

Mid-Valley  
**STEM-CTE HUB**



# MICROGRANTS

## SECOND ROUND REPORT



2020 - 2021

# Introduction

The Mid-Valley STEM-CTE Hub recently awarded their second round of Educator and Community-Based Organizations microgrants. With ample evidence that COVID-19 is widening the existing systemic education and inequality gaps, our aim is to partner with educators and local non-profits to develop projects that reduce barriers and support students. Through this support, students will gain more access to meaningful science, technology, engineering, math (STEM), and career and technical education (CTE) opportunities. A total of \$88,881 was awarded to fund a total of thirty-three equity-focused, STEM-CTE related projects or initiatives

## EDUCATOR AWARDS (\$19,789)

- Student Online News Website - Michelle Balmeo, West Albany High School
- Forensic Chemistry Project - Michelle Cahill, Philomath High School
- Health Occupations CTE Class - Donna Carter, Philomath High School
- Hands-On STEM Projects - Cindy Drouhard on behalf of all Greater Albany Public School (GAPS) 7th & 8th Grade Science Teachers
- Food Truck Project - Maria Guerrero, Central Linn School District
- Art Supplies - Babette Grunwald, West Albany High School
- SnoLab Field Trip - Lindsay Haggas, Sweet Home High School
- Culinary CTE Projects - Jacqueline Kahler, West Albany High School
- WAHS Preschool - Shea Looper, West Albany High School
- Hands-On CTE Workshops - Douglas Meyer, Linn-Benton Community College
- South Albany Do It For the Culture Program - Duece Phaly, South Albany High School
- K-2 STEM Program - Audrey Richards, Sand Ridge Charter School
- Personal Finance Podcast - Joey Running, West Albany High School
- Robotics Club - Aaron Shown, Scio High School
- Culinary CTE Projects - Dolly Skiles-Victorine, West Albany High School
- Makerspace STEM Kits - Josh Stauber, Harrisburg High School

## COMMUNITY-BASED ORGANIZATION AWARDS (\$69,092)

- Albany Exploration Zone (STEM Saturdays) - Albany Parks & Recreation Department, Albany
- Grant and Scholarship Management Software to Support Equitable Opportunities for Albany Students - Albany Public School Foundation, Albany
- Pinewood Derby Project - Boys & Girls Clubs of the Greater Santiam
- Hybrid / Virtual Outdoor School for 2021 - Calapooia Watershed Council, Brownsville
- Library of Things Collection - Corvallis Public Library, Corvallis
- DSW in a Box Kits - OSU Discovering the Scientist Within (DSW), Corvallis
- STEM Library of Things - Lebanon Public Library, Lebanon
- CTE Signing Day - Linn-Benton Community College, Albany
- K-12 Outreach - LBCC Space Exploration Team (SET), Albany
- Growing Leaders Early Learning Center - Mid-Willamette YMCA, Albany
- Advancing Youth's Agricultural Sciences Literacy through SEL Integration: Skills Hinge On Teachers (SEL SHOT) - OSU Pre-College Programs, Corvallis
- STEM Academy Summer Camp - STEM Academy at OSU, Corvallis
- STEAM Career Exploration project - Thuggy Bear Cares, Albany
- Lebanon HealthCareer Ladder - Western Health Sciences COMP-Northwest, Lebanon
- Rainbow Dance Theatre Workshops - Western Oregon University, Monmouth

# Educator Awards

**Microgrants totaling \$19,789 were awarded to the following educators:**

## **Student News Online Website – Michelle Balmeo, West Albany High School**

### **Project & Award:**

Awarded \$400 to provide financial support for a student online news website, The Whirlwind.

### **Project Impact:**

Students learn the basics of journalism gain a worthwhile real-world work experience right in the high school classroom.

## **Forensic Chemistry Project – Michelle Cahill, Philomath High School**

### **Project & Award:**

Awarded \$150 to purchase Forensic class supplies for hands-on activities, ie, fingerprint and blood analysis.

### **Project Impact:**

This project allows students hands-on experiences with the curriculum.

## **Health Occupations CTE Class - Donna Carter, Philomath High School**

### **Project & Award:**

Awarded \$530 to purchase professional blood pressure kits with stethoscopes and touchless medical thermometers.

### **Project Impact:**

Students will be able to practice and learn hands-on skills that apply directly to the healthcare realm.

## **Hands-On STEM Projects - Cindy Drouhard (GAPS) 7th & 8th Grade Science Teachers**

### **Project & Award:**

Awarded \$7214.56 to purchase supplies for STEM projects for 7th grade (Geology) & 8th grade (Space) students.

### **Project Impact:**

This project will impact 716 7th-grade & 735 8th-grade students by providing a hands-on inquiry-based STEM experience.

## **Food Truck Project - Maria Guerrero, Central Linn School District**

### **Project & Award:**

Awarded \$500 to purchase supplies for teaching a unit on food trucks in a Modern Latin Cultures class.

### **Project Impact:**

Students will learn team-building, problem-solving skills, create a startup business plan, supply list, and menu for their food truck.

## **Art Supplies - Babette Grunwald, West Albany High School**

### **Project & Award:**

Awarded \$1000 for art supplies during Hybrid (students spend 2 days a week at school and 2 days at home learning from a distance).

### **Project Impact:**

This funding allows all students to be able to participate fully in art projects during hybrid and distance learning education.

# Educator Awards continued...

## **SnoLab Field Trip - Lindsay Haggas, Sweet Home High School**

### **Project & Award:**

Awarded \$1000 for students to design and build their own set of skis or a snowboard at Santiam Sno Lab at Hoodoo Ski Area.

### **Project Impact:**

12 students will gain an incredibly rewarding hands-on experience designing their own skis/snowboard.

## **Culinary CTE Projects - Jacqueline Kahler, West Albany High School**

### **Project & Award:**

Awarded \$1000 to provide ingredients for creating meals & materials to transport them.

### **Project Impact:**

This project allows students in three-week rotations to try out the hospitality and culinary industry to help them decide on a CTE pathway.

## **WAHS Preschool - Shea Looper, West Albany High School**

### **Project & Award:**

Awarded \$1000 for the purchase of STEM supplies and materials for the WAHS preschool program.

### **Project Impact:**

This project provides a lab experience for about 120 Child Development students to gain work experience with preschool children.

## **Hands-On CTE Workshops - Douglas Meyer, Linn-Benton Community College**

### **Project & Award:**

Awarded \$1000 to develop a scalable and transferable CTE-style mechanical/electrical hands-on curriculum using a generator.

### **Project Impact:**

This project will support hands-on learning for students interested in learning mechanical/electrical repair skills.

## **South Albany Do It For the Culture Program - Duece Phaly, South Albany High School**

### **Project & Award:**

Awarded \$1000 to purchase GoPro cameras and accessories.

### **Project Impact:**

Students will be able to learn how to operate a GoPro camera along with editing videos with computer software.

## **K-2 STEM Program - Audrey Richards, Sand Ridge Charter School**

### **Project & Award:**

Awarded \$1000 to purchase STEM supplies for elementary school classrooms.

### **Project Impact:**

These funds will ensure that all students have access to STEM learning and activities, not just the ones that can afford extracurricular opportunities.

# Educator Awards continued...

## **Personal Finance Podcast - Joey Running, West Albany High School**

### **Project & Award:**

Awarded \$994 to purchase podcast equipment, books, and other supplies for students.

### **Project Impact:**

The basic understanding of one's personal finances is the foundation for students to become responsible adult citizens.

## **Robotics Club - Aaron Shown, Scio High School**

### **Project & Award:**

Awarded \$1000 to robotics equipment for classes that would serve anywhere from 20-150 students.

### **Project Impact:**

This is a rural school and this project will provide crucial hands-on STEM education experiences for students.

## **Culinary CTE Projects - Dolly Skiles-Victorine, West Albany High School**

### **Project & Award:**

Awarded \$1000 for culinary supplies for the classroom labs when students return to school.

### **Project Impact:**

This project will have a great impact as online culinary projects do not have the same impact as in-person hands-on activities.

## **Makerspace STEM Kits - Josh Stauber, Harrisburg High School**

### **Project & Award:**

Awarded \$1000 to purchase supplies for three mobile makerspace carts.

### **Project Impact:**

All of our students would have access to the materials on these carts to create more hands-on opportunities and increase inquiry and engagement in the classroom.



# Community-Based Organizations (CBO) Awards

Microgrants totaling \$69,092 were awarded to the following organizations:

## **Albany Exploration Zone – Albany Parks & Recreation Department, Albany**

### **Project & Award:**

Awarded \$5000 to purchase supplies for after-school STEM programming for youth Pre-K through 8th grade.

### **Project Impact:**

By providing exciting materials, positive adult staff, and opportunities to collaborate with peers, we can impact the youth in our programs in numerous beneficial ways!

## **Grant/Scholarship Management Software – Albany Public School Foundation, Albany**

### **Project & Award:**

Awarded \$2500 to purchase software to support equitable opportunities for Albany students.

### **Project Impact:**

All GAPS schools are eligible to apply for APSF grants (many of them with a STEM focus) which impact over 9300 students.

## **Pinewood Derby Project - Boys & Girls Clubs of the Greater Santiam**

### **Project & Award:**

Awarded \$5000 to bring Pinewood Derby to the Boys & Girls Clubs of the Greater Santiam to serve all of East Linn County.

### **Project Impact:**

Youth will be able to get hands-on experience using tools all while learning about the science behind the race car! This project will also engage families at a greater level.

## **Hybrid / Virtual Outdoor School for 2021 – Calapooia Watershed Council, Brownsville**

### **Project & Award:**

Awarded \$5000 to bring on a Ph.D. student to help assist with the implementation of a Hybrid/Virtual Outdoor School.

### **Project Impact:**

Including this student in the planning and delivery of ODS will provide a richer scientific engagement as well as a safer, overall experience for students.

## **Library of Things Collection - Corvallis Public Library, Corvallis**

### **Project & Award:**

Awarded \$4500 to put together family-friendly STEM kits and nature backpacks

### **Project Impact:**

We expect to send out 350 STEM kits each month during the summer and place 10 nature backpacks into circulation for families in Benton County.

## **DSW in a Box Kits – Discovering the Scientist Within (DSW), Corvallis**

### **Project & Award:**

Awarded \$5000 to purchase 84 “DSW in a Box” kits to be mailed to participating girls.

### **Project Impact:**

Seeing and interacting with positive women role models in STEM can have lasting impacts on girls, especially those in middle school.

# CBO Awards continued...

## **STEM Library of Things - Lebanon Public Library, Lebanon**

### **Project & Award:**

Awarded \$4112 for the purchase of 54 STEAM kits to expand their STEM Library of Things.

### **Project Impact:**

These STEAM kits will have a lasting impact on our young patrons and their families, making them better, more engaged students.

## **CTE Signing Day - Linn-Benton Community College, Albany**

### **Project & Award:**

Awarded \$5000 to support an event honoring incoming students who register in one of ten CTE programs at LBCC.

### **Project Impact:**

Students are guaranteed entry into their chosen CTE program and given additional support in navigating the admissions process.

## **K-12 Outreach - LBCC Space Exploration Team (SET), Albany**

### **Project & Award:**

Awarded \$5000 to hire LBCC students to do community and educational outreach.

### **Project Impact:**

Two LBCC SET Student Ambassadors will gain work experience creating STEM activities for young K-12 students.

## **Growing Leaders Early Learning Center – Mid-Willamette YMCA, Albany**

### **Project & Award:**

Awarded \$5000 to purchase supplies and activities to provide STEM programmatic experiences and learning opportunities for Pre-K students.

### **Project Impact:**

This project offers a diverse curriculum with a wide variety of stimulating STEM activities that are engaging and educational.

## **Advancing Youth's Agricultural Sciences Literacy through SEL Integration (SEL SHOT) - OSU Pre-College Programs, Corvallis**

### **Project & Award:**

Awarded \$5000 to provide educators with Social & Emotional Learning professional development.

### **Project Impact:**

Students better prepared and supported by their educators can further develop a sense of belonging, reflect on identity, and show agency in the STEM enterprise.

## **STEM Academy at OSU, Corvallis**

### **Project & Award:**

Awarded \$4980 to subsidize the cost of summer camp participation for youth from low-income families impacted by the COVID-19 health crisis.

### **Project Impact:**

These funds will allow approximately 31 youth to have a summer STEM camp opportunity.

# CBO Awards continued...

## **STEAM Career Exploration project - Thuggy Bear Cares, Albany**

### **Project & Award:**

Awarded \$5000 to provide a Career & Technical Education aviation program for youth

### **Project Impact:**

Ten students will participate in 26 hours of classroom and lab time, 6 hours of preflight training, and 6 hours of inflight training.

## **Lebanon HealthCareer Ladder - Western Health Sciences COMP-Northwest, Lebanon**

### **Project & Award:**

Awarded \$3000 to support the Lebanon Health career ladder program.

### **Project Impact:**

This project impacts over 100 youth from 6th-12th grade and their parents in Health and Science Educational opportunities at COMP-Northwest campus in Lebanon.

## **Rainbow Dance Theatre Workshops - Western Oregon University, Monmouth**

### **Project & Award:**

Awarded \$5000 to provide 4th-8th grade students in Code Can Dance and Drone Dancing activities.

### **Project Impact:**

If able to provide in-person workshops, at least 150 4th-8th-grade students will experience the workshops.