

The WAYLAND PUBLIC SCHOOLS FOUNDATION hits the \$2million mark.....in Grants Funded to the Wayland Public Schools!! (\$2,085,008 for 587 innovative programs since 1983)

Thanks to the generosity of Wayland families and local businesses, the Wayland Public Schools Foundation (WPSF) recently awarded \$179,974 in 2011-2012 grants to the Wayland Public Schools. Since it's inception, the Foundation has awarded \$2,085,000 for 587 innovative grants! Every year, WAYLAND SCHOOLS and classrooms (K-12) are the recipients of teacher grant requests geared toward enriching the core curriculum, and the funding of technology and cutting-edge programs that would otherwise go unfunded. WPSF's grants are critically important to maintaining the tradition of excellence in Wayland!

The Foundation is grateful to our individual, family and local business donors; and our teachers, administrators and Wayland students are grateful TOO....

Here is a direct quote from Rachel Carroll, a Fine Arts teacher at Wayland High School, dated November 8th, 2011, after getting notification of her grant being awarded for ***Innovative Music Instruction***:

“I am honored that WPSF has awarded the grant for Innovative Music Instruction. Our students will greatly benefit from utilizing iPad technology in the classroom and practice room.

I am grateful for the generosity of the foundation and look forward to implementing the new technology in the courses”

The \$179,974 of grants awarded this year is broken into ten subject areas or domains:

\$69,028 to Technology
\$29,823 to Professional Development
\$20,115 to Math and Science
\$18,225 to Guidance & Special Education
\$14,085 to Fine Arts
\$8,354 to Social Studies
\$7,100 to World Language
\$6,994 to English Language Arts

\$5,500 to Facilities

\$750 to Physical Education and Wellness

The Wayland Public Schools Foundation is a parent volunteer organization dedicated to funding innovative educational resources at all five Wayland public schools. Since its inception in 1983, the WPSF has raised over \$2million dollars for 587 teacher grants. Foundation grants awarded are made possible through contributions directed to the Wayland Public Schools Foundation by Wayland residents and local businesses. The Foundation's ***Annual Appeal***, the annual ***Fall Party***, the annual ***Elementary School's Spelling Bee***, and the ***HATS OFF (Honor and Appreciate Teachers and Staff)*** program are the Foundation's primary fundraising campaigns and events! To help support innovation in the classrooms, please visit www.waylandpublicschoolsfoundation.org.

**Thank you to our High Honors Corporate Sponsors:
Middlesex Savings Bank, Whole Foods and Village Bank;
And our Honors Sponsors: Bosse Sports, Oak Hill
Architects, Susan Dearborn Interiors and Sudbury Farms for
their support of the Wayland Public Schools Foundation!**

2011-2012 Grant Summaries

Technology

21st Century Resources for 21st Century Students—Provides funding for a varied collection of ebooks for all school library media centers. The ebooks will be available to every student, parent and teacher 24 hours a day, 7 days a week, can be read on any type of device, and will enhance the schools' collections of print materials by making it easy to access both research materials and high-quality literature.

Dazzling the Digital Learner Through Interactivity—Adds interactive whiteboards, software and voting devices to seven classrooms in grades 1-3 at Claypit Hill School, expanding upon past successful WPSF grants in grades 4-5. The new technology helps teachers create differentiated, multi-modal lesson plans that will enhance student participation, collaboration, creativity and presentation skills.

Interactive Boards to Pave the Way for Differentiated, Engaging and Collaborative Learning—Adds interactive whiteboards, software and sound systems to five classrooms in grades 1-3 at Happy Hollow School, following last year's successful pilot in grades 3-5 funded by WPSF. Teachers will now be able to utilize and manipulate music, video, images, text and diagrams into daily lessons, which will increase student participation, collaboration, creativity and presentation skills.

Photography: A Year at Happy Hollow—Provides digital cameras that will enable up to 48 Happy Hollow 5th graders to learn the basic skills of photography so that they may record and communicate a year at the Happy Hollow School.

21st Century Tools to Engage Our Kindergartners—Provides projection-based technology for two Loker School classrooms and the school library to create an environment that will help maintain student interest and attention, while supporting differentiated instruction. Teachers will be able to project materials for the class to view more easily, and model lessons, such as writing mini-lessons and reading strategies, for all students to see.

There's an App for That!—Funds 20 iPads to engage kindergarten students and reinforce math, reading, writing, problem solving, dexterity, fine motor and other skills. This innovative technology will provide students with easy and instant access to a variety of learning applications relevant to all parts of the curriculum

iPads for teleprompter—Provides two iPads to be used as teleprompters in TV production classes at the high school. Students will benefit from learning to use the app for the iPad to write and prepare scripts and integrate them into the teleprompter and to read them off the teleprompter. Learning these new production skills will better prepare them for the reality of the broadcasting profession.

Integrating Core Standards with Key Social Competencies Through All-school Assembly Meetings—Funds a new electronic sound system to enable Happy Hollow School to expand and enhance school assembly meeting programming. New sound equipment will allow students to take a more active role in managing the technology supports for school meetings, as well as facilitate student and teacher participation in meeting content and presentation.

Maestro Project—Provides funding for the implementation of a collaborative story telling process in the journalism classes at the high school. Students contribute different types of stories using various types of media, centered on a unifying theme. Students will broaden their experience and skills using a MacBook Pro computer with advanced video and photo editing capabilities, digital SLR cameras and video cameras in this highly creative process.

Social Studies

Open Circle Literature Connections—Provides literature to support the Open Circle Curriculum for the kindergarten classes at Loker School. These books illuminate and reinforce the social skills concepts and help the kindergartners emotionally and intellectually engage with the material.

What's the Sense?—Funds a collection of “sensory toolboxes” for kindergarten classrooms at Loker School that will enable the students to regulate their nervous systems so they can adapt themselves to the classroom environment and maximize their potential for learning.

Lt. Col. Martin W. Joyce: Liberator of Dachau—Provides funding for technology and the consulting services of an expert in Information Sciences to organize, scan and publish the contents of a priceless historical collection of original documents found recently in the History Building, dating back to WWII, detailing the liberation of Dachau. The students will create a digitized archive webpage as well as a narrative account that tells the story of the Lt. Col. in charge of the liberation. In doing so, the students will learn how to handle, organize and analyze original documents from this crucial period in world history.

Facilities

Claypit Hill School Organic Garden Enhancements: fencing and drip irrigation system —Provides funding for the addition of fencing to protect the crops and a drip irrigation system to conserve water in the existing garden beds at Claypit Hill School. Since its inception, the Organic Garden has promoted the creation of a new curriculum across grades, including the addition of cafeteria food waste composting to support the health of the garden.

Professional Development

Ellin Keene Professional Development—Provides funding for Ellin Keene, a top expert in the field of reading instruction, who will provide professional development at grade levels K-8. This professional development will include model lessons, co-teaching, lesson discussion and question and answer sessions, helping all teachers to incorporate strategies that will allow their students to understand more deeply.

Professional Development 2011-2012—Provides funds for professional development for teachers at the Middle School, focusing on understanding the latest cognitive science, particularly in relation to memory, and using this knowledge to affect how teachers instruct students to help them better engage, remember, retain, retrieve and apply what they have learned.

Professional Development Resources for Science Teachers—Provides funding for print and digital resources for the science department's professional development library that fit into school-wide themes for professional development this year, focusing on memory, learning and what it means to understand.

Fine Arts

Bringing Eco Art to the Wayland Schools—Provides funding to bring local Eco Artists working with recycled media to Happy Hollow, Claypit Hill and the Middle School for a week-long residency. Students will learn about this new art movement and how it fits into the larger Green Revolution movement. The students will be inspired to use recycled items and found objects to create works of art.

Innovative Music Instruction—Provides ten iPads for use in the high school music classrooms, which will allow students to explore the many musical applications available only on iPads. The technology will enhance current curriculum by enabling students to create projects such as MP3 recordings, HD quality movies, practice music theory and write compositions.

Fiddle/Jazz String Workshop with Darol Anger—Provides funding to bring guest artist Darol Anger, a renowned Jazz violinist, fiddler, composer and musical educator, to the Middle School to work with string students. Students will benefit from the introduction of new techniques, as they learn about this alternative style of music for their string instruments, further increasing their appreciation of and experience with jazz and fiddle style playing. The project will culminate in an evening performance by the string students, led by Mr. Anger for the enjoyment of the greater Wayland community.

Display materials at the High School—Provides funding for artistic and design material to used in art exhibits at the high school, improving the quality of the displays and adding visual interest.

Digital SLR Camera—Provides funding for the purchase of a Digital SLR camera, which will provide art students access to a professional grade camera with exceptional image quality and will introduce relevant digital skills into the classroom.

Inner Rhythm—Provides funding for new precision mallets, drum sticks and beaters for the WHS Band, Orchestra and Jazz Percussion. Students will benefit from the use of state-of-the-art equipment, which will promote better technique, greatly enhancing the sound of the ensemble as a whole.

Math and Science

Solar Electric Demonstration Station—Provides funding for a small scale, solar demonstration station at the Middle School. Students will witness the transformation of energy from sunlight into electrical energy and gain a deeper understanding of solar applications, including the benefits and limitations of this form of renewable energy.

iPad 2 Intro to Algebra 2—Provides iPads and accessories for an introductory algebra class at the high school. This multimodality approach to teaching will benefit the students in the class, who have a variety of learning disabilities and many of whom have little to no technology background. The iPads will greatly enhance the ability of these students through interactive learning while increasing their technological knowledge.

Video Camera Use in the High School Physics Program—Provides funding for video cameras for use in the high school Physics classrooms. Students will videotape objects in motion and then analyze the videos with a computer program, allowing them to make and plot instantaneous measurements of position, velocity and acceleration. This will enable students to witness a direct application of the laws of motion and dynamics, giving them a more complete understanding of these complex concepts.

City Lab visits WHS—Provides funding for the Boston University School of Medicine's CityLab Mobile Lab to visit the high school, allowing students to participate in hands-on DNA technology labs. CityLab will allow students to learn about the practical applications of DNA technology in the real world.

English Language Arts

Dystopian Literature: Exploring Justice in Chaos—Provides funding for classroom sets of seven new dystopian novels. Due to the nature of this genre of literature, this distinct unit of study in eighth grade ELA classes will enhance students' ability to unlock meaning through abstract thinking, while strengthening reading and writing skills.

A Midsummer Night's Dream production from Shakespeare Now!—Provides funding to bring a live production of A Midsummer Night's Dream to Grade 9 in the high school. The production will enhance the student's understanding of the play, which they will be reading concurrently, by bringing the text to life and helping them appreciate the language and the relevance of Shakespeare in our own time.

Poetry Slam—Provides funding to support Poetry Slam during Winter Week. The 'Slam' will be open to all high school students and will expose them to the power and beauty of Spoken Word poetry while enhancing the delivery of the poetry curriculum to all ELA classes.

Physical Education and Wellness

Building on Balance: Increasing Unicycles for Student Use—Provides funding to purchase additional unicycles and spare parts for the Unicycle Club at the Middle School. These additional funds build upon the success of a previous grant from several years ago which allowed the creation of this popular club. The unicycles provide a great opportunity for students to exercise, develop cardiovascular endurance, core and leg muscle strength and coordination—all while having fun!

Guidance

Development and Implementation of High School Advisory Program—Provides funding to establish an Advisory Program at the High School. The Advisory will consist of small groups of students, facilitated by an advisor, who meet frequently to discuss teen issues, improve communication skills, and will allow each student to feel connected to an adult on the high school campus. The Advisory concept has been proven to be a vehicle for strengthening school culture, improving relationships, building respect, and enriching the educational experience for all students.

Rachel's Challenge/BATHE—Provides funding to bring the Rachel's Challenge Program to Wayland High School. Rachel's Challenge, an organization based around the ideals of Rachel Scott, a student killed in the Columbine shootings, promotes kindness and acceptance in school cultures. BATHE, a WHS organization formed to promote respect among students and improve teacher-student relationships, will work with Rachel's Challenge to make the high school a safer place. The funds will provide an all-school workshop, followed by additional training for 100 students and an additional presentation for parents in the community.

World Language

Chinese Enrichment Introduction Program—Funds the creation of an introductory Chinese Enrichment Program at the high school. The program will expand students' linguistic and cultural horizons by exposing them to one of the world's "critical languages". The program is open to all high school students and will expose them to elements of Chinese language, culture and history.

Encoding Station for Language Lab—Adds a digital encoding station to convert the World Language Department's library of audio and visual teaching materials to a digitized format, making them compatible with the new language laboratory in the new Wayland High School. Many of the currently used teaching materials, which have been carefully accumulated over many years, cannot be purchased in digital format. Conversion of the materials will also allow them to be posted to a server, greatly increasing access for students and staff.