

## Fall 2016 Classroom Grants

### Growing 365 with Tower Garden Technology (\$3,348.25)

Kara Benson (Boone Meadow Elementary)

All kindergarten through fourth grade students will be growing produce aeroponically during the school year. As they grow their own food, they will learn a variety of twenty-first century skills, acquire new knowledge, and develop a taste for healthy food and healthy living.

### Intervention Is the Key to Success (\$2,986.60)

Amanda Rush (Boone Meadow Elementary)

This grant will be used to purchase the *Fountas and Pinnell Leveled Literacy Intervention Green System* which will provide teachers in grades kindergarten through second, as well as literacy and special education teachers, with small-group supplementary intervention materials to bring struggling readers and writers to grade-level competency.

### Harmony Director (\$3,547.00)

Jim Crismore (Zionsville West Middle School) and Ashley Etzhorn (Zionsville Middle School)

The Harmony Director combines piano/metronome ability, tuning/pitch demonstration, and transposition keys. The tuning/pitch function allows the director to develop ear training for students with Pure vs. Equal temperament on chords within the music. This software and hardware will align the middle school orchestra curriculum with that of the high school.

### ZEF Innovation Lab (\$2,368.00)

Cathy Sutton (Zionsville West Middle School)

A makerspace is a place where individuals gather to learn through creating, tinkering and inventing using various tools and materials. This project will enable students and teachers to move into more intense driven, design thinking experiences developing an innovator mindset.

### Save the Sea Birds (\$1,300.00)

Emily Zucker (Union Elementary)

This problem-based engineering learning project is set in the context of the Gulf Oil Spill and uses the design process, scientific inquiry and the science of energy. Students need to create transportation that ensures no more oil spills will occur. Clean solar power, energy, forces and motion converge to Save the Sea Birds.

### Moving to Learn (\$5,400.00)

Deb Torrance (Stonegate), Garrett Stephens (Boone Meadow), Caroline McIntire (Eagle), Angie Fritz (Union) and Laurie Wanser (Pleasant View) – All Elementary Schools

The FitStep Pro Pedometers will allow students to track their steps and activity level throughout the day in an effort to achieve 60 minutes with at least 30 minutes designated as Moderate to Vigorous Physical Activity (MVPA). This project will require students to set goals, collect and analyze data, draw conclusions and adjust daily behaviors.

Tower Gardens (\$3,353.55)

Ryan LaPlante (Stonegate Elementary)

Zionsville Community Schools recognizes the importance of nutrition and its influence in establishing lifelong healthy habits. The Tower Gardens will enable each grade level to participate in the growing of vegetables, graphing produce, investigating alternative methods of farming as well as collaboration, critical thinking and research.

ZCHS Greenhouse (\$5,295.00)

Adelpha Twyman (Zionsville Community High School)

A need was uncovered as ZCHS senior, Katherine Hamori, investigated organic plant health and crop growth. Her experiment was hampered by an uncontrolled environmental situation, jeopardizing the validity of results and exposing a greater need for all AP Biology, AP Chemistry and Environmental Sciences and Genetics classes. Securing a greenhouse at ZCHS will allow students to conduct botanical scientific experiments in a controlled environment.

Bone Clones in Anthropology (\$2,994.65)

Amanda Harmon (Zionsville Community High School)

Students in ZCHS Anthropology classes will participate in hands-on archaeological dig simulations and investigate replica fossil remains. Anthropology is a new class at ZCHS, attracting 180 students to enroll. The stone tools and skull replicas will allow students to participate in fieldwork exercises and sharpen their research and critical thinking skills.

Production Junction: Where Creativity and Technology Meet (\$4,924.37)

Liz Overberg (Zionsville Community High School)

This grant provides innovative updates to the Zionsville Community High School's Media Center production lab, including a new digital recording studio, a green screen video recording station, a 3D printer, maker equipment and dozens of software applications that allow students to learn, create, innovate, experiment and problem solve.

Total Grants Awarded: \$35,517.42