



## NEW PROVIDENCE EDUCATION FOUNDATION Summary of Grants, 2018–2019

### \* Building Machines that Emulate Humans

\$4,560 | School: NPHS | Target: HS STEM Students

STEM equipment that will enable students to construct and program a robotic hand model. Students will gain insight into engineering behind prosthetic design.

### \* Cell Research Equipment

\$4,455 | School: NPHS | Target: Grades 9-12

New equipment that will assist students in the research of Microbiology and Genetics. This equipment will provide the ability to grow cells, reproductive microbes, and extract, isolate and reproduce DNA.

### \* Gas Spectrum Tubes for Chemistry-

\$2,690 | School: NPHS | Target: HS Chemistry Students

New Spectrum Tube Carousels and Gas Spectrum Tubes will allow students to conduct investigations and labs about electron configurations, energy, light and wavelength.

### \* Independent Libraries

\$2,000 | School: NPHS | Target: Grades 9-12

Each grade will add various titles of high-interest, complex and differential friction and nonfiction selections to each classroom.

### \* “A Clear Voice for Students”

\$1,647 | School: NPHS | Target: HS Video Production

A new set of six clip-on wireless microphone systems to be used for live multi-camera productions in the NPHS TV Studio.

### \* Spectrophotometers

\$1,020 | School: NPMS | Target: HS AP Chemistry Students

These Spectrophotometers will allow students the opportunity to conduct authentic quantitative research on content that is often learned about qualitatively.

### \* Google Expeditions: Virtual Learning

\$9,999 | School: NPHS & NPMS | Target: Grades 7-12

This Virtual Reality teaching tool lets teachers lead or join immersive virtual trips all over the world which gives and up-close look at historical landmarks, dive underwater with sharks and even outer space. Google Expeditions allows the teacher to act as a “guide” to lead classroom-sized groups of “explorers” through collections of 360 degree and 3D images while pointing out interesting sites and learning along the way.

### \* 3-D Printing in the HS/MS Media Center

\$1,439 | School: NPHS & NPMS | Target: Grades 7-12

This new printer will be available to all HS and MS Students. Students can have access to the printer as part of a school project, assignment or lesson.

### \* Taking Code to the Next Level of Innovation

\$6,588 | School: NPMS | Target: Grades 7-8

The STEM Department will update the MS Coding Mod course and introduce more rigorous, real-life and innovative coding application choices.

### \* Document Cameras

\$2,520 | School: NPMS | Target: Grades 7-8

These new Document cameras will allow students to display books that exist in the classroom, model the process of reading and/or writing by highlighting, model using post-it with texts and display student models

### \* Creating Refugee Shelters

\$2,385 | School: NPMS | Target: Grades 7-8

New equipment will help students in designing shelters through the iterative process. These new devices will allow engineering students to test and collect data on their initial designs and then redesign based on their analysis.



### 3-D Printing



### \* Friday Team

\$1,880 | School: NPMS | Target: Grades 7-8, Study Hall

Team Building program to promote teamwork, friendships, critical thinking and character education.

### \* Independent Libraries

\$1,000 | School: NPMS | Target: Grades 7-8

Each grade will add various titles of high-interest, fiction and nonfiction selections to each classroom.

### \* Moving with Mindfulness, Pathways to Build Attention & Wellness

\$2,500 | School: AWR | Target: Grades Pre-K – 6

Sensory-based movement to promote alertness and calming activities in the halls of AWR. Goal is to improve focus, social skills and a positive mindset throughout the day.

### \* Reading Rams Read

\$2,340 | School: AWR | Target: Grades K-6

Newly purchased books will help to enhance the libraries collections and will be used in a variety of ways to educate as well as encourage reluctant readers.

### \* Digital Learning in the 21st Century Classroom

\$2,135 | School: AWR | Target: Grade 1

With the use of additional iPads, cases and other related tools in the classroom, students will develop digital literacy skills and confidence in the classroom.

### \* Color Poster Printing System

\$4,450 | School: AWR | Target: Grades K-6

The eColor printer is a system that allows teachers to make documents on the computer using Google Docs or Microsoft Word, and then blow them up to poster-sized anchor charts. Will benefit many areas of learning such as Math, Reading and Language studies.

### \* Audio Assisted Accommodations

\$1,599 | School: AWR | Target: Grades 2-6

Newly purchased audio-books will be implemented for students with learning differences that require reading intervention. These audio-books will be used during guided-reading sessions for those students that qualify.

### \* Diversity in our Classroom Libraries

\$1,022 | School: AWR | Target: Grade 3

New books in the classroom will give students the access to new genres and formats. These new titles will be used in Reader’s Workshop, to read aloud and during independent reading time.

### \* Breakout Edu Boxes

\$1,000 | School: AWR | Target: Grades 6, LA & SS

Breakout boxes are a learning tool platform that teaches students teamwork, problem solving and critical thinking in a fun & exciting way.





### \* Stand up to Learn

\$2,194 | School: Salt Brook | Target: Grades K-6

Standing in the classroom helps to engage students. New stand-up desks and fidget bars are utilized as the goal to provide each classroom with different seating options for learning.

### \* Boogie Board eWriters & Protective Cases

\$1,875 | School: Salt Brook | Target: Special Education, Grades K-6

These new devices will allow special education students to actively engage in any lesson in a fun and easy way. This will also eliminate paper waste in the classroom.

### \* Digital Drawing and Writing Revisions

\$1,700 | School: Salt Brook | Target: Grades K-6

To be used with iPads, the Logitech Crayon for Education has precision and will be very helpful. This tool will help students boost their confidence and enhance their school-work.

### \* Social & Strategic Games

\$870 | School: AWR/Salt Brook | Target: Grades 4-6 (GT Students)

Carefully selected games are suited to enhance socialization skills while promoting critical thinking and problem solving.

### \* Flexible Seating

\$640 | School: Salt Brook | Target: Grades K-2

Special Education Students continue to be introduced to alternative seating options into the classroom. Hokki stools and sitting wedges will be utilized to promote better focus, memory and positive learning.

### \* Presenting with Puppet Power

\$450 | School: Salt Brook | Target: Grades K-4

Students will have the use of puppets to be used in video projects. This gives students the tool to present ideas and knowledge in a safe and protected way on the internet.

### \* Teaching Tubs

\$275 | School: Salt Brook | Target: LLD2 Students

Students in LLD2 will utilize tubs to be used on a regular basis to help them learn and blend vowel sounds. This will help improve reading, vocabulary, auditory processing and writing skills.



Logitech Crayon

### \* Engaging Students with Aeroponic Technology

\$5,232.22 | School: AWR/Salt Brook | Target: Grades K-6 STEM

Enhancements to the Tower Garden program for continued utilization of this food production tool. This helps expose students to new & innovative technology that can address global issues.

### \* Computational Literacy- The Next Step!

\$4,796 | School: AWR/Salt Brook | Target: Grades K-6 STEM

With the addition of the Root Robot, this will enhance the coding curriculum and will allow students to code in other ways. .



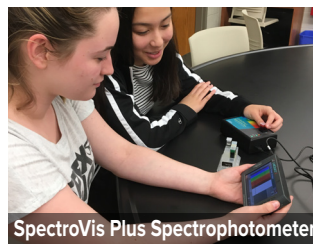
Document Camera



Google VR glasses



Diversity in the Classroom



SpectroVis Plus Spectrophotometer



New Providence

EDUCATION FOUNDATION

Every School. Every Subject. Every Student.

## What we do.

NPEF creates successful partnerships between the New Providence, NJ, 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.

## 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.
- 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.

## Who we are.

Eugene Castagna	President
Jenn Kowantz	Co-Vice President
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Denis Naughton	Co-Treasurer
Christopher Naughton	Co-Treasurer
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GRANTS FOR  
2018-2019

NPEF

Supporting Innovative  
Educational Programs  
That Empower  
Our Children



New Providence

EDUCATION FOUNDATION

Every School. Every Subject. Every Student.

