

2016-17 NEF INNOVATIVE GRANT WINNERS

Grant Winner	Grant Name	School(s)	Grant Description	Amount Awarded
Julie Papo	Science, Technology, Engineering and Math (STEM) for Kindergarten	Winchester	This project will allow students to begin using STEM learning centers such as problem solving STEM literacy kits where students build and construct. In addition to that, nonfiction science stories that go along with science-related topics, such as push and pull, attract and repel, gravity and density. The focus is for the students to begin to explore with concrete learning materials that are age appropriate.	\$451.48
Shannon Cullen, Nancy Smith, Dena Grantham, Whitney Cipriano & Karen Hopkins	Forensic Science Kits	Meads Mill & Hillside Middle Schools	Students will become detectives walking through six different activities to collect data and analyze the information in order to determine what happened. Students will be learning new vocabulary by making descriptions and observations.	\$996.00
Ann Marie Sadler & Jessica Harris	Enriching Earth History	Hillside Middle School	Students will learn about plate tectonics, weathering, erosion, fossils and the rock cycle. One focus is on the Law of Superposition. Using relative dating principles and the position of layers within rock, students are taught how it is possible to reconstruct the sequence of geologic events.	\$2,045.82
Ken Stark	Cup Stacking to Help With Reading & Math	Moraine Elementary	This project fits into State Physical Education GLCEs under manipulative and rhythmic activities. By cup stacking, students will practice sequencing and pattern which will help with students' reading and math skills as well.	\$599.98
Jennipher Reader, Karin Nelson, & Melissa Stendardo	Gel Electrophoresis & Micropipetting	Northville High School	Gel electrophoresis has become a common technique used in various college courses and in actual medical and research laboratories. By learning the biological principles underlying the CSI techniques and completing laboratory activities, students develop higher-order critical thinking skills and can correct misconceptions in a way that promotes knowledge retention.	\$2,979.58

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Stacey Eyer, Colleen Polydoros, & Nicole Karaboyas	Applying Science to Solve Real Life Mysteries	Hillside Middle School	This project meets Next Generation Science Standards while promoting the IB learner profile traits and MYP science criteria. Through engaging animated mysteries, vocabulary manipulatives, student driven labs, data collection, and engineering challenges, students will apply science knowledge.	\$2,920.00
Pamela Schulman	Mindful Moments	Silver Springs Elementary	The Mindful Moment project will enhance all students learning experiences. Students will provide a Mindful Moment on a daily basis that will assist them in reaching their full potential for learning. The few moments dedicated each day will assist students in learning to self regulate, find balance, calmness, and focus.	\$265.00
Reid Nicklaus	Art, Techonology & the Future	Moraine, Thornton Creek & Hillside	This project is for three specific uses for iPads in the art classroom for 2nd, 4th, and 5th graders. It will create an opportunity to interact with real-world creative technology, expand students' traditional art and provide ample exploration time. In second grade students will create and publish stories. In fourth grade students will learn various forms of photography. In fifth grade students will spend the year learning about contemporary careers in art, such as movie making and green screens.	\$2,874.00
Heather Zoldak, Kim Gall, & Debbie LaLonde	Learning Comes Alive	Ridge Wood Elementary	The Learning Alive program provides students with access to the advanced technology of augmented reality. The program is to help beginning and at-risk students improve their literacy and math skills so they can perform at grade level and master the basics to succeed in subsequent grades.	\$3,000.00

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Kurt Bartel	Leading the Way on Unicycles	Moraine Elementary	Physical activity gets the heart rate elevated. An activity that requires balance, muscle exertion and coordination can support positive academic outcomes. The endeavor of riding a unicycle requires grit, rigor and growth mindset. By learning to ride a unicycle, a student will be able to see the result of what is actually possible when they work hard at something.	\$2,920.00
Shea Eagle	Hands-on, Minds-on STEM Projects for Learning	Moraine Elementary	This project is for three "Breakout Boxes" edu kits. These consist of a series of nesting boxes and locks. Students must use critical thinking, problem-solving and interpersonal skills, as well as content knowledge in order to unlock each of the locks.	\$346.62
Hadley Brill	Seesaw and Devices for Personalized Student Learning	Hillside Middle School	This project is for the Seesaw Plus Teacher Subscription. Seesaw is a learning journal that can easily capture student learning in many forms: photos, videos, drawing, text notes, links, or any combination of these. Students upload work to their learning journal which can be viewed by teachers. Seesaw gives teachers a running record of student understanding and growth.	\$120.00
Teri Glotfelter, Lillian Knoth, Brittany Roesler, & Kate Sims	Hands-On Interactive Technology with OSMO	Ridge Wood Elementary	Provides four OSMO wonder kits. OSMO is a learner-led iPad game system that uses physical objects and learning tools in conjunction with iPad. It fosters student learning in key areas like social-emotional, creative thinking, STEM and common core.	\$580.00
Jessica Onkka & Holly Heath	Connectus Collaboration: "I want to give back to my community"	Cooke School	ConnectUS is a local nonprofit 501(c)3 that was started by a Cooke School graduate who has severe multiple impairments. ConnectUS engineers incredible adaptive technology to break down the steps of a process so that students can access each step and give to others in need.	\$2,585.17

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Cathy Shapero	Cortical Visual Impairment Activity Tray	Cooke School	Students with Cortical Visual Impairments require the use of specially lighted and musical materials that need to be accessible within 12 to 18 inches of their faces. This project provides a surface that is safe, adjustable and accessible for students with cortical visual impairments.	\$983.95
Kelly Johnson	Making Math Accessible & Relevant	Cooke School	The program covers geometry, algebra, data analysis, measurement, money and functional math concepts for students with cognitive and emotional impairments in grades eighth through post-secondary. It allows the teacher to have materials at their fingertips.	\$2,020.20
Lorie Farrow	Lights! Innovation! Action!	Cooke School	Students whom have visual impairments have affected ability to access material to learn. TickiT boards provide students with a surface that is visible with a bright illuminated background to be able to view the work they produce.	\$1,089.92
Nicole Leo Lane	Learning Through Lights	Cooke School	LightAide is a light-based learning tool. The 224 bright multicolored LED lights are cool to touch and safe for students' hands to explore. These lights can form shapes, letters, numbers or create movement patterns. It has activities to reinforce educational concepts related to math and English.	\$1,998.00
Kim Smith, Christine Lalinsky, Shannon Schafer, Kelly Johnson, Kristen Balcom, Kim Samsel, & Julie Rohrhoff	First Author Writing Curriculum	Cooke School	This program is a comprehensive classroom-tested writing curriculum for beginner writers. It was designed to provide instruction in both writing and speaking and listening that is grounded in early writing development.	\$998.82
Suzanne Plummer	Look To Learn	Cooke School	This is a program that provides a progression from early cause and effect activities to choice making. This software develops the eye gaze skills that are required for alternative communication, literacy development and computer access.	\$450.00
Total Awarded				\$30,224.54