



Teacher Newsletter - February 24, 2022

Upcoming Events

May Teacher Workshop - May 6 and 7 at Oregon State University

We look forward to seeing you in person at the May Teacher Workshop! Registration will open on March 6. Stay tuned for a workshop schedule, as well as travel and accommodation information.



Virtual Challenge -

Students will work in teams and think about natural disasters that could impact their community. Students will research how natural disasters could affect the food supply and will create a plan to continue to provide food for their community. For the final showcase, students will create a low-budget disaster movie trailer or a presentation featuring their food security plan.

Important Dates -

Materials will be mailed to schools: week of March 14 – 18
Teacher Professional Development: week of March 28 – April 1
Three weeks of prep time to do challenge activities in clubs: April 4 – 22
Final Showcase: week of April 25 – 29



Family Math and Science Night at Seven Oak MS



Thank you SMILE Teachers, Thanh Nguyen and Amanda Sater, from Seven Oak MS in Lebanon, for a great Family Math and Science Night! The LaCuKnoS Team provided several hands-on, STEM activities.

Pictures from Jay Well: Left - Cory Buxton and Charzy Jones lead a toothpaste whitening activity. Bottom left – Barbara Ettenauer leads a helicopter seed activity and Francisca Belart leads a forestry activity with tree rings. Bottom right – Karla Hale leads an activity about dirty hands. Not pictured: Diana Crespo, also led a LaCuKnoS activity.



Sign-up for a Family Math and Science Night!

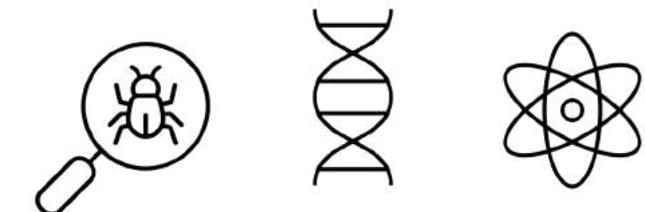
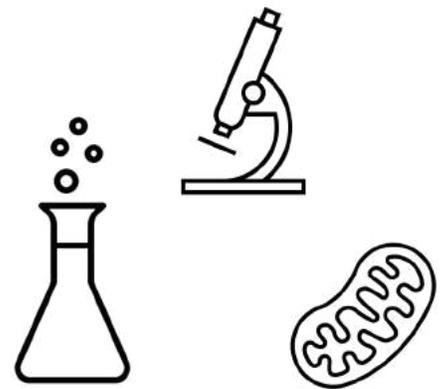
Are you interested in having SMILE staff come to your school to lead a Family Math and Science Night? We have a lot of great activities to bring! Contact Becca: <mailto:rebecca.harver@oregonstate.edu> if you're interested in scheduling a date.

Grant Opportunity for STEM Teachers!

Grant Opportunity for STEM K-12 Teachers from the Toshiba America Foundation

The Toshiba America Foundation is dedicated to promoting quality science, technology, engineering, and math (STEM) education in the nation's K-12 schools. The Foundation provides grants through the following two initiatives: Grants for Grades K-5 of up to \$1,000 are provided to teachers in public or private schools to help them bring innovative projects into their classrooms. The application deadline is October 1, annually. Grants for Grades 6-12 are provided to teachers who have an idea for making science and mathematics more fun for their students. Requests for grants of up to \$5,000 may be submitted throughout the year and are reviewed quarterly. The annual application deadlines for large grants of \$5,000 or more are May 1 and November 1, annually.

To learn more, [Click Here.](#)



*There's still
space!*
**Teachers,
apply by
March 6.**

**Help inspire STEM confidence in underserved
middle school and high school students!**



Dear STEM Educator, Mentor, or Youth Advocate,

We invite you to apply for the Society for Science Advocate Program, which provides a \$3,000 stipend and training to an individual (teacher, scientist, counselor, or mentor) who agrees to serve as an advocate for a minimum of 3 additional students from traditionally underrepresented groups to transition them from conducting scientific or engineering research (science fair-type) projects to completing applications to STEM research competitions. There are four different types of Advocates, which allow both beginners and more advanced applicants to further expand their capabilities to support student research competition participation.

Many students doing science research are not aware of the myriad of opportunities that are attainable by submitting their work to competitions. Just completing the rigorous application process can inspire confidence in their scientific abilities and lead them to consider a STEM career. Many competitions provide monetary awards for post-secondary education and can boost a student's chance of acceptance into the college or university of their choice. Too few students from traditionally underrepresented groups are presented with these opportunities and often lack the know-how to successfully enter.

For eligibility information and to apply for the Advocate Program, [Click](#). Advocates must already have a formal role with students completing research projects. This program is sponsored by Arconic Foundation, Intel, the Jack Kent Cooke Foundation, National Geographic, and Regeneron.

Upcoming RET opportunity Summer 2022!

Apply in March and April. Positions will be decided in May. To apply, email: lindsay.millward@oregonstate.edu

FIELD RESEARCH DIRECT TO YOUR CLASSROOM



1 FUNDED POSITION WITH TRAVEL SUPPORT AND STIPEND



JOIN US IN THE MOJAVE DESERT AND AT OSU



HELP US DESIGN CURRICULUM TO BE TESTED BY THE SMILE NETWORK

We are excited to announce a 6 – 8 week NSF Research Experience for Teachers (RET) opportunity. Teachers will work with a disease ecology research team at Oregon State University who study desert bighorn sheep in the Mojave desert of southern California. We plan to assist teachers in translating their RET experience into STEM education curricula and activities.

For more information please contact...

Lindsay Millward (lindsay.millward@oregonstate.edu) and Dr. Brianna Beechler (breebeechler@gmail.com)

No prior scientific research experience is necessary. Minorities and people from underrepresented groups are especially encouraged to apply.

OREGON CAREER FAIR ²⁰²²

Connect your Students *virtually* to Oregon Professionals
Hosted by five STEM Hubs across Oregon



Agriculture,
Food &
Natural
Resources



Arts,
Information &
Communications



Business &
Management



Health
Sciences



Human
Resources



Industrial &
Engineering
Systems

MARCH 7 - 11

- Middle and High School Students
- Career Inspiration
- Live Virtual Chats

FREE EVENT

[CALENDAR OF SESSIONS](#)

25 SESSIONS!

All Six CTE Career Clusters

[VIEW LineUp & SignUp](#)

Create profile in [OR Connections](#)

[START HERE](#)



Activity Spotlight – Exoplanet 1061



Exoplanet 1061

Subject: Bioenergy

Grades: 6 - 12

In the year 2182, environmental degradation has taken its toll on Earth. Those who have managed to survive years of famine, drought and disease rally around an eccentric leader with plans to leave Earth and colonize a lush planet five light years away. Your team is among those who join the armada and flee Earth in search of a new home.

During the journey, disaster strikes your ship, and you are forced down onto a strange alien world, known as Exoplanet 1061. While this planet is Earth-like in many respects, it does not have any fossil fuels.

The planet appears hospitable. However, soon after you crash land, your team's scientists discover it is merely a matter of time before one of the planet's two suns goes supernova. Your team needs to survive to repair the ship, conduct research, and develop a means to produce rocket fuel so you can escape Exoplanet 1061 before it is too late.

[CLICK HERE](#) for a link to all the resources you'll need.

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On the Road
to College