



Teacher Newsletter - October 20, 2022

Lebanon Family Math and Science Night

Thank you, Amanda Sater, from Seven Oak Middle School in Lebanon, for including us in your Family Math and Science Night. A big congratulations is also in order, as Amanda was recently named the *Oregon Agriculture in the Classroom Educator of the Year*, from the nationwide program: Agriculture in the Classroom. Way to go, Amanda!

SMILE staff and partners who ran activities at the Lebanon Family Math and Science Night (FMSN) event included, Jay Well, AJ Mallozzi, and members of the LaCuKnoS Team: Cory Buxton, Karla Hale, and Felisha Dake. We had a blast in Lebanon and look forward to this evening's FMSN at Highland Elementary School, in our newest SMILE Community: Grants Pass!

Photos - *Left:* Amanda Sater, holding her Oregon Ag Educator of the Year award!
Right: A family enjoying the VR sets provided by our partners at DIVE4Ag during FMSN.

Contact Becca if
you have any
FMSN questions:
[rebecca.harver@
oregonstate.edu](mailto:rebecca.harver@oregonstate.edu)



See the next page for important incentive and event dates!

Upcoming Incentives and Important Dates

Fall Incentives:

70% of clubs have registered members, with an average of 18 members per club!

These numbers are fantastic, great job! Teachers are encouraged to continue registering members and logging meetings, so you can receive incentives for your efforts. Here's a reminder of upcoming incentives:

SMILE – By November 4*, 20 members registered, \$100 per teacher.

SMILE – By November 18, hold an in-person Family Math and Science Night, \$100 per teacher. *For communities unable to hold a fall event, this incentive will repeat.*

LaCuKnoS – By November 18, submit completed student LaCuKnoS surveys, \$10 per survey received. *Students must be registered in SMILE.*

LaCuKnoS – By November 18, submit binder pages related to the My Family STEM Story Career Lesson, \$50 per teacher.

**Note: for teachers who haven't been able to start their club due to just joining the program or for other reasons, we will extend the deadline on registering members.*



Upcoming Events:

Fall Check-ins – Jay and Becca are checking in with many teachers during Family Math and Science Nights. For those we aren't seeing in-person, Becca will be in touch to schedule a virtual 20 min chat incase you have any questions during this busy time of year. Check-ins can be done in groups, partners, or as single teachers.

Virtual Family Math and Science Night: Sensational Sensors –

Tuesday, December 13, from 5 to 6:30 pm PT. *Check out page four for more details!*

For a list of all incentives and dates, visit the [Blast-Off folder on Google Drive](#):

[Click Here](#)

Member Applications and Logging

It's that time of year! Here are some tips on member registration and logging meetings:

Registering Members – Applications can be scanned and emailed to [Kami](#) or [Becca](#). They can also be mailed in using the prepaid envelopes from your Summer Teacher Workshop kit. Or you can enter applications yourself by inputting the information into Ideal-Logic. Here are the steps: [Click Here to login](#). In the green rectangle, click “New Membership Form.” If it's a new SMILE student, click “+ New Minor.” If it's a returning SMILE student, click “+ Select Member.” You can then input all the info from the application. Please select “no” for all media releases, as that was removed from this year's application.

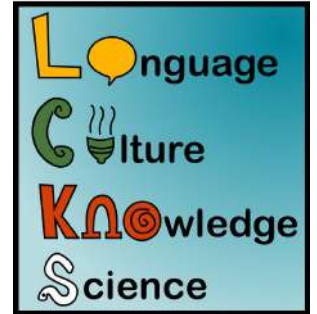
Logging – SMILE logs are reviewed regularly to inform curriculum development, track incentives, report to partners, and more! Please log each club meeting by heading to Ideal-Logic. In the green rectangle, click “New Club Log,” You can then input all of your meeting information. **Note: students must be registered to appear in your club log.**

Contact Becca if you have any questions about registration or logging.

LaCuKnoS Corner – Student Survey & The My Family STEM Story Lesson

It's great to see that many of your clubs have been starting the "My Family STEM Story Lesson" that we shared at the 2022 Summer Teacher Workshop. If you weren't at the workshop or are new to SMILE this year, you should have the materials for this lesson that is designed to help your students think about:

- ❖ Ways that their families already use STEM practices and skills in their daily lives;
- ❖ Their own interests and values in relation to jobs and careers in and beyond STEM;
- ❖ Job and career areas that are expanding and contracting in the coming decade; &
- ❖ How to represent and share their family STEM story with others in a visual format.



The final part of this multi-part lesson is for students to complete the LaCuKnoS student survey that asks them to reflect on their experiences & interests with STEM. Gathering this survey data from students around Oregon will be very helpful for our planning moving forward. A few tips for having your students complete the survey:

- ❖ Before students complete the survey, you should send home the opt-out consent form that is in the binder of the My STEM Story lesson. Parents can return the form if they do not want their child's survey returned to SMILE (they can still complete the survey but just not return it to us).
- ❖ The survey is designed to take students 15-20 minutes to complete – younger students may need more time and/or more guidance to complete the survey.
- ❖ Please have each student complete the survey individually. It's fine if you want to have students discuss anything about the survey together but we'd like to have individual surveys from each student if possible.
- ❖ Please complete the cover sheet that goes with the surveys.
- ❖ Please return the surveys in the included envelope to Kami in the SMILE office once they are completed.
- ❖ Please email Cory <buxtonc@oregonstate.edu> or anyone on the SMILE team if you have questions or if you are missing the lesson or the surveys.

Virtual Family Math and Science Night (VFMSN)

Designed for elementary aged students, but all are welcome to join!

Sensational Sensors

Join us:

**Tuesday, December 13, from 5 to 6:30 PM (PT)
Live on Zoom – hosted by SMILE**

During this live, interactive, virtual event, students will:

- Interact with college students at OSU!
- Engage in several hands-on STEM activities and share their results.
- Learn about how we use our senses to interpret the world around us.
- Learn about sensors we interact with in our daily lives and how they work.
- Interact with OSU faculty and learn about how they use sensors in their research.

There are several options for SMILE teachers and students to participate. Teachers can use the materials they receive during club meetings leading up to the event. Teachers and club members can attend the event together as a group in your classroom. Or teachers can encourage students to participate from home with their families.

Event Timeline:

- **After Thanksgiving Break** - Activity Materials will arrive at your school
- **Tuesday, December 6, from 5 to 6 PM (PT)/6 to 7 pm (MT)** – Teacher PD
- **Tuesday, December 13, from 5 to 6:30 PM (PT)/6 to 7:30 pm (MT)** – VFMSN



An extra from Star Wars?
OSU's Starship food delivery robots use complex sensors to navigate across campus.

An example of a sensor reliant robot seen daily at OSU -
“The robots have mapped the Corvallis campus using GPS and are able to find locations around the grounds. They use a combination of sophisticated machine learning, artificial intelligence and sensors to travel on sidewalks and navigate around obstacles.

The computer vision-based navigation helps the robots to map their environment to the nearest inch. The robots can cross streets, climb curbs, travel at night and operate in both rain and snow. A team of humans monitor their progress remotely and can take control if needed. Starship Technologies' robots have completed more than 500,000 autonomous deliveries to date.”

[Click Here for the full article](#) from Oregon State University

Stay tuned to upcoming newsletters for more Virtual Family Math and Science Night details!

iINVENT Program – Calling 4th and 5th Grade Teachers!

iINVENT

Help Students Make a Difference in their School Community through Innovation and Problem Solving!



Offering a Powerful Framework of Engagement

iINVENT is now offering a school program led by classroom teachers and supported by Oregon State University college student mentors. This is an exciting opportunity for 4th & 5th grade students to use invention to solve problems at their schools! In practice, students will use empathy to define and solve an issue of interest at their school while building STEM skills.

STUDENTS WILL:

- Identify & solve a problem that they care about in their school
- Learn skills that enhance their way of thinking, learning, & engaging in the real world
- Work on inventions with college students over Zoom
- Share final inventions during a final presentation



WANT TO LEAD A PROGRAM?

Cohorts will Run:

- November- December
- January- February
- March- April

To sign up please fill out the following online form:

<https://forms.gle/qMc8uBNWaji64xfx8>

TEACHERS WILL:

- Lead students through 6 invention activities
- Participate in 1-hour of professional development
- Utilize invention curriculum to guide the project
- Receive a variety of invention materials for projects
- Earn a \$500 stipend for participation



QUESTIONS?

Contact: rebecca.harver@oregonstate.edu

Oregon State University, 101 Snell Hall
Corvallis, Oregon 97331 Ph: (541) 737-9418
<http://precollege.oregonstate.edu/>



Oregon State University
Precollege Programs



Opportunities

Scholarship for Oregon Students

The Renaissance Scholars Program provides renewable college scholarships to talented students who will be the first in their family to earn a bachelor's degree. The scholarship award is up to \$4,000 per year, renewable for up to four years. There are two scholarship deadlines, February 1st and May 1st.

- [Learn more about The Renaissance Scholars Program](#)

STEM Research Grants provide support to teachers engaging their students in grades 6 – 12 in authentic scientific research. Teachers can apply for up to \$5,000 to purchase specialized equipment or \$1,000 in preselected equipment including Arduino starter kits, camera traps, and PocketLab sensors.

You can learn more about the program and find the link to apply here:

<https://www.societyforscience.org/outreach-and-equity/stem-research-grants/>.

Have questions? Please email Teachers@societyforscience.org

Toshiba America invites applications for 6th - 12th grade science projects

The Toshiba America Foundation invites grant applications from 6th - 12th grade teachers for innovative science, technology, engineering, and math (STEM) projects. Grants will be awarded to teachers to support efforts to bring an innovative project to life within their classroom. Applications must be for project-based learning with measurable outcomes.

- **November 1 deadline** for grants **larger** than \$5,000.
- **December 1 deadline** for grants **less than** \$5,000.

Details at: <http://www.toshiba.com/taf/612.jsp>



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