I am pleased to present the 2018 Annual Report. Throughout the year, we had great success supporting sustainable STEM education programs for students and teachers in the U.S. and abroad.

We celebrated the tenth year of our partnership with Space Camp; exciting and educating participants about the wonders of space exploration.

In addition, we continued our professional development programming for educators as we implemented the third cohort of the Teachers Academy and the second EarthEcho Expedition, which took place in Australia.

On behalf of the Northrop Grumman Foundation and our board of directors, thank you for your continued interest in our programs and initiatives.

Sandra Evers-Manly
President, Northrop Grumman Foundation

Foundation Overview
The Northrop Grumman Foundation is dedicated to increasing STEM education opportunities for students so they can fill future workforce needs for talented and diverse professionals. Our partnerships focus on engineering and technology-based initiatives that excite, engage and educate students and provide educational resources for teachers. With an emphasis on middle school and university level programs, students learn to defend cyber networks, engineer autonomous vehicles, explore space and more as they experience the excitement of STEM.

EarthEcho Expedition: PlasticSeas
The Northrop Grumman Foundation partnered with EarthEcho International for the second year of the Expedition series. During this professional development experience, twenty-five middle school teachers from Australia participated in a week-long expedition exploring the effects of plastic pollution and coastal development on Port Phillip Bay in Melbourne, Australia. In addition, teachers received the educational tools and resources necessary to share the enormity of plastics pollution to students and what they can do to prevent it from plaguing our oceans. “We need to find better solutions to combat the devastating impact plastic pollution is having on one of our most important resources - the ocean. This is about inspiring children to lead change by giving them tools and guidance along the way - because we can’t have lasting change without them,” said Philippe Cousteau, Jr., EarthEcho International founder and grandson of the legendary explorer Jacques Yves Cousteau. At the conclusion of the program, teachers collaborated to produce STEM curriculum and activities, based on the expeditions from the week, which are now available free of charge to any teacher worldwide.
Celebrating Ten Years of Space Camp

2018 marked our tenth year granting students and teachers scholarships to attend Space Camp. Space Camp helps inspire a greater appreciation and love of science through hands-on activities and experiences.

Throughout the week, students participated in astronaut training techniques, learned about space hardware, experienced a spaceflight mission and were exposed to aerospace career opportunities.

While at Space Camp, middle school teachers participated in Space Academy for Educators, a program designed to bridge the excitement of simulated space missions with real-world applications to help inspire their students in STEM.

“Space Academy for Educators was a once in a lifetime experience! The activities and mission were awesome and I can’t wait to share it all with my students.” - Margaret Chapin, King George Middle School

Since the beginning of our partnership, the Northrop Grumman Foundation has provided Space Camp scholarships to approximately 650 students and 300 teachers from 280 schools around the globe, including the United States, the United Kingdom, Australia and Japan. In addition, we recently embarked on supporting Space Camp for Interested Visually Impaired Students, which inspires and excites students with disabilities.
Foundation Giving Highlights

1,887 Grants Given

$13,323,968 Total Giving

Includes Matching Gifts

$8,295,095 K-12 Education

$3,674,872 Higher Education

$1,110,092 Matching Gifts

$1,354,000 for Education

Amount included in the break outs above

1,242 Matching Gifts Participants

854 Organizations Receiving Matching Gifts

Pledges Fulfilled:

- Air Force Association: CyberPatriot
- Association of Graduates, U.S. Military Academy: West Point Center for Leadership & Diversity in STEM
- California Polytechnic State University Foundation: Cybersecurity and Diversity 2.0
- Robotics Education and Competition Foundation: VEX Robotics Competition
- University of Maryland College Park Foundation: Advanced Cybersecurity Experience for Students (ACES)
- University of Maryland Baltimore County Foundation: Cyber Scholars
- University of Maryland Baltimore County Foundation: Baltimore City Schools Partnership
- U.S. Naval Academy Foundation: STEM Programs & Center for Cyber Security Studies

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