**Innovative Teacher Mini-Grant: Awarded Grant Abstract Examples**

**Teacher:** Dan Welch  **Amount:** $5,000

School: Campbell Elementary & Middle School – Campbell City School District

Population: 151 students Grades: 2-3

Goal Area: 3rd Grade Reading

Overview: Music teachers, in collaboration with classroom teachers, will implement an innovative instrumental music program utilizing a revolutionary instrument designed for young learners. The “pBuzz” will increase reading proficiency and preparedness, while building foundational music skills.

**Teacher:** Sarah Lowe **Amount:** $5,000

School: Beaver Local Middle School – Beaver Local Schools

Population: 240 students Grades: 5-8

Goal Area: 8th Grade Math

Overview: Innovation is promoted as students integrate multimedia, engineering, art, etc. to extend learning opportunities to a higher depth of knowledge across the curriculum. Students will increase their modeling and literacy skills, as well as problem solving ability by incorporating STEM and hands-on activities into each learning experience.

**Teacher:** Tracy Archuleta **Amount:** $5,000

School: Jefferson Senior High School – Jefferson Local Schools

Population: 200 students Grades: 9-12

Goal Area: Postsecondary/Career Readiness

Overview: Teachers will create a makerspace to bolster project-based learning and the use of technology across the curriculum. This will allow students to explore academic content visually using technology and will integrate aspects of design thinking and playfulness into a broader curriculum, providing for free exploration and application.

**Teacher:** Jill Redmond **Amount:** $4,986.83

School: McGuffey PK-8 – Warren City Schools

Population: 30 students Grades: 5-8

Goal Area: Postsecondary/Career Readiness

Overview: “McGuffey Explores Wellness” is an innovative after school program exposing students to fitness and wellness careers. Students will experience a variety of hands on opportunities both in the school and community. The goal is to expose students to careers in fitness and nutrition which will make them health productive workers.

**Teacher:** Marian Mihas **Amount:** $4,999.76

School: Jefferson & Lincoln PK-8 – Warren City Schools

Population: 340 students Grades: PK-8

Goal Area: Postsecondary/Career Readiness

Overview: “The Power of Music to Build a Bridge: Collaborative Concerts Unite Schools and Community” is a program where two ukulele orchestras from Jefferson and Lincoln Schools combine forces and spread their joy of making music by playing, singing and acting in concerts for schools and in their community.

**Teacher:** Fran Compton **Amount:** $4,994.68

School: Willard PK-8 – Warren City Schools

Population: 100 students Grades: 1

Goal Area: 3rd Grade Reading Proficiency

Overview: Literacy, Language, Laboratories is a project that will assist first graders in gaining a better understanding of science through hands-on, minds-on activities. Understanding of concepts will be achieved through reading and writing tasks that pertain to topic. Family engagement and participation will promote success for all first graders.

**Teacher:** Stephanie Greathouse **Amount:** $5,000

School: Rayen Early College Intermediate School – Youngstown City Schools

Population: 390 students Grades: 4-8

Goal Area: 8th Grade Math Proficiency – Postsecondary/Career Readiness

Overview: While designing building and programming Mars Roverbots, students will be engaging in problem solving activities using STEM skills. Using the engineering design process, the students will apply essential skills that include measuring, calculating formulas, and rations, designing CAD drawings, building 3D prototypes, coding, collaboration and problem solving.

**Teacher:** Sarah Lowe **Amount:** $5,000

School: Beaver Local Middle School – Beaver Local Schools

Population: 1800 students Grades: K-12

Goal Area: 8th Grade Math Proficiency

Overview: Project iCreate is designed to engage students in mathematics while developing critical thinking skills through STEM. Students will have the opportunity to approach mathematics through a hands-on relevant learning experience that is tied to STEM.

**Teacher:** Linda Holler **Amount:** $2,000

School: Saint John School – Ashtabula/Catholic Diocese

Population: 278 students Grades: K-8

Goal Area: 3rd Grade Reading Readiness

Overview: “Weather or Not” is an initiative for students to become participants in the Global Learning and Observations to Benefit the Environment (GLOBE) Program. The GLOBE Program enables students to engage in a collaborative, scientific exploration of the world around them, collaborating with students and teachers around the world.

**Teacher:** Michelle Rhodes **Amount:** $3,372.00

School: Beaver Local Elementary and High School – Beaver Local Schools

Population: 172 students Grades: 2, 9-11

Goal Area: 3rd Grade Reading Proficiency

Overview: This program will promote reading skills for students in grade 2 with Spanish I students at the high school. Teachers will build their classroom libraries with bilingual and English children’s picture books. Students will practice reading aloud and then share their book with their cross-grade partner(s).

**Teacher:** Jordan Moxley **Amount:** $2,000.00

School: Maplewood High School – Maplewood Local Schools

Population: 98 students Grades: 10-12

Goal Area: Postsecondary/Career Readiness

Overview: After studying local history, students will develop imagery, in mural form, that will illustrate that history and create this in the medium of stained glass. The project will be a collaborative effort between visual and industrial arts along with the local community.

**Teacher:** Mark Robinson **Amount:** $2,000.00

School: Youngstown Early College – Youngstown City Schools

Population: 56 students Grades: 9

Goal Area: Postsecondary/Career Readiness

Overview: Using computerized infant care simulators, students will take complete responsibility for an infant for a week and record their experiences as a single parent. Students will experience being a teen parent faced with the complexities of trying to support themselves and a child while trying to finish school.

**Teacher:** Stephanie Greathouse **Amount:** $2,000.00

School: Chaney STEM & VPA – Youngstown City Schools

Population: 600 students Grades: 6-12

Goal Area: 8th Grade Math Proficiency

Overview: Coding and Creating Inventions with Math and 21st Century Technology is a problem based invention project. Students will ask, imagine, plan, create, improve and communicate as they attempt to solve real problems by using 3D printers, Laser Cutters, CorelDraw design software and programmable Arduino electronic circuits.

**Teacher:** Eugene Mach II **Amount: $**5,000.00

School: Warren G. Harding High Schools – Warren City Schools

Population: 300 students Grades: 9-12

Goal Area: Postsecondary/Careen Readiness

Overview: This effort will implement an ongoing, cross-curricular and self-sustaining manufacturing project in order to teach students real world business, engineering, and manufacturing skills. The project will purchase a 2’x4’ CNC router kit that will be used collaboratively with business, wood shop, engineering classes and the robotics team.

**Teacher:** Heather Eich **Amount:** $2,653.96

School: McGuffey PK-8 – Warren City Schools

Population: 100 students Grades: 1

Goal Area: 3rd Grade Reading Proficiency

Overview: Students will have hands-on interactive opportunities to experience a variety of habitats, including the ocean, using water tables in the classroom. Students will be reading and writing about the ocean as well as exploring the ocean in centers. A culminating activity for this unit will be a field trip to the Greater Cleveland Aquarium.

**Teacher:** Kelly Fussner **Amount:** $820.45

School: Rayen Early College Middle School – Youngstown City Schools

Population: 78 students Grades: 5

Goal Area: Middle Grade Math Proficiency

Overview: The Aquaponics Indoor Gardening System is an incredible resource for students to combine math proficiency with scientific inquiry. Students will collect data on photosynthetic activity, measure plant growth incorporating operations with decimals and percentages, and analyze food production practice estimation techniques.

**Teacher:** Stephanie Gilligan **Amount:** $700

School: McGuffey PK-8 – Warren City Schools

Population: 20 students Grades: Preschool

Goal Area: Kindergarten Readiness

Overview: Incorporating dramatic play outside, through the use of an outdoor mud kitchen, will allow students to extend their oral language development and social emotional learning beyond the classroom while having fun interacting with their peers and learning through exploration.

**Teacher:** Tim Harker  **Amount:** $5,000

School: Glenwood Junior High – Boardman Schools

Population: 60 students Grades: 6-8

Goal Area: Postsecondary/Career Readiness

Overview: This project will raise global awareness around one of the UN Sustainable Goals and its impact on a foreign country. Our students will connect with students in the same age range in Thailand to learn about the impact of a Sustainable Goal and to help raise the empathy level of our students.

**Teacher:** Carole Goffus **Amount:** $1,560.00

School: Willard PK-8 – Warren City Schools

Population: 18 students Grades: 3-4

Goal Area: Early Grade Reading Proficiency

Overview: The Branches Program is designed to help students who have been retained due to the Ohio Third Grade Reading Guarantee. Branches Leaders (6th-8th graders) will be trained to help their Branches buddies through fun reading, taking turns reading, reinforcing phonics, asking questions, modeling listening and being positive role models.

**Teacher:** Amy Gordiejew  **Amount:** $1,996.15

School: Taft Elementary – Youngstown City Schools

Population: 18 Grades: K-4

Goal Area: Early Grade Reading Proficiency

Overview: Sing, Spell, Read & Write relies heavily on music to teach alphabetic principles, phonemic awareness, sound/letter correspondence and short vowel sounds in a fun way. The project focuses this resource on our English Learner population, particularly the influx of students impacted by Hurricane Maria and coming from Puerto Rico.