

**For the 2019-20 academic year, 38 proposals were received, for a total request of \$170,419. The FEF board approved full or partial funding for all proposals, resulting in \$116,737 in support to all schools.**

### **Falmouth High School Continuing Projects**

*Dionysia-* Daria Kasparian, with Jane Baker

Tenth year students read the Greek tragedy *Antigone* by Sophocles and learn about the Ancient Greek Festival of Dionysia. Students will compose their own original tragedies using elements defined by Aristotle and Shakespeare. They will visit the Museum of Fine Arts, see the exhibit of masks used in Greek tragedies, and then create in Jane Baker's art room the masks needed for their own tragedies.

*Liaison:* Gloria Borgese

*Exploring Evolution at the Harvard Museum of Natural History-* Heather Goodwin

Students will visit the Harvard Museum of Natural History to learn about evidence for evolution and will attend a workshop. This visit will culminate in the presentation of original student projects, created for younger students in the form of games, which will be exhibited at the annual Science Fair at the High School. *Liaison:* Gloria Borgese

*Farm to Table-*Nancy Fitzgerald with K. Jespersen, D. Ashe, S. Crocker, M. Zamora, K. Hackett

This project will add more plantings to the existing gardens, repair the shed, and expand greenhouse use to year-round. With the shed repaired and the school providing fencing, chickens can be raised. Produce harvested serves the Learning Center, culinary classes, and the school cafeteria. In addition to year-round supplies of herbs and crops, a garden mural is proposed for Art Honors students to create. This proposal continues the partnership with Falmouth Together We Can. *Liaison:* Phil Alatalo

*Rehearsal and Performance Techniques-* Kayla Peard

This past year's project focused the four high school ensembles on Improvisation and Non-Traditional Techniques. Moving forward, the grant will support 2-3 master class musicians per quarter presenting rehearsal techniques and ways to include musical expression in their playing. Students in all groups will have the opportunity to see different interpretations of the same piece(s) as every conductor thinks of music in a slightly different way. *Liaison:* Alan Jacobs

### **Falmouth High School New Projects**

*The Seedpod Study: Inspirations from Form, Texture, and Harmony-* Corine Adams

Ceramics students will study the relationship of seeds and seed pods to virtually all life on earth. They will create abstract sculptures inspired by seeds and seedpods, and using state of the art technology will also decorate a series of functional plates. They will collaborate with members of the

Botanical Club of Cape Cod & the Islands, who will join them on field trips for research and collecting: to the Harvard Natural History Museum and Harvard Arnold Arboretum, as well as to a local bog to observe that eco-system. *Liaison: Gloria Borgese*

*Falmouth High School Film Festival*- Chris Brothers with Department Heads for ELA, Social Studies, and World Languages

This project, a collaboration with the Woods Hole Film Festival, will bring "exceptional, independent filmmaker-produced films, relevant to the curriculum, into the school", along with filmmakers or speakers related to the films. Department heads will select topics that align with the state curriculum standards; Judy Laster of the WHFF will select films and contact filmmakers, and in cooperation with teachers and department heads, develop instructional activities. *Liaison: Ellen Barol*

*National Marine Science Educator's Association Conference* - Cheryl Milliken

As the only Marine Science teacher in the FPS, Cheryl will use the experience of spending five days with other Marine Science teachers from across the country to learn about new and innovative teaching techniques as well as to stay informed about current research in the field. *Liaison: Lynette Robinson*

*Shakespeare & Company Performance: Macbeth*- Sarah Cox, English Dept. Head with S.Abreu, E. Griffin, D. Kasparian, S. Morrison, D. Phipps

The English Department will host Lenox's Shakespeare & Company at the FHS auditorium to perform *Macbeth* for the entire 10<sup>th</sup> grade class. Students will have read the play in class and will experience a live performance; after, they will be able to ask questions and discuss the play and playwright with the actors and director in an interactive workshop. *Liaison: Phil Alatalo*

*Transcendartists - A Mindful Approach to Naturalist Studies* - Jane Baker

FHS Art and English students, as well as all Teaticket Elementary second grade students, will learn about the literary and artistic figures associated with the transcendentalist movement and the role of human presence in the natural world. Students will go on field trips to Beebe Woods and Peterson Farm, Teaticket Park, the Fruitlands, and the Peabody Essex Museum to gather and apply information for their creative writing, artwork and scientific notes. A mindfulness component will be added to help students connect even more with their natural surroundings. Students will work with a professional writer, a naturalist, and a yoga teacher. *Liaison: Alan Jacobs*

*Presenting Naturalists* - Jane Baker, with Lauren Kenny

Three times in the past 5 years, the applicants, with FEF grants (*Inspired by Agassiz*), have teamed up to take students into nature to create artwork and writing. With this grant, they will develop and share a presentation at the National Art Education Association and National Science Teachers Association conferences to demonstrate the steps and methods they use to take students into nature to access scientific information through their love of art and writing. *Liaison: Alan Jacobs*

## **Lawrence School Continuing Projects**

*Let's Shake, Measure, and Bake-* Barbara Blumberg

Research shows that special needs students benefit from direct instruction and repetition of skills to foster independence in functional life skills. In 2016, FEF funded this project to help students with significant challenges learn about nutrition while preparing easy and healthful meals. Students will read recipes, gather ingredients, measure, bake, and cook, and learn to use appliances. *Liaison: Pat Harcourt*

*Lawrence School Music Technology-* Andrew Fietek and Eileen Cahill

In 2012, with FEF funding, Lawrence School launched a new Music Technology curriculum and partially updated its music lab. In 2014, FEF funding helped complete the expansion by funding computers and electronic keyboards. This year's grant will purchase new generation hardware, so students will have the ability to seamlessly import video files into their projects, collaborate on their music in the cloud, record voice and instruments, and create music in more modern genres. *Liaison: Pat Harcourt*

*Bikes to Boards: Expanding Lawrence's Outdoor Adventure Program -* Bob Porto

This grant, which provides outdoor experiences for students outside the school day, has two parts. It includes expansion of the existing Bike To School/Bike Repair program by purchasing high demand items such as brake pads and tire tubes. Students may bring their bikes after school to learn about repair and eventually service their own bikes. Students can participate in organized rides or repair workshops after school. A new component, also designed to encourage healthy participation in outdoor activities, will be an after-school paddle boarding experience, including a lesson and a tour of local natural areas. *Liaison: Pat Harcourt*

*Bridge Program-* Tom Bushy, Principal

The Bridge Program helps students transitioning back to school from medical- or mental health-related absences. It was successfully implemented in 2018-2019 at Lawrence School. This grant will provide necessary funding for resources, such as books, a sound machine, and lighting, that will aid in the effectiveness of the program. These additions would help students cope with numerous stressors and/or hurdles that have proven detrimental to their ability to learn. *Liaison: Tom Lebach*

*8th Grade Shakespeare-* Liz Liles (with 8th grade ELA teachers)

Teachers reported they were "thrilled with the outcome of the previous year's grant, including

increases in student engagement and comprehension of the rigorous text." With this grant, they will bring Shakespeare & Company back to the school to perform *A Midsummer Night's Dream* and to work with students. Teachers will further develop the "Shakes-Off", a cross-team performance competition which will be judged by school faculty and staff, and they will schedule the competition so it can be attended by community people and parents. *Liaison: Tom Lebach*

*Full Steam Ahead-* Karyn Phares

This continuing grant will purchase 40 bats, which are plastic disks used to mount clay on a wheel. These supplies will allow the teacher to "pre-center" clay, providing more time for students to experience and discuss the STEAM principles at work, operate more independently, and increase productivity. *Liaison: Phil Alatalo*

### **Lawrence School New Projects**

*Coffee Business-* Erin Mello

Students in the Learning Center will practice vocational, academic, and social skills by starting a business making and delivering coffee to members of the school community. The teacher will track and measure progress toward achievement of individualized skills based on educational plan goals. *Liaison: Ellen Barol*

*Day of Poetry-* Krista Hennessy, with Natalie Galligan and Charlene Johnson

Students will participate in a day of poetry organized by Mass Poetry. Professional poets will conduct workshops for all 280 seventh graders. Students create their own poems and then compete in the popular school-wide Poetry Slam in the spring. *Liaison: Gloria Borgese*

*Lawrence Cafeteria Art Gallery and Sound Dampening,* Tiffany Van Mooy, with J. Harbison,

Currently only 20 student art projects can be viewed at one time in the cafeteria exhibit space; the goals of this project are to display every 7<sup>th</sup> and 8<sup>th</sup> grade student's work each trimester and to provide students experience in curating exhibits. An added benefit is noise reduction, using Netwell Panels. Judy Harbison's science class will measure sound levels before and after installation of the sound/display panels. *Liaison: Phil Alatalo*

### **Morse Pond New Projects**

*Google Viewers and Google Expeditions- Virtual Reality/ Augmented Reality-* Linda Lonergan

Virtual reality allows students to experience places and events that they may never have the opportunity to see. This project involves using Google Viewers and Google's various Expeditions to explore and learn in a virtual reality environment. Students and teachers have a current library of 234

experiences to choose from; many of these link directly to the state standards in social studies and science. *Liaison: Pat Harcourt*

### *Beyond the Bright Sea* – Elizabeth Abbott

All 6<sup>th</sup> graders will be introduced to Newbery Award winning author Lauren Wolk's *Beyond the Bright Sea*, which is set on Cuttyhunk and Penikese. Ms. Abbott says, "Many of our students have never heard of these islands, despite the fact that they are right off the coast of Woods Hole. Visiting the islands, students can actually walk the same paths and see the same sights as the characters in this amazing story". The grantee, with the 6<sup>th</sup> grade team teachers and the Penikese school, will develop standards-based multi-disciplinary curriculum units that will utilize the novel and the history and ecology of the islands. Lessons will be combined with a trip to Penikese and Cuttyhunk that will allow students to actively participate in their learning and increase their engagement with and comprehension of the text. *Liaison: Alan Jacobs*

### **North Falmouth Elementary Continuing Projects**

#### *Makerspace Expansion* – Kristin Bergeron

In the words of the grantee, "the addition of a Makerspace to the NFE library ... has created a 'making culture' and has provided a necessary outlet for students, fueling engagement, creativity and curiosity all at the same time. By giving the students an opportunity to take risks we empower them with the confidence to believe in themselves." *Liaison: Alan Jacobs*

### **North Falmouth Elementary New Projects**

#### *Improvising Art: An Ocean Mural and Student Exhibition* – Kathryn Sodaitis and Tim Adams

The partial funding of this grant will help support bringing artist Caleb Neelson to North Falmouth as an artist in residence. While at NF, Mr. Neelson will create a mural for the entry way to the school, share his creative process with students at an assembly and in drawing workshops, and incorporate their sketches into his mural. While he paints the murals, students will visit the artist with their class to observe and ask questions and afterwards transform their sketches into a 2D or 3D sea creature that will be displayed together in an all-school exhibition. *Liaison: Lynette Robinson*

### **Teaticket Elementary Continuing Projects**

#### *Watering and Weeding in the Kindergarten Labyrinth of Learning*- Lyn Van Etta , Stacey Boudrot

FEF has been a partner in developing the Labyrinth since it began several years ago. It is an outdoor learning space including areas for multi-sensory activities that align with all the content areas. This year's funding will be used to purchase drip hoses and mulch. There is collaboration with the U Mass Extension Service for Agriculture. *Liaison: Ellen Barol*

## **Teaticket Elementary New Projects**

*Get in the Zone: Self-Regulation Space for Students with Autism-* Lindsay Benson

Students in this Therapeutic Intervention Program (TIP) will be provided a distraction-free environment in which they can practice calming strategies in times of escalation ("Red Zone"). The privacy cube and hideaway would provide students with a distraction-free, private, enclosed area in which to engage in their calming strategies, while remaining fully visible to staff. *Liaison: Ellen Barol*

## **East Falmouth Elementary Continuing Projects**

*Making It Up: Expanding Our Library Makerspace* - Tara Draper

With the support of FEF, the East Falmouth Elementary School Library Makerspace has grown and is a constantly evolving area. The addition of materials such as the Harry Potter Coding Kit, Magna-tiles, and Osmo Detective Agency will provide opportunities to all East Falmouth students to develop innovative and collaborative skills that will serve them to be resourceful, independent, twenty-first century thinkers and learners. *Liaison: Pat Harcourt*

## **East Falmouth Elementary New Projects**

*Blasting Off With Boogie Boards-* Nicole Mele and Grade 4 Teachers

Blackboard Letter Boogie Board e-Writers allow students and teachers to collect and share their work electronically and to track and informally assess independent work. Students can edit and revise work, and teachers will have immediate formative assessments. This grant funds the purchase of the Boogie Board e-Writers for all grade 4 East Falmouth students. *Liaison: Joanne Holcomb*

*Updating an Old Classic-* Kathleen Karl and Grade 2 Teachers

Boogie Board e-Writers will engage all learners during math practice, problem solving, the writing process, and science and STEAM (Science, Technology, Engineering, Art, Mathematics) activities. Boogie Boards will enable students to explain their thinking in a fun, creative way. This grant will fund the purchase of Boogie Board e-Writers for all grade 2 East Falmouth students. This version differs from the Blackboard Boogie Board which uses a fine point stylus. *Liaison: Joanne Holcomb*

*Let's Read That Series!-* Tara Draper

Students love to read, through a whole series, the stories and adventures of characters they have gotten to know. Tara quotes Neil Gaiman, who writes about "the drive to know what happens next, to want to turn the page, the need to keep going, even if it's hard, because someone's in trouble and you have to know how it's going to turn out." This project supports the purchase of books in a series to sustain and further the interest of enthusiastic readers. The teacher will hold "Book Tastings" for

grades 2, 3, and 4, where they can sample a selection of the new series titles, circulate all the books around the table, and record their thoughts and opinion about the "menus." *Liaison: Gloria Borgese*

*Fun in the Community-* Abir Zaineh

The project's goal is to help students in this substantially separate program learn and practice identified social skills through literature, using grade-level core texts, and through aligned authentic experiences in the community. Examples of community activities are visits to the Woods Hole Aquarium and the main library, places that some of these students have never seen.

*Liaison: Ellen Barol*

*Crossing the Midline with BIG Art* – Anissa Graff K-4 Visual Art Teacher

With the use of a large loom and indoor/outdoor easel, students can engage in art that promotes increased opportunities for "crossing the midline" movements. When students are able to engage in movements that "cross their midline" the two brain hemispheres, left and right, can communicate with each other and increases bilateral coordination. Studies show that when students have opportunities to use both parts of the brain, they increase pathways to improved skills in many areas.

*Liaison: Tom Lebach*

### **Mullen Hall Elementary Continuing Projects**

*21st Century Classroom-* Jill Meserve

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A 21st century classroom is designed to create learning through collaboration and meeting the essential needs of all students. The seating being requested in this continuing grant will add to the flexible seating model which allows them to wobble, rock, bounce, lean, pedal, or stand in accordance with their learning styles. The addition of a motion desk, rock and roller foot rests for desks, and floor table supported by sensory cushions will allow students to choose where and how they work best.

*Liaison: Joanne Holcomb*

*Taking a Bite Out of the Makerspace-* Meghan Andersen

With materials purchased with this continuing grant, the Mullen Hall Makerspace will be expanded to include low tech and no tech tools to supplement the already existing materials. The addition of materials such as precision tool kits, Magna-tiles, and Osmo Detective Agency will provide opportunities to all Mullen Hall students to develop innovative and collaborative skills that will help them become resourceful, independent, twenty-first century thinkers and learners. *Liaison: Joanne*

*Holcomb*

### **Mullen Hall Elementary New Projects**

*Adapted Trade Books* – Ann Marie Iandoli Special Education Building Admin.

This grant will increase curricular access to students with disabilities and English Language Learners. Given visual supports and explicit instruction, students will be better able to respond to higher-level thinking questions and will have a greater understanding of curricular concepts. Special Education and English Language Development teachers will be able to use these visual supports to monitor progress toward student goals and objectives. *Liaison: Tom Lebach*

### **Cross-School Projects**

*After School Health and Wellness Programming-* Tracey Crago (Continuing)

This grant will focus on the 4th grade Girls Circle program updates, as well as additional enhancements to the after-school health and wellness programs for grades 5-6 and 7-8 (*Work It Out!* and *Be Fit, Be Well*). Included in the updates are opportunities for participants to meet 4th graders from other elementary schools as they all transition to a new school. *Liaison: Joanne Holcomb*

*Elementary Gym Curling Program-* Julie Williams-Tinkham K-12 PE/Health/Wellness Department Head, with Cape Cod Curling and the elementary PE Teachers (Continuing)

This grant will help support the continuation of the Falmouth Public Schools' elementary curling program, in which all students in the four elementary schools participate. One teacher described this as his favorite unit, as students' success doesn't depend on innate athletic ability or past experience. The program teaches basic curling skills, rules, and terminology and includes school-wide play-offs which lead to a district-wide "bonspiel." *Liaison: Tom Lebach*

*National Science Teachers Conference 2020* – Kristina Woods and 13 co-applicants from East Falmouth, Morse Pond, and Lawrence Schools (New)

This grant will support fourteen science teachers from three schools to attend the NSTA conference in Boston in April 2020. This is a rare professional development opportunity for a cadre of elementary and middle school science teachers to attend a national conference together to learn new technologies, techniques, tools, and lessons that they can integrate into their classroom as they continue to embrace the Next Generation Science Standards. After the conference, they will share their new knowledge at department and grade-level meetings. *Liaison: Lynette Robinson*

*Heart Rate Monitors-* Julie Williams-Tinkham, Health and PE Dept Head with all K-4 PE teachers (New)

The project's goals are to increase awareness of heart health and provide motivation for students to participate in more aerobic activities throughout their lives. OH1 Monitors provide an easy way to track and measure heart rate through various activities. *Liaison: Phil Alatalo*