

Grants Awarded 2017

Activities to Encourage the use of 21st Century Math Skills

Marilee Ward

Clara Byrd Baker Elementary School

• *Marcy Cook tiles will allow students to work at their individual skill levels and promote the mathematical process standards of critical thinking, problem solving, communicating, and collaboration.*

Hocus, Pocus, We CAN Focus

Amy Meister, Amelie Smucker

Rawls Byrd Elementary School

• *Multi-sensory “ fidget boxes” can improve the ability to regain calm, to focus and learn. They include sensory input and regulation for all five senses. Tools will include stress balls, wobble seats, Velcro scented pencils, pressure tools, and chewy necklaces.*

Modular Robotics with Cubelets

Kristy Haight

Rawls Byrd Elementary School

• *Cubelets and Legos will challenge students to create robots to perform specific tasks. Students will make predictions and record findings/observations in journals to connect literacy skills with computer science.*

Differentiated Lesson Kits for Newcomer ELLs

Shayna Walker

Rawls Byrd Elementary School

• *Newcomer English language learners need to learn “survival” English as well as “academic” English. 40 kits will pave the way for grade-level achievement, recognizing the need for differentiated materials based on each student’s language proficiency.*

Dream, Design, Develop: The 3D Solution to Student Engagement

Erin Elmore, Gia Chambers, Julie Singley

Rawls Byrd Elementary School

• *Elementary school students have increasing difficulty maintaining focus. They are able to navigate an iPad by age 3 but can also press the power button when a video or game is no longer interesting. A 3D printer will help spark new interest and compel participation.*

Read and Ride Classroom

Bob Keller

James River Elementary School

• *The classroom will have 6 exercise bikes that students can ride during their structured and independent reading time. The classroom will be adjacent to the library; teachers can schedule small groups to utilize the bikes.*

LEGO StoryStarters

Jonathan Nonnemacher

James River Elementary School

• *24 Lego StoryStarter kits for the library will provide a hands-on, creative way to illustrate students' stories as well as stories they hear in the media center. Who wouldn't love to set a scene with LEGOs, write a story about it, and use software to create a finished product?*

Strengthening Handwriting Through Fine Motor Take-Home Kits

Erin Poulter

Matoaka Elementary School

• *Fine Motor kits, consisting of engaging manipulatives, including snap beads, Play Doh, craft punches, and connecting links, along with plastic totes and task cards, will afford students the chance to build critical handwriting skills early in the first grade. The take-home nature provides a chance for teachers and parents to work together for student success.*

Challenge Tiles for Math Practice and Differentiation

Karen Little

Matoaka Elementary School

• *Marcy Cook math problem solving challenge tile cards focus on number sense and problem solving. Materials can be used individually or with a partner. Their multi-level format offers remediation, practice, and enrichment.*

K-5 Technology/Library Makerspace

Elizabeth Crispino, Maureen McFarland

Matoaka Elementary School

• *The computer teacher and librarian will develop learning units in a "makerspace" environment to provide students an opportunity to learn and apply skills in robotics, coding, circuitry, and cardboard engineering to solve problems and create new products.*

Tapping into Innovative Learning

Michele M. Potter

Norge Elementary School

• *Students with autism will use a Touch Board that is connected to a computer and allows a wall or white board to become an interactive learning station providing additional avenues of instruction engaging tactile, auditory, and visual stimulus.*

Manipulatives for Mini-Mathematicians

R. Evelyn Jessie

Stonehouse Elementary School

• *Hands-on learning through the use of*

*manipulatives clarifies math concepts.
Students take ownership of their own
box of manipulatives throughout the year
and pass it on to upcoming fourth graders the following year.*

Feed Their Minds

Kristin Froehlich
Stonehouse Elementary School

- *Weekly books will be added to Power Packs of food items for families needing food assistance over the weekends when children do not receive their meals at school. Age-appropriate books will be tracked and updated as students' reading abilities increase throughout the year.*

What Came First, the Chicken or the Egg?

Kimberley Hundley
Stonehouse Elementary

- *Kindergarten students will wear lab coats and become real scientists as they observe, record and communicate the life cycle of a chicken. They will incubate eggs in the classroom, watch them hatch, and care for the chickens until they find new homes.*

Community Based Instruction to Dreamcatchers

Sarah Tremblay, Sheree Reel, Robin Baker Stonehouse Elementary School

- *Special Education students in a self-contained classroom will participate in a therapeutic riding program for 10 weeks to increase gross and fine motor control and strength, communication skills, and the ability to follow directions.*

Ordinary People in Extraordinary Times

Anita Ellis, Rachel Moore
Hornsby Middle School

- *Students step into the past as investigative reporters to analyze the issues, perspectives, and impact of the Civil War, collaboratively producing a newspaper to demonstrate their learning.*

Design, Create, Collaborate - STEM Exploration with VEX IQ Robotics

Melissa Chai, Jaclyn Beck
Toano Middle School

- *Students will be exposed to multiple technologies, challenging them to develop and implement solutions to simulated real-world problems by constructing and operating robots. They will demonstrate work readiness skills by collaborating with a team, communicating ideas, displaying a positive work ethic, resolving conflicts appropriately, and utilizing time management skills.*

Creating in 3D

Kristin Cosby
Jamestown High School

• *Two 3D printers will help students construct three dimensional models that will aid in critical thinking skills, problem solving, creativity, and innovation in all areas of science: earth science, biology, chemistry, physics, anatomy, and oceanography.*

La Exploracion

Alisa Smith, Kimberly Holloway
Jamestown High School with Matoaka Elementary School

• *High School Spanish students will work with third grade students to expose them to Spanish language and culture. High School students will prepare, practice, and execute Spanish lessons with the use of Rockalingua, offering a wide range of Spanish cultural music, educational songs, and games. Students will write and illustrate a book that will be professionally published and available in schools and local libraries.*

Reading and Writing with Robots

Ashley Hurst, Amanda Morris (Snelling) Lafayette High School

• *By using Spheros (app-enabled robots) in the classroom, students will use basic coding skills to innovate, think critically, and problem-solve while programming their robots to recreate the characters and conflicts present in Lord of the Flies.*

The Virtuality Project

Monica Schaufler, Amy Wallisch
Lafayette High School

• *Virtual Reality is a state-of-the-art immersive technology that allows users to visit and explore environments that are otherwise inaccessible. Students will be able to check out VR viewers, allowing them the opportunity for personalized inquiry. Many free VR apps are available.*

Seeds for the Future: A Collaborative Public Sculpture

(Steven M. Constantino Innovative Learning Grant 2017)

Molly Peet
Lafayette High School

• *Students will gain first-hand experience designing and creating a collaborative ceramic sculpture using slab building techniques to build individual contributions to the larger sculpture. They will learn how to apply to be in a public exhibition as part of the Williamsburg Arts District contest.*