



## Teacher Newsletter - January 27, 2022

### *The Winter Teacher Workshop is almost here!*

Join us this **Friday, January 28<sup>th</sup> from 9 am to 3 pm**, Pacific Standard Time. Note: If you're checking in and out of the workshop throughout the day, be sure to refer to the schedule for the appropriate Zoom link. Schedule and Zoom links are on the following page. Here's a preview of two workshop sessions:

### **LaCuKnoS – Forestry with the LaCuKnoS Team**



#### **Elementary School Session**

During the LaCuKnoS session, you will learn how to apply the LaCuKnoS model through four hands-on, engaging forestry lessons. Your students will learn about how seeds disperse, play the role of a dendrologist - a scientist who studies trees, examines tree rings to define the tree's age, and learn how to do paper from scratch.

#### **Middle School and High School**

During the LaCuKnoS session, you will learn how to apply the LaCuKnoS model through one interesting forestry lesson. Your students will be able to understand some basic concepts of how to turn trees into logs and make decisions about how to maximize the utilization of tree volume following mill specifications.

### **Applying a Trauma-Informed Approach in the Classroom with Yasmeen Hossain**

In this session we will explore what trauma is, how it might show up in your classroom, and what a trauma-informed approach to education is. We will have an opportunity to discuss, learn about, and practice applying trauma-informed strategies and tools in a learning setting.

# Winter Teacher Workshop Schedule and Zoom Links

Time	Session Length	Elementary	Middle/High
9:00	15 min	Opening/State of SMILE	
9:20	55 min	RCRV-Flux at Work	LaCuKnoS-Forestry
10:20	55 min	LaCuKnoS-Forestry	RCRV-Flux at Work
11:20	20 min	Dance and Coding	
11:40	30 min	Lunch	
12:10	55 min	LaCuKnoS-Forestry	Dive4Ag
1:10	25 min	LaCuKnoS-Strategies and Data Collection	
1:40	25 min	SMILE Partner Program Share	
2:10	25 min	SMILE Teacher Support	
2:40	15 min	Closing	
3:00	--	End of workshop	

**ZOOM Links – Use the colors in the schedule to determine which Zoom link to use when.**

*Use this link for sessions where ES, MS, and HS teachers participate together:*

**SMILE Winter Teacher Workshop: Main Session**

Time: Jan 28, 2022 09:00 AM Pacific Time (US and Canada)

[Click here](#) for the Zoom link

Password: MainEvent

Meeting ID: 927 0438 0957

*Use this link for Elementary sessions:*

**Topic: SMILE Winter Teacher Workshop: Elementary Sessions**

[Click here](#) for the Zoom link

Password: Elementary

Meeting ID: 931 2658 3486

*Use this link for Middle School and High School sessions:*

**Topic: SMILE Winter Teacher Workshop Middle/High Session**

[Click here](#) for the Zoom link

Password: MiddleHigh

Meeting ID: 955 1746 0879



## Re-Cap - LaCuKnoS Concept Mapping PD

On January 11, we had a great virtual Professional Development (PD) workshop on Concept Mapping! The LaCuKnoS Team has provided an activity to practice using concept maps called: "If I Were a Tree." Lesson materials have been sent out via email and will be available on our website soon. Click below to watch a recording of the session!



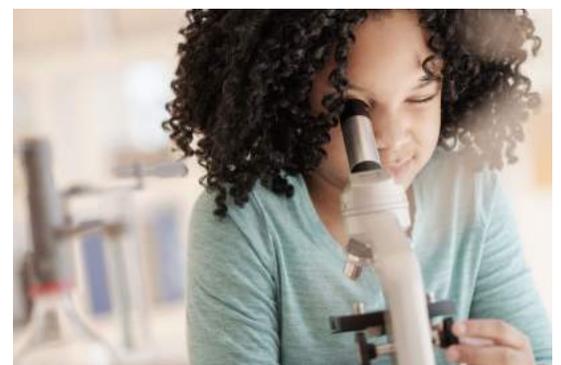
[Click Here](#) to watch this PD

**LaCuKnoS Incentive** – Teachers receive \$35 for each LaCuKnoS PD they attend, and \$20 for each LaCuKnoS activity they try in their club, (for up to 10 activities). Teachers who qualify for the incentive have been emailed with their current payment total. *If you see an error in your total, please contact us by Feb. 2<sup>nd</sup>.* The first LaCuKnoS payment will be made in early February.

## Student Opportunity - Discovering the Scientist Within

***The Discovering the Scientist Within VIRTUAL event will be held Saturday, February 26.*** This event is a free half-day workshop designed to encourage young women in 6th- 8th grade to pursue science, technology, engineering and mathematics (STEM) careers. During this workshop students will:

- hear from a woman in STEM keynote speaker
- participate in hands-on activities led by woman working in the field
- have college student mentors to support them and to share their own experiences in STEM
- receive kits with fun activity materials allowing them to participate in a real-time along with their presenters



Please encourage your students to register for this fun and engaging event [here in Ideal-Logic](#).

[Discovering the Scientist Within Website](#)



**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.

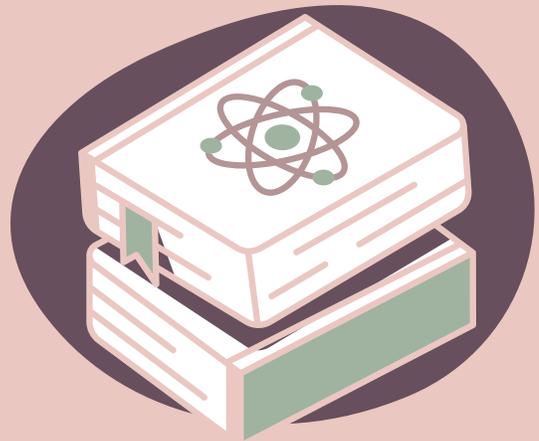
For eligibility information and to apply for the Advocate Program [click](#) Advocates must already have a formal role with students completing research projects. This program is sponsored by Arconic Foundation, Intel, the Jack Kent Cooke Foundation, National Geographic, and Regeneron.

Girls' Empowerment, Engineering, and Outreach at OSU presents:

# SCIENCE AND ME: A K-5 GIRLS STEM CAMP

Join us on **February 5th** from **10am to noon** for a virtual STEM camp!

We will be investigating how salt works through watercolor painting, creating lava lamps, and making binary code bracelets! Parental/Guardian supervision is required. All supplies available at no cost.



[Click Here to Register](#)

**Please register using the QR code or link above. There is information on the registration form on where/how to pick up supplies.**



GEE is a student-led club at OSU dedicated to engaging individuals who identify as girls in STEM activities. If you have any question please contact us at [geestudentclub@gmail.com](mailto:geestudentclub@gmail.com)

## Activity Spotlight – Oregon Volcanoes

On January 15, the Oregon Coast was under a tsunami warning after an undersea volcano violently erupted in the South Pacific. Are your students interested in learning more about one of our resident active volcanoes: Mount Hood? If so, check out this activity from SMILE!



### Oregon Volcanoes

Subject: Geology. Grades 4 – 5

Mount Hood volcano, Oregon's highest peak, has erupted episodically for about 500,000 years. Mount Hood volcano has hosted two major eruptive periods during the past 1,500 years. In both recent eruptive periods, growing lava domes high on the southwest flank collapsed repeatedly. This collapse formed pyroclastic flows and lahars that were distributed primarily to the south and west along the Sandy River and its tributaries. Students in this lesson will learn how to read topographic hazards maps and explore how Mount Hood volcanic hazards will affect the surrounding region.

[Click here](#) for a link to resources including a lesson plan and topographic maps.

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