

Happy October! What's the scariest thing you've seen so far this month-- a student pull down their mask to sneeze, or the answers on your last exit ticket?

Check out our updates in this week's newsletter. Here's a preview:

- ★ Links to required google forms
- ★ Recruitment and Planning Resources
- ★ Opportunities
 - Oregon Department of Ed Mathematics
 - Dive4Ag Timelooper
 - Grants: Sparkplug, Bee Grant, AP Educator
- ★ Throwback Thursday: Singers & Sound Waves

In a hurry? **Action items are highlighted.**

2021-22 School-Year Calendar



It's time for SMILE community meetings! **Sign up for a Google Calendar Appointment Slot between 10/11 and 11/5 so we can connect.**

SMILE Housekeeping Checklist

- Please fill out the **Teacher Information Form** in Ideal-Logic
- When you know your Club Meeting Schedule, please fill out this [SMILE setup info google form](#).
- Club applications materials are due November 5th. Membership applications and a teacher help guide can be found on the [Program Forms section of the website](#).
- Trying to plan** Family Math & Science Night in an uncertain time? Fill out this [FM&SN info google form](#) to update us.

Recruitment & Planning Resources

- What are SMILE clubs? [Link to YouTube recruitment video](#)
- [Recruitment Google slide flyer template](#) (easy to edit!)
- [Family Math & Science Night flyer template](#) (edit away!)



Help a beaver out!



Email SMILEprogram@oregonstate.edu to submit stories and photos we can feature in the newsletter!

Opportunities

Applications for 2021 Math Instructional Materials Criteria Committee

The Oregon Department of Education is accepting nominations for the **2021 Mathematics Instructional Materials Criteria Committee**. District administrators and supervisors are *highly* encouraged to nominate teachers, curriculum specialists, or other experienced professionals with expertise in mathematics for grades K-12.



Nominated individuals will be asked to complete an application regarding their qualifications and experience. Those selected to participate will receive professional development. No travel is required for this year's criteria development.

Application deadline has been extended to Friday, October 8, 2021. If interested, please contact Aujalee Moore, Instructional Materials Coordinator directly for more information at: aujalee.moore@ode.state.or.us or (503) 947-8683.



IMAGINE MATH CLASS Video Contest

The Mathematical Sciences Research Institute (MSRI) and the National Council of Teachers of Mathematics (NCTM) invite groups of U.S. middle and high school students to participate in the Fall 2021 video competition for youth to imagine the future of math class in an anti-racist world.

This contest is open to youth in the United States who are ages 13-18, in groups of 2-10 students. The teachers assisting student groups can use the Gather Voices website to upload videos of 3 minutes or less to imagine the way they want the math class of the future to be.

Choose Your Prompt :

- IMAGINE MATH CLASS – IN COLOR
- IMAGINE MATH CLASS – WITH YOUTH AT THE CENTER
- IMAGINE FREEDOM + MATH CLASS =

Ten winners will be chosen to screen their videos at a public online event in late October 2021. Winning teams are eligible to receive \$500 worth of Mathical award-winning books to share with the students at their school. These are graphic novels, and thrillers, and novels about gaming, and biographies, and all kinds of stories with math and youth of color at the center. Submissions accepted through October 15, 2021. [Learn More & Submit a Group Video](#)

Oregon Open Learning Opportunitites



New grant opportunity! Are you an Oregon secondary teacher who has experience working with students who are emergent bilingual? The Oregon Open Learning team invites you to apply individually or as a part of a team to participate in a new [grant opportunity](#) for the 2021-22 school year focused on developing open educational resources (OER) to support students who are emergent bilingual. Grant award: \$5000. More information and the grant application can be found on ODE's [OER Grant & Professional Learning Opportunities webpage](#). You can also view the [One-pager](#) announcement for more information.

Opportunities

Want to bring your classroom to the 21st century with virtual and augmented reality? Join Dive4Ag for the Timelooper follow-up PD session, and check out their [website for upcoming Dive4Ag PD sessions](#).

Timelooper - Working together to build AR/VR tools for your learners

- › October 12th, 2021
- › Duration: 4:30-6:00 PM
- › Presenters: Yigit Yigiter, Timelooper CEO and Co-Founder; Rasheeda Windham, Timelooper Creative Associate; Susan Rowe, Precollege Programs and DIVE4Ag Director; Maureen Hosty, 4-H Extension and DIVE4Ag Co-Director; Barbara Brody, Associate Professor of Practice - 4-H Youth Development and DIVE4Ag Co-investigator.
- › Zoom Meeting: Link Coming Soon!
- › Short Description: As a continuation from the first Timelooper DIVE4Ag PD session, this workshop will focus on classroom implementation of AR/VR both as educational content and as a tool for presenting projects with interactive features, powerful visuals and immersive content.
- › Get Prepared! Details coming soon!



Opportunities

The Sparkplug Foundation Grants

Sparkplug makes grants anywhere in the United States, and in Israel/Palestine. The foundation funds startup organizations and new projects of established organizations in education, music, and community organizing. Sparkplug funds projects to educate or support communities, including but not limited to school-age students, that move beyond traditional classroom instruction. In keeping with its justice-oriented framework, Sparkplug funds education projects that engage excluded students in new ways, projects that restore knowledge that has been marginalized through racism or colonialism, and projects that rebuild community and collective problem-solving.

Sparkplug gives preference to projects with small budgets, projects of “smallish” organizations, and projects less likely to receive corporate, institutional, or government funding. They consider grant applications for amounts from \$1,000 to \$20,000. **To apply, submit a letter of intent by October 11.**

Sparkplug Foundation



Opportunities



Whole Kids Foundation Bee Grant Program

This program allows a K–12 school or nonprofit organization to receive support for an educational beehive. Four grant options are available:

- Monetary grant of \$1,500
- Equipment Grant: Observation Hive Equipment Grant
- Equipment Grant: Outdoor Traditional Langstroth Hive
- Equipment Grant: Outdoor Top Hive

All equipment grants include a small monetary grant of \$300 to cover the first year of expenses. Grant recipients also receive remote consultation and assistance from The Bee Cause Project.

(Deadline **October 15**)



NSHSS ADVANCED PLACEMENT (AP) EDUCATOR GRANT

DEADLINE TO APPLY: Friday, October 15, 2021 **AWARD:** Five (5) \$1,000 awards

APPLY

NSHSS Advanced Placement Teacher Grants

National Society of High School Scholars (NSHSS) is providing five grants worth \$1,000 to support Advanced Placement (AP) instruction in any subject. Funds may be used for supplies, materials, field trips, or other resources to enhance the delivery of AP courses. Any high school teacher or counselor currently employed at a public or private high school in the United States or internationally can apply.

(Deadline **October 15**)

NSHSS International Baccalaureate Teacher Grants

NSHSS will award \$1,000 grants to teachers in International Baccalaureate (IB) programs. Funds may be used for supplies, materials, field trips, or other resources to enhance the delivery of IB courses. Any secondary school educator teaching an IB Diploma course in any field may apply. (Deadline **October 15**)

Find more events and opportunities at <https://old.nsta.org/publications/calendar>

Throwback Thursday

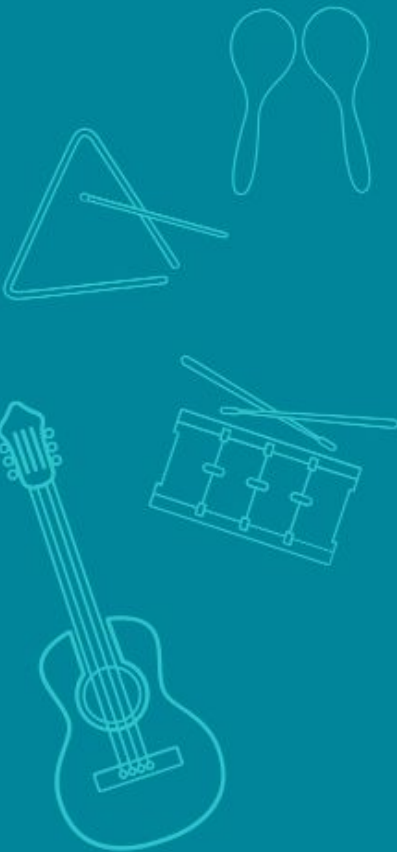
Looking for a SMILE lesson this week, and want to try something that connects in-school and out-of-school cultural knowledge? There's of great stuff in the [LaCuKnoS](#) archives. Check out the [link to lesson on Singers and Sound Waves](#)

SINGERS AND SOUND WAVES



Materials

- One-string guitar (prepared by your teacher)
- Hanging hanger (prepared by your teacher)



DESCRIPTION

Have you ever seen a cartoon where an opera singer sings a loud, high note and wine glasses, eyeglasses and even light bulbs shatter and break? Do you think this can happen in real life? Is it possible for sound waves to break glass? Believe it or not, the answer is yes. Every solid object has a sound frequency that can cause it to vibrate. Wine glasses vibrate easily because of their hollow shape. This is why they make a ringing sound when they are tapped together. If a person sings the same musical note as that ringing note from the glass, the sound of the voice vibrates the air molecules around the glass, and this causes the glass to start vibrating as well. If the person sings the correct note loudly enough, the glass will vibrate so much that it shatters. Here's a video that shows this in action. Sound waves are invisible, but they can be powerful! In this activity, you will use models to demonstrate and explain two important characteristics of sound waves: the **frequency** (how many waves reach your ears each second) and the **amplitude** (the height and energy of a wave).

In this activity we are all going to be musicians as we explore two simple instruments as a way to better understand sound waves and their characteristics. A wave is a change that moves through a substance. The substance can be a gas (like air), or a liquid (like water), or a solid (like the ground). Examples of common waves include sound waves, ocean waves and earthquake waves. In this activity, we will be exploring sound waves.

In your investigation group, you will explore sound waves using two different models: The one-string guitar and the hanging hanger. In both cases your challenge is the same: to adjust the instrument so that you can play a note with a higher sound (high pitch) and with a lower sound (low pitch).

