

Mid-Valley  
**STEM-CTE HUB**



# MICROGRANTS

## THIRD ROUND REPORT



2020 - 2021

# Introduction

The Mid-Valley STEM-CTE Hub recently awarded their third 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 \$90,592.98 was awarded to fund a total of forty equity-focused, STEM-CTE related projects or initiatives.

## **EDUCATOR AWARDS (\$16,953.98)**

- Force Motion Unit – Emily Barker, Centennial Elementary (Scio School District)
- GLAD Units in Science – Scott Golden and Amanda Tate, Centennial Elementary (Scio School District)
- STEM Challenges – Jamie Griffin, Centennial Elementary (Scio School District)
- CTE Pathways Support – Babette Grunwald, West Albany High School
- Santiam SnoLab – Lindsey Haggis, Sweet Home High School
- Wooden Pen Project – Ricky Hall, West Albany High School
- Electricity Unit – Dominique Hunter, Centennial Elementary (Scio School District)
- Maker Stations – Jennifer James, Stacy McAllister, Katrina McSorley, Megan Traeger from Centennial Elementary (Scio School District)
- Lab Safety Equipment – Niki Kuykendall, Scio Middle School
- STEM Units of Study – Michelle LeFeber, Centennial Elementary (Scio School District)
- Preschool STEM Toys – Shea Looper, West Albany High School
- Kitchen Supplies – Amanda Miles, South Albany High School
- Health Occupations Teaching Tools – Molly Morse, West Albany High School
- Rocketry Summer Program – Sarah Peterson, Sweet Home Junior High
- Makey Makey Kits – Ruby Reeder, Centennial Elementary (Scio School District)
- Business Leadership Startup Project – Joey Running, West Albany High School
- Preschool STEM Toys – Julie Serna, Crescent Valley High School (Corvallis School District)
- Marketing Video Project – Morgan Wadlow, West Albany High School

## **COMMUNITY-BASED ORGANIZATION AWARDS (\$73,639)**

- Camp Albany – Albany Parks & Recreation, Albany
- Hot Rod Kids – Better Kids Club, Albany
- Electric Vehicle Project – Electrathon America, Albany
- Launch Academy – Innovation X (OSU), Corvallis
- Positive Youth Development Activities – Jackson Street Youth Services, Albany
- Orientation to Computer Science Course (CS 160) – Linn-Benton Community College, Albany
- Rock Creek Camp – Marys River Watershed Council, Corvallis
- The Growing Garden – Mid-Willamette YMCA, Albany
- Campus Field Trips – Discovering the Scientist Within (OSU Precollege Programs), Corvallis
- Beyond Technical Skills: Harnessing the Power of Relationships in Career Education – OSU Precollege Programs & Food Science and Technology Extension, Corvallis
- iNVENT Summer Camps – iNVENT (OSU Precollege Programs), Corvallis
- SEL Integration: Skills Hinge On Teachers (The SEL SHOT) – OSU Precollege Programs, Corvallis
- STEM Kits – Philomath Youth Activities Club, Philomath
- Code Can Dance – Rainbow Dance Theatre, Monmouth
- Mobile Maker Van Supplies – Silicon Box, Corvallis
- STEAM Summer Camp – Silverleaf School, Salem
- Linn-Benton Salmon Watch – South Santiam Watershed Council, Sweet Home

# Educator Awards

Microgrants totaling \$16,953.98 were awarded to the following educators:

## **Force Motion Unit – Emily Barker, Centennial Elementary (Scio School District)**

### **Project & Award:**

Awarded \$400 to purchase supplies so students can perform friction experiments.

### **Project Impact:**

This will give students a hands-on experience to practice designing an experiment and testing different variables.

## **GLAD Units in Science – Scott Golden & Amanda Tate, Centennial Elementary (Scio School District)**

### **Project & Award:**

Awarded \$1630 to purchase equipment to support activities in the GLAD curriculum.

### **Project Impact:**

Having more hands-on materials for the students will allow teachers to have a greater impact on their learning process.

## **STEM Challenges – Jamie Griffin, Centennial Elementary (Scio School District)**

### **Project & Award:**

Awarded \$700 to purchase materials to implement STEM hands-on learning challenges.

### **Project Impact:**

This will impact approximately 50-60 students & will encourage creativity, problem-solving, and collaboration with their peers.

## **CTE Pathways Support – West Albany High School**

### **Project & Award:**

Awarded \$3000 to purchase ipads, pencils, charging stations, and cases for their CTE department.

### **Project Impact:**

Equipment will be used in all CTE programs (art, business, digital media, computer science, engineering, health occupations, culinary arts, performing arts, woods, and early child education).

## **Santiam SnoLab – Lindsey Haggis, Sweet Home High School**

### **Project & Award:**

Awarded \$850 for students to design and build their own set of skis or a snowboard at Santiam Sno Lab at Hoodoo Ski Area.

### **Project Impact:**

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

## **Wooden Pen Project – Ricky Hall, West Albany High School**

### **Project & Award:**

Awarded \$600 to purchase supplies so all freshman students can build a wooden pen.

### **Project Impact:**

This funding will provide enough pen kits for approximately 230 students.

# Educator Awards continued...

## **Electricity Unit – Dominique Hunter, Centennial Elementary (Scio School District)**

### **Project & Award:**

Awarded \$603.50 to purchase supplies so students can learn about electricity and energy transfer.

### **Project Impact:**

This project will allow 40-60 fourth-grade students from two classes to learn about electricity in a hands-on project.

## **Maker Stations – Jennifer James, Stacy McAllister, Katrina McSorley, Megan Traeger from Centennial Elementary (Scio School District)**

### **Project & Award:**

Awarded \$1125 to purchase open-ended STEM supplies for classroom maker stations.

### **Project Impact:**

100% of students will have access and will include 100 K-1st grade students.

## **Lab Safety Equipment – Niki Kuykendall, Scio Middle School**

### **Project & Award:**

Awarded \$770 to purchase updated science lab equipment.

### **Project Impact:**

Safety is increased for all 120 students by using hot plates instead of Bunsen burners and the sanitizing goggles means I can ensure safety for every class.

## **STEM Units of Study – Michelle LeFeber, Centennial Elementary (Scio School District)**

### **Project & Award:**

Awarded \$700 to purchase a STEM Units of Study supplies bundle.

### **Project Impact:**

This project will affect approximately 50 students in their school (2nd grade).

## **Preschool STEM Toys – Shea Looper, West Albany High School**

### **Project & Award:**

Awarded \$930 to purchase STEM supplies & materials for the WAHS Preschool.

### **Project Impact:**

Funds will provide additional STEM toys for our Preschool. The preschool will serve both community children (ages 3-5), and students as they plan and teach preschool lessons

## **Kitchen Supplies – Amanda Miles, South Albany High School**

### **Project & Award:**

Awarded \$600 to purchase kitchen stools for the culinary classroom kitchen.

### **Project Impact:**

It will allow 120 students a sturdy, comfortable seat to do their classwork. They will also match the new prep tables and really help set up the space for Culinary Arts.

# Educator Awards continued...

## **Health Occupations Teaching Tools – Molly Morse, West Albany High School**

### **Project & Award:**

Awarded \$940 to purchase a brain model and Human Anatomy Lab software.

### **Project Impact:**

This project will impact approximately 75-100 students each term.

## **Rocketry Summer Program – Sarah Peterson, Sweet Home Junior High**

### **Project & Award:**

Awarded \$840 to purchase rocket kits for 50 students.

### **Project Impact:**

The hope is that 50 students will participate in this unit of rocketry over the summer program.

## **Makey Makey Kits – Ruby Reeder, Centennial Elementary (Scio School District)**

### **Project & Award:**

Awarded \$900 for the purchase of a classroom set of Makey Makeys.

### **Project Impact:**

This project will impact 4th-grade students at the school. Shared between our two classes, that is 50-60 kids each year.

## **Business Leadership Startup Project – Joey Running, West Albany High School**

### **Project & Award:**

Awarded \$660 to purchase supplies to launch a start-up business.

### **Project Impact:**

Students will use vinyl stencils to create custom signs for sale to experience a business start-up from the idea, development, launching, and reflection/analyzing.

## **Preschool STEM Toys – Julie Serna, Crescent Valley High (Corvallis School District)**

### **Project & Award:**

Awarded \$870 to expand STEM resources, toys, activities for CV's on-site preschool.

### **Project Impact:**

Recognizing the importance of early exposure to STEM, having this money will facilitate our program to purchase STEM-based manipulatives.

## **Marketing Video Project – Morgan Wadlow, West Albany High School**

### **Project & Award:**

Awarded \$809 to purchase GoPro Hero9 camera bundles, GoPro remotes, and 3-Way stands.

### **Project Impact:**

These cameras will be available for use by approximately 200 students in multiple classrooms, and for multiple purposes.

# Community-Based Organizations (CBO) Awards

Microgrants totaling \$73,639 were awarded to the following organizations:

## Camp Albany – Albany Parks & Recreation, Albany

### Project & Award:

Awarded \$4250 to purchase 14 Chromebooks, a storage cart, and more STEM activity materials.

### Project Impact:

We will offer 610 day-camp spaces throughout this summer. Our staff will facilitate activities that are hands-on, employ multiple different skills, and are fun.

## Hot Rod Kids – Better Kids Club, Albany

### Project & Award:

Awarded \$4750 to purchase equipment (go-kart, engine, Pyro Tek safety gear, and funding for participation at the race track events).

### Project Impact:

Participants will learn mechanical skills, basic driving skills, culture diversity, teamwork, goal setting, and career development.

## Electric Vehicle Project – Electrathon America, Albany

### Project & Award:

Awarded \$4650 to hire OSU interns to provide assistance in building the basic skills needed to start working on electric vehicles.

### Project Impact:

Students gain real-world experience designing and building simple electric vehicles which provide enough knowledge and confidence to delve into other vehicle types.

## Launch Academy – Innovation X (OSU), Corvallis

### Project & Award:

Awarded \$4500 to provide funding support for their Launch Academy student STEM business incubator.

### Project Impact:

This project will introduce 75 students to entrepreneurial opportunities on campus and engage them in additional programming specifically designed for them.

## Positive Youth Development Activities – Jackson Street Youth Services, Albany

### Project & Award:

Awarded \$4000 for outdoor education and regional field trips including costs of fees, rental equipment, and transportation.

### Project Impact:

We estimate at least 15 youth from Linn and Benton counties will have unique STEM and/or CTE experiences with this funding support.

## Orientation to Computer Science Course (CS 160) – Linn-Benton Community College, Albany

### Project & Award:

Awarded \$3600 to provide professional development for K12 instructors to teach CS 160 at the high school level.

### Project Impact:

We currently have interest from Albany HS's and Philomath HS to implement next year with approximately 60 students.

# CBO Awards continued...

## **Rock Creek Camp – Marys River Watershed Council, Corvallis**

### **Project & Award:**

Awarded \$3485 to partner with Corvallis Parks & Recreation to teach watershed concepts to campers.

### **Project Impact:**

Rock Creek Summer Camp will benefit 50 campers ages 8-14 participating weekly (150 students total).

## **The Growing Garden – Mid-Willamette YMCA, Albany**

### **Project & Award:**

Awarded \$4700 to support “The Growing Garden,” hands-on outdoor science education and gardening opportunity for preschoolers.

### **Project Impact:**

Nearly 100 children attend the Growing Leaders Early Learning Center. Each of them will benefit from the opportunity to extend their learning outside. Their families will reap the benefits from a productive garden!

## **Campus Field Trips – Discovering the Scientist Within (OSU Precollege Programs), Corvallis**

### **Project & Award:**

Awarded \$4250 to expand the impact of DSW created activities to another OSU Precollege Program – Campus Field Trips (CFT).

### **Project Impact:**

These hands-on activities provide short but impactful experiential learning opportunities.

## **Beyond Technical Skills – OSU Precollege Programs & Food Science and Technology Extension, Corvallis**

### **Project & Award:**

Awarded \$4650 to develop an educational storytelling video.

### **Project Impact:**

Our educational video will be available to educators and could indirectly benefit 20,000 students.

## **iINVENT Summer Camps – iINVENT (OSU Precollege Programs), Corvallis**

### **Project & Award:**

Awarded \$3930 to provide introductory invention experiences focused on skills related to the invention toolkit.

### **Project Impact:**

This project will provide one week-long iINVENT summer camp for 20 Linn-Benton students from an underserved rural community for a total of 600 contact hours.

## **SEL Integration: Skills Hinge On Teachers (The SEL SHOT) – OSU Precollege Programs, Corvallis**

### **Project & Award:**

Awarded \$4750 to provide free professional development for educators.

### **Project Impact:**

This project will reach approximately 800 formal and nonformal PreK-12 educators per year throughout Oregon, as well as, indirectly benefiting over 40,000 students per year.

# CBO Awards continued...

## **STEM Kits – Philomath Youth Activities Club, Philomath**

### **Project & Award:**

Awarded \$4624 to fund the cost of hands-on STEM kits.

### **Project Impact:**

Our goal is to use these kits as a hands-on STEM project each week during the summer. This means 30 children will participate weekly in the projects, for 11 weeks.

## **Code Can Dance – Rainbow Dance Theatre, Monmouth**

### **Project & Award:**

Awarded \$4000 to fund a STEAM integration program incorporating coding and hip hop dance.

### **Project Impact:**

Approximately 2,500 students in the Mid-Valley STEM-CTE region will have access to CoderDojo Hip Hop sessions over the 2021-22 academic year.

## **Mobile Maker Van Supplies – Silicon Box, Corvallis**

### **Project & Award:**

Awarded \$5000 to fund the purchase of a Canvas Tent, Trailer, and generator.

### **Project Impact:**

Students in rural areas including Monroe, Alsea, Kings Valley, Lebanon, and Sweet Home will get hands-on opportunities to work with new technology. The goal is to reach 100- 500 students in these areas.

## **STEAM Summer Camp – Silverleaf School, Salem**

### **Project & Award:**

Awarded \$2500 to fund supplies for a summer camp and before and after school STEAM Exploration programs.

### **Project Impact:**

We currently serve 15 students in our year-round school. This funding allows us to expand our enrollment to 20 students in grades 1-8.

## **Linn-Benton Salmon Watch – South Santiam Watershed Council, Sweet Home**

### **Project & Award:**

Awarded \$4000 to fund a Volunteer Coordinator for the Linn Benton Salmon Watch Program.

### **Project Impact:**

Each Salmon Watch program year equals 2,000 hours of inquiry-based student STEM learning for nearly 1600 students.