Alonzo and Tracy Mourning Senior High

Sphero Robots Used to Bring Coding to Life Disseminator: Gina Ruiz-Houston

Adapters: Dr. Suzanne Banas South Miami Middle

Community **Duysevi Miyar** Country Club Middle



ADAPTER GRANTS SPONSORED BY JACK CHESTER FOUNDATION & ROBERT RUSSELL MEMORIAL FOUNDATION

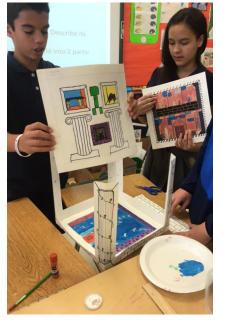
Anne Frank's (Virtual) Reality Disseminator: Dr. Jacqueline Torres-Quinones Adapters: Mark Godinez South Dade Senior High Duysevi Miyar Country Club Middle

Bystanders-No More! Disseminator:

Susan Rosenthal Adapter: Maria Vindell EWF Stirrup Elementary Florida Holocaust Museum Virtual Tour Disseminator: Kelsey Jagneaux Adapter: Dr. Jacqueline Torres-Quinones South Dade Senior High

Teaching the New Three R's Respect, Responsibility, and Remembrance Disseminator: Jan Hartleben Adapter: Joan Yesulaitis

Barbara Goleman Senior High



ADAPTER GRANT SPONSORED BY **PNC BANK**

PNCBANK

Meet Kibo Digital Literacy in the Primary Grades Disseminator: Marcelle Farley Adapter: Heather Tavio Sylvania Heights Elementary







SPONSORED BY:





In 2018, Louis Wolfson III and the Wolfson Family Foundation challenged The Education Fund to educate and engage students to develop their voices on issues of importance to the students - to teach students how to actively participate in government. From this challenge grant, Student Power was born.

Today, middle and high school students are learning to find their voices through this project-based learning. As part of Student Power, they identify and research a local public policy issue of their choosing and then propose their ideas to the relevant decision-makers, learning from setbacks, and sharing their project with others. Students' interests are wide ranging from the need for mental health services, to issues related to cash bail, to a concern about vaping among teens, to the local impact of climate change and more.

We salute the teachers who are piloting this new methodology, creating the leaders of today and tomorrow.

Rukayat Adebisi Hialeah-Miami Lakes Senior High

Natalia Allen iPrep Academy North

Tracey Burger John A. Ferguson Senior High

Jesula Charles Miami Jackson Senior High

Peter Falcon Barbara Goleman Senior High

Judith Gelber iPrep Academy

Racquel Gibson Georgia Jones Ayers Middle Mark Godinez South Dade Senior High

Benita Gordon Homestead Middle

Judith Grey North Miami Senior High

Shaquellia Holmes Miami Norland Middle

Celia Layzell William H. Turner Technical Arts Senior High

Kelsey Major iPrep Academy North

Deja Monroe Homestead Middle

Hugo Moraga Hialeah Senior High Samantha Moulton-Green Miami Springs Middle

Dr. Precious Symonette Miami Norland Senior High

Dr. Jacqueline Torres-Quinones South Dade Senior High

Jessica Trujillo Miami Norland Middle

Silvia Villacis West Miami Middle

Asiah Wolfolk-Manning Carol City Senior High

Joan Yesulatis Barbara Goleman Senior High



CIVICS PODCAST GRANT

SPONSORED BY:

LYNN AND LOUIS WOLFSON II FAMILY FOUNDATION

We are proud to announce our newest grant, sponsored by the Lynn and Louis Wolfson II Family Foundation, to inspire and teach students to use their voices for good via the process of creating and broadcasting audio and video podcasts.

Student media projects will cover a variety of current and relevant topics, including pandemic management, vaping, gun laws, social media, bullying, and environmental issues - but ultimately the students will select relevant issues of most concern to them.



This grant will provide teachers with the funds necessary for students to produce their media projects and the platforms to share them with their peers, their community, and the world!

Natalia Allen iPrep Academy North

Jason Crespo Homestead Middle

Racquel Gibson Georgia Jones Ayers Middle

Mark Godinez South Dade Senior High **Benita Gordon** Homestead Middle

Michelle Kelly Miami Springs Senior High

Robert Nolan Miami Springs Senior High

Andrew Reich Dr. Michael M. Krop Senior High **Lydia Robinson** Leisure City K-8 Center

Gina Ruiz-Houston Barbara Goleman Senior High

Dr. Jacqueline Torres-Quinones South Dade Senior High

Asiah Wolfolk-Manning Miami Carol City Senior High







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