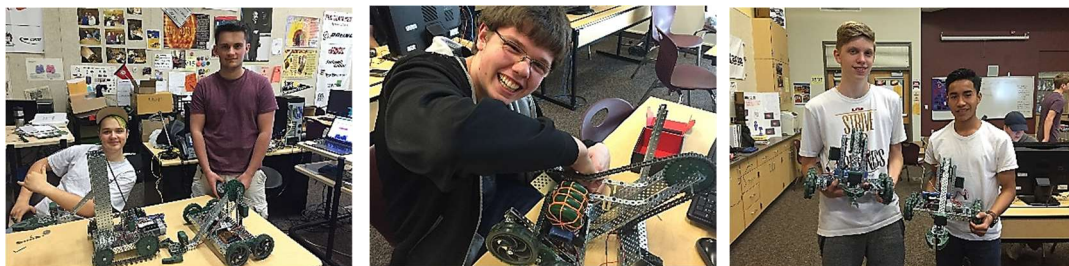


2015-2016 School Year - Innovative Grant Winners

Robotics for All - An Integrated Approach ~ Sponsored in full by Western Precision Products, Inc.



Tualatin High School - Jill Hubbard. The purchase of 5 VEX robotics kits enabling a robotics course to be offered at Tualatin High School. This will allow a cross-section of the

student body to participate during school, not just those able to partake in an after school activity. In this multi-disciplinary (STEM) course students learn applied math, science, and engineering concepts using technology. Science principals such as torque, friction, momentum, velocity, speed, math concepts, 2D and 3D modeling, and ratios are all part of the curriculum. Program goals are for a pair of students to design, build, program, and test a robot to meet specific challenges to gain not only hands-on design experience, but also build teamwork and communication skills. Another goal is to recruit non-traditional students to the classroom, allowing students from any background to participate in and experience robotics

Music Production & Composition Studio ~ Partial Sponsors: Julie & Matt Popma, Wytek Controls, Inc.



Tigard High School – Matt Steinmetz. The purchase of equipment to allow modern students the chance to explore their gifts in the field of music. Mac desktop computers, a digital mixer, and an audio interface will allow students to explore the real world music skills of composition, production, recording, editing, etc., that are in demand in the present music industry. The goal of this program is to prepare students for modern careers and/or post-secondary study in

today's music-related fields such as; audio engineering, sound production, music producing, composition, and scoring for film and video games. The program will contribute to the greater academic culture of Tigard High School by creating promotional videos, producing audio-visual for student auditions, recording/mixing live musical events, and collaborating with visual arts, photography, and technology classes.

TTSD Books on Wheels ~ Partial Sponsor: Mr. & Mrs. Michael Schoonmaker



Tualatin High School – Andrew Bonica. Help to support literacy development and engagement with the most at risk populations within our district. TTSD on Wheels is a teacher created and run community literacy and outreach project. The goal of this program is to help establish libraries in the homes of the members of our community from the lowest socioeconomic background. Teacher and staff will volunteer to bring books and school supplies into targeted neighborhoods within our district. Those who are interested, can select books from the library and take them home to keep forever. The program is designed to help build relationships with families and students most often underserved, and to promote an active

involvement with literacy to support lifelong academic achievement of those impacted by this program.

Whispersync: Immersion Reading ~ Partial Sponsor: Brown & Brown Northwest Insurance



Fowler Middle School – Jill Flores. The purchase of updated Kindle Fire equipment to provide for a full classroom set. The new equipment will keep students reading for enjoyment as well as instruction, will provide a way for struggling readers and English learners to access engaging stories through books synced to professional narrations, and will improve the reading skills of all students. Currently the Kindle Fire library at

this school consists of over 300 titles and 80 audio books for students to use, and updated equipment was needed to continue to be able to use these resources. Whispersync software will enhance reading skills by highlighting words in chunks as they are being read on the Audible Audiobook. As a result, readers see, hear, and touch the text at the same time allowing for improved attention and concentration. Strong reading skills are an important key to being a successful learner, and this program will help all students to become better overall readers.

Samba Music Experience – Artist-In-Residence – Durham Elementary- Marc Silverman



Support of a new music experience teaching the Brazilian Samba. This includes support for an Artist-In-Residence teacher, and also funding to purchase new musical instruments needed to enhance the program. Students will learn Samba drumming, marching, history, culture, singing, and dancing. With the acquisition of 120 Samba instruments, students will be actively engaged in his or her learning. A significant benefit of this style of music is that ALL students are able to take part, regardless of skill level. Music teacher Marc Silverman will gain valuable experience learning to teach the Samba for years to come. The purpose of bringing Samba to Durham is twofold, students will take part in a unique learning experience in music for years to come, and it will also establish a tradition of Samba for students to look forward to in the 4th and 5th grades.

Stability Balls for the Classroom - Hazelbrook Middle School – Jennifer Uber



By replacing classroom chairs with stability balls in a learning support classroom, studies have shown that it improves learning through movement, especially for students with ADD/ADHD. The stability balls have also been shown to promote active sitting, improve posture, increase blood flow to the brain and body, strengthen core and back muscles, and improve balance and coordination. With students struggling to maintain focus and often disrupting

class, the stability balls will allow for “fidgeting” which help children with ADHD to concentrate, and just a little movement on the stability balls can meet their demands for expelling excess energy. The hope is to increase levels of attention in struggling learners, decrease levels of hyperactivity, and to increase time on task. All of which lead to a better overall learning environment for those in need.

Digital Demonstrations – Twality Middle School – Erin Rabidoux



The purchase of special equipment to record Ceramic & Sculpture demonstrations, and to provide students with an accurate and detailed art demonstration repeatedly. The demonstration can be displayed in real-time allowing the teacher to show a true representation of art, without blurring as hand strokes are completed, and reflecting appropriate colors as shown in the original art work. The demonstration can be shown repeatedly in the classroom, or online, for those students that are absent or need extra explanation and time on various art assignments. While students are watching the demonstration, it will allow the art teacher to move

throughout the classroom and help and/or redirect students as needed. This will be a valuable tool for the teacher, allowing for live art creations/demonstrations to be projected for the full classroom to view, and then saving the demonstration for reference again for those students in need.