

GRANTS FOR  
2019-20



**New Providence**

EDUCATION FOUNDATION

Every School. Every Subject. Every Student.

### What we do.

NPEF creates successful partnerships between the New Providence, New Jersey, public school community and the community at large, including residents, alumni, and businesses, to provide for and enhance the educational experiences of our students.

The members of NPEF and their supporters raise and distribute monies for the schools each and every year. These grants are teacher-initiated, help supplement existing programs, and provide for new and innovative efforts, many of which would not otherwise be funded.

- Foster partnerships between the New Providence Public Schools and the community to enrich the educational programs in the schools
- Support new and innovative educational programs that are otherwise not funded through traditional sources.

### What we stand for.

New Providence Education Foundation was formed in 2004 with the charter to:

- Generate and allocate resources that will enhance the educational experiences of students in the New Providence Public Schools.

### Who we are.

Anne McLane, *President*  
Chris Naughton, *Co-Vice President*  
Robyn Kelly, *Co-Vice President*  
Denis Naughtner, *Treasurer*  
Sharon Licari, *Secretary*

#### BOARD MEMBERS

Suzanne Bobvini, Eugene Castagna, Debra Karrat, Jennifer Killea, Amy Lepre, Kate McShane, Gina Michal, Gina Snyder, Kelly Szeto, Shane Wike, Rebecca Coniglio, David Miceli, Ed.D.



[npedfoundation.org](http://npedfoundation.org)

## Supporting Innovative Educational Programs That Empower Our Children

### NEW PROVIDENCE EDUCATION FOUNDATION Summary of Grants, 2019-20

#### • Digital Drawing & Writing with Logitech Crayons

\$1,740 | School: Salt Brook | Target: All 5<sup>th</sup> Grade Students

This is the first year of the one-to-one iPad usage for 5<sup>th</sup> graders at SB. This precise tool is easier for students to use rather than having them use their fingertips to annotate.

#### • Membean

\$1,290 | School: Salt Brook | Target: Grade 6 (Language Arts)

This Membean pilot program will support the development of vocabulary in the classroom. It will provide a guided and more engaging vocabulary instruction versus the stereotypical example of memorization and repetition.

#### • Lights, Camera, Action!

\$932 | School: Salt Brook | Target: All Students in Grades K-6

In conjunction with the newly painted green-screen wall, this new Padcaster equipment (including LED lights, Teleprompter, Tripod and case) will help enhance the students' experience when producing video school announcements and projects as well as help to simplify the way the space is currently used.

#### • Beyond Robotics, Micro-Computers in STEM

\$5,008 | School: AWR + Salt Brook | Target: All STEM Students in Grades K-6

This continuation of a hands-on activity supports Computer Science and Engineering curriculum. The Micro:bits are small computers to which students can add sensors to input information and output devices such as lights, buzzers, etc. This allows the students to create these computer systems and then write programs to operate them.

#### • Leveled Library Book Sets

\$1,497 | School: Salt Brook | Target: All Students in Grades K-3 (Language Arts and Special Education)

To support the curriculum, the Rigby Reading Levels sets were provided to supplement their existing reading materials in the classroom.

#### • Next Generation<sup>®</sup> Learning Spaces

\$19,535 | School: AWR/SB/MS/HS - All Administrators & Teachers | Target: All NPSD Students

Rethinking classroom designs and configurations that will help to motivate and educate Generation Z and 21<sup>st</sup>-Century learners. Focus is on ways to modernize the classrooms at all four of our schools that will provide comfortable areas and options for standing or sitting. This will allow for more collaboration, inspiration and enhance learning at all levels.

#### • Orff Instrumentarium

\$3,766 | School: AWR | Target: Students in Grades 1-6

Purchase of Orff instrument set which includes Rosewood Bass Xylophone, Rose Alto Xylophone, Rosewood Soprano Xylophone, Alto Metallophone, Soprano Metallophone, Alto Glockenspiel and Soprano Glockenspiel.

#### • Logitech Crayon Digital Pencils

\$3,300 | School: AWR | Target: Students in Grades K-6

To be used with iPads, the Logitech Crayon will emulate a pen, pencil, crayon and/or a marker and will enhance learning.

#### • School-wide Gratitude Initiative

\$800 | School: AWR | Target: Students in Grades 1-6

As part of the District-wide Social Emotional Learning Initiative, the goal is to promote prosocial behaviors such as gratitude, self-regulation and emotional well-being in our students. This project will provide our teachers with the strategies to help create a positive classroom environment.

#### • The Multi-Sensory Future of Learning

\$314 | School: AWR | Target: All 1<sup>st</sup> Grade Students

In order to encourage classroom participation, the use of the Alexa Echo and Qball microphone will be used throughout the day. This will help to promote active listening and practical social skills. It also allows for sharing and cooperation in an innovative way.

#### • Mobile Marine Touch Tank

\$10,408 | School: HS/MS/ES | Target: HS/MS Students (Oceanography, Marine Biology, Biology & Life Sciences)

The Touch Tank will enhance the districts Science and STEM programs as it provides the students the ability to experience in real-time a unique and diverse marine environment. The Touch tank is an interactive aquarium that consists of shallow water, sand and saltwater marine wildlife. Science classes within the HS, MS and Elementary schools are welcome to visit and can implement within their coursework.



Mobile Touch Tank

#### • GPS Units

\$1,093 | School: NPMS | Target: HS Students (Aerospace Engineering)

Students will gain real world experiences through this GPS technology. It allows for precise location data logging as it relates to time, longitude, latitude and altitude. This will allow for students to expand their knowledge of the world and apply data analytics.

#### • MS Wi-Fi Microscopes

\$7,683 | School: NPMS | Target: All MS Students

These digital Wi-Fi microscopes, which are compatible with iPads, allow students to collaboratively view the images from the microscopes, upload and save high-quality images and videos to their iPads for use in lab reports, data analysis, engineering design projects and other class assignments.



HoloLens

#### • Through the HoloLens

\$7,398 | School: NPMS | Target: HS Students

These mixed reality smartglasses will allow students to learn more holistically. Students will not be limited to observation only in the classroom, but instead they will direct their vision in 360 degrees across an entire space and in every direction. This environment will also aid visual learners through experiencing the material in the areas of agriculture, geography, math, chemistry, physics, medicine and STEM research.

#### • 3D Molecular Models

\$1,774 | School: NPMS | Target: HS Students (All levels of Biology, Chemistry, Oceanography & Marine Biology)

Three-dimensional molecular modeling kits will allow students to effectively model a variety of molecules and chemical reactions that relate to living organisms and their survival. These modeling kits create a more hands-on, concrete way for students to learn and discover microscopic scientific concepts.

#### • 3D Scanner

\$5,699 | School: NPMS | Target: All HS Students

This 3D scanner will further enhance the ability of students to take their ideas/designs and project them in the virtual world. It will provide students new avenues for expressing their creative and technical skills as well as their ability to acquire knowledge that is valued across various STEM/Art classes.

#### • Arduino Component Cars

\$2,042 | School: NPMS | Target: HS Students (Programming and Computer Science)

These programmable car materials will be utilized to enhance the students experience with real-world applications and the use of programming and engineering principles in the context of building a final functional project.

