



## Teacher Newsletter - October 6, 2022



### Family Math and Science Nights Begin!



Thank you, Four Rivers Community School, for including us in your recent Family Math and Science Night on September 29! SMILE members at the Elementary, Middle, and High School levels each ran multiple activities for the event and assisted with all aspects including: set up, take down, and welcoming guests. Club members took great pride in running activities and the Four Rivers community was extremely welcoming. SMILE provided two hands-on activities (pictured lower left), and Emily Nicholson, representing DIVE4Ag, led a very popular VR activity (pictured lower right). We appreciate teachers Kim McDowall, Gerald Whinery, and Jorge Mendieta, for planning and hosting such an **awesome** event!

*If you're interested in scheduling a Family Math and Science Night, or have a date but need to work out some of the details, contact Becca: [rebecca.harver@oregonstate.edu](mailto:rebecca.harver@oregonstate.edu)*



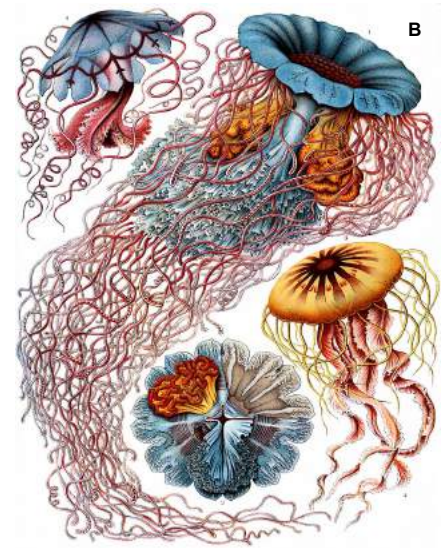
For important dates, check out our SMILE Timeline for the year: [Click Here](#)



## Art of Science Activity

We sent a package to your school with additional laminated pictures that support the *Art of Science* activity. Also included in your packet is a “*Lesson at a Glance*” laminated sheet. This is a truncated version of the full lesson plan and meant to be used as a “cheat sheet” as you lead the lesson. If you lead the lesson and use the *Lesson at a Glance* sheet, **please make note of that in your weekly log** and let us know how it worked for you. This is a great time of year to take your club outdoors and give this activity a whirl. Happy creating!

*Find the full activity here:*



**Above:** Examples of art inspired by science.  
A. By Elizabeth Gould. B. By Ernst Haeckel

**Left:** A teacher's beautiful nature drawing in process, during the Summer Teacher Workshop.

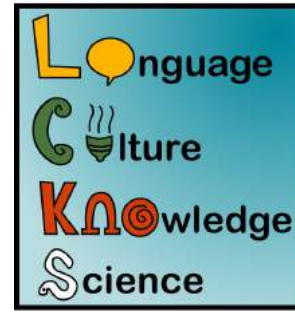
### REMINDER - Request for Updated Teacher Info

If you have not yet done so - **Please complete the Teacher Information Form in Ideal-Logic**. Please note: this is different than the demographic survey you completed at the workshop. To login to Ideal-Logic: [Click Here](#). You can access the form by selecting the “Member Home” tab on the left side of the screen or the “Action Required” red rectangle at the top of the screen.

This takes a couple of minutes to complete, and we appreciate your time. If you are a returning teacher, you will be refreshing your information from the previous year. *Contact us if you have any questions about this process.*

## LaCuKnoS Corner – Teacher Logs and Incentives

The LaCuKnoS teacher logs help the research team to collect feedback and see which activities are actively being used by teachers. We want to know what you see as useful so we can continue to provide you with relevant activities. The logs are incentivized so we can receive this helpful feedback from you all as an alternative to more formal observations.



### Tips for finding and completing LaCuKnoS lessons and logs:

- All LaCuKnoS lessons contain our logo and can be found using the QR code above. The QR code will take you to a google drive with all the LaCuKnoS lessons.
- When completing the teacher logs, please use the name of the lesson. If the lesson is not listed, select “other” and add the name. Some of the newer lessons are not yet updated in the system.
- To receive the incentive, you need to answer the LaCuKnoS questions in the log. Some tips on answering the LaCuKnoS log questions are below:
  - Select *all* of the LaCuKnoS tools you used in the lesson and describe in what ways you used each of those tools.
  - Describe how the tools helped to support your students’ learning.
  - Explain how either the lesson or the tools could be improved.
  - If you made any adaptations to the lesson to accommodate your students, please explain what those were.
- We will be reaching out to teachers that have completed the LaCuKnoS logs to receive feedback on your experience.

### Incentives:

- Each club teacher will receive \$20 for a completed LaCuKnoS lesson and log. You can complete LaCuKnoS logs for up to 10 LaCuKnoS lessons during the 2022-2023 school year.
- Student surveys were provided to each club at the Summer Teacher Workshop. Please encourage your students to complete the survey during the club meeting when they share their family STEM stories pages. Teachers receive \$10 per completed student survey and all surveys should be turned in by November 18.
- Each teacher who submits their club’s binder pages from the My Family STEM Story will receive \$50. The binder pages are due by November 18. To submit, you can mail in pages using one of the provided prepaid envelopes, or scan and email them to: [SMILEprogram@oregonstate.edu](mailto:SMILEprogram@oregonstate.edu)

# MS and HS Teacher Opportunity

Paid Opportunity for Gr 6-12 Math and Science Teachers in Oregon

## Teachers:

Apply to join the  
**2022-2023 ORSEA Cohort!**

*ORSEA connects math and science **educators** with **scientists** to create and pilot lessons centered around marine-focused **anchoring phenomena**.*

See past ORSEA Lessons

<https://oregoncoaststem.oregonstate.edu/orsea>



**OREGON MARINE SCIENTIST  
AND EDUCATOR ALLIANCE**



BELUGAS OUT OF BALANCE



MARSH MAGIC



POUNDING PLASTIC POLLUTION



SEAFLOOR GRAVEYARD



SEA LION FEEDING FRENZY



SWIMMING ON AN EMPTY SHARK TANK



TEEMING WITH FISH



COPEPOD CONJUGIUM



DECLINING SEAGRASS ABUNDANCE



GEOMETRY OF MARINE INVERTEBRATES



KILLER WHALE POPULATION IN DECLINE



MANAGING WHALES AT RISK

**Who:** Oregon middle school and high school math and science teachers interested in curriculum development.

**What:** Teacher-scientist teams co-create integrated math and science units that address coastal ecology, ocean and data literacy, and career-connected learning.

**When:** A 2-hour webinar in November, followed by an onsite workshop in Newport December 3rd & 4th, then monthly online 1-hour check-ins throughout the winter and spring. Teachers determine when to implement their lessons with their students in the Spring of 2023.

**Why:** To build community between teachers and researchers, use marine science to address NGSS and Common Core standards, and increase student interest and awareness of ocean science and marine-related careers.

Teacher participants receive a **\$1500 stipend** upon completion (August 2023)

**Apply by Oct 15:**

<https://beav.es/iF6>



# Grant Opportunities

## STEM Research Grant is Now Open!

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. Over 5 years, \$575,000 has been awarded to 283 teachers. Priority consideration is given to schools that support students who are underrepresented in STEM or those who come from low-income communities.

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](mailto: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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