



## Teacher Newsletter - March 10, 2022

*Forest Grove HS – Club Highlight***Visiting SMILE Teachers Tonya Jones and David Jaquez -**

Power tools + pinecones + snacks = awesome club meeting! Thank you to Tonya Jones and David Jaquez for welcoming me (Becca) to Forest Grove HS on Feb. 28. Club members were “busy bees,” as they made mason bee houses to put up outside the school. ***Fun fact:*** There are around 150 types of mason bees in North America. They are 100 times more efficient pollinators compared with honeybees!



# Natural Disasters & Food Security

## Team Challenge Preview



Natural disasters such as droughts, storms, earthquakes, wildfires, and tsunamis occur every year across the globe. Many of these natural disasters are occurring more frequently as a direct result of climate change. While we often hear about the loss of life and property during these disasters, we do not hear about the long term effects these have on communities they impact. They can impact many aspects of daily life, including food security. Disasters can impact food production through availability, access, utilization, and stability, and the combined effects result in food insecurity, economic hardship, and widespread hunger. In this challenge you will be thinking about how natural disasters in your community have a direct impact on Food Safety and Quality and ways that you could mitigate those effects.

You and your team have just been appointed part of your community's **Food Safety Task Group**. For this challenge, you'll be asked to:

### Middle & High School

- (1) **Select a disaster and map out** how it could impact your community's **Food Safety and Quality**
- (2) **Propose a creative solution** to either:
  - (a) Create a shelf-stable food recipe, or
  - (b) Keep food from spoiling after a disaster
- (3) Present this **information as a story** in the form of a low-budget disaster film or creative slide presentation that will be shared with other groups at SMILE's Disaster Film Festival



### Elementary School

- (1) Learn the story of **Magic Ramen** and discuss how challenges inspire new innovations
- (2) Research an additional culinary innovation to make food last longer (this will be assigned to your group)
- (3) Create your own shelf-stable food recipe. Present this **information as a recipe page** (template provided) that will join with other groups to make a SMILE Disaster-Ready Cookbook
- (4) Create a **1-2 minute commercial or cooking show** sharing the recipe with the community





## Virtual Challenge Continued

### Announcement: Challenge Incentive



SMILE Teachers who complete this year's Challenge will receive up to \$300 each! To qualify, teachers must submit student concept maps (\$100), log Challenge activities for at least two club meetings (\$100) and participate in the Final Showcase (\$100).

### Important Dates -

Materials will be mailed to schools: week of March 21 – 25

Elementary Teacher Professional Development: March 29 at 4 PM (PST)

Middle and High Teacher Professional Development: March 30 at 4 PM (PST)

Three weeks of prep time to do Challenge activities in clubs: April 4 – 22

Final Showcase: week of April 25 – 29



## USPTO Paid Internship Program

***Paid Internship  
For BIPOC Students  
16+ years.***



The USPTO Paid Internship Program intends to give students exposure to intellectual property and practical experience with what it is like to work at the United States and Patent Trademark Office (USPTO). Interns will interact with experts in several disciplines, explore opportunities and develop or enhance personal and professional skills.

Please share with students interested in invention, innovation, creative works, patents, trademarks, entrepreneurship, IT, CS and/or government service. The link and a very general description is at USAJOBS, [Click Here](#). Applicants may apply until 4/1.

# Spring Teacher Workshop

**May 6 and 7 at Oregon State University**

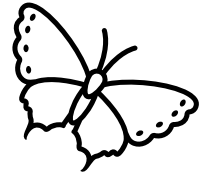
**Registration is now open until April 6.**

To register online through Ideal- Logic: [Click Here](#). After clicking on the link above, login to your club's account or click on the Spring Teacher Workshop link in the Events box on your dashboard.

The Spring Teacher Workshop will be in the Alumni Center at Oregon State University. You will be staying at the Hotel Corvallis 350 SW 4<sup>th</sup> St., Corvallis, OR 97333 in Downtown Corvallis.

We're planning a fun workshop that will consist of tours, awards, and reflection on the year. We're bringing back the Share Fair! Be ready to bring an activity to share with other teachers. We'll also be asking for teacher nominations for the Leadership and Service Award.

***Stay tuned to upcoming newsletters for more workshop details!***



***Join us this Spring!***



## Teacher Share Fair

During the Spring 2022 workshop we are bringing back the very popular and extremely fun teacher share fair! The share fair is an opportunity for teachers to bring and share their favorite activity or resource so that others can take it back and try it out in their SMILE club. The share fair will take place on the first evening of the workshop, Friday May 6<sup>th</sup>. During the event you can set up a table for teachers to learn about your activity informally, or we will give you the floor for a 3-5 minute presentation.

Please fill out the following [google form](#) by April 29 to tell us what you plan to share, with who, and what resources you will need from the SMILE office.

# Nominations for the 2022 SMILE Leadership and Service Award



Dear SMILE Teachers,

It is my pleasure to announce that we are accepting nominations for the **2022 SMILE Leadership and Service Award**. Teachers are the core of SMILE: SMILE Clubs, students' success, and the vibrancy of our learning community depend on teacher dedication and engagement. This award celebrates an educator who has consistently provided outstanding leadership, service, and engagement in SMILE.

SMILE teachers may nominate candidates for the award, or teachers may self-nominate. To receive this award, the individual must be a current SMILE Club teacher or advisor and have demonstrated excellence in the award criteria below. The award is not based on longevity, but on contributions to SMILE's overall mission and vision. Nomination letters should list specific examples of how the nominee meets the criteria below.

The individual receiving the **SMILE Leadership and Service Award** should demonstrate:

- **Engagement in the SMILE teacher learning community** by participating in workshops, sharing best practices, and mentoring new SMILE teachers.
- **Exceptional service to their SMILE Club students**, by attending Challenge events, utilizing innovative activities, taking students on Club-related field trips, and by achieving consistently high rates of student participation in Clubs.

Nominations can be made by completing this Google Form: [Click Here](#).

**Nominations are due on Friday April 15, 2022.**

The award will be presented at the **Spring Teacher Workshop**. The recipient, or recipients, will receive \$300, a certificate, and their name will be added to the award plaque housed in the SMILE Program office at Oregon State University.

If you have questions about this opportunity, please contact Becca at:  
<mailto:rebecca.harver@oregonstate.edu>.

Best regards,  
Susan Rowe

**Director | Precollege Programs & The SMILE Program | Oregon State University**  
101 Snell Hall | (541) 737-8262 Oregon State University | Corvallis, Oregon 97331



# Upcoming RET opportunity Summer 2022!

Apply in March and April. Positions will be decided in May. To apply, email: [lindsay.millward@oregonstate.edu](mailto: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](mailto:lindsay.millward@oregonstate.edu)) and  
Dr. Brianna Beechler ([breebeechler@gmail.com](mailto:breebeechler@gmail.com))

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



## Activity Spotlights - Food Science

### Food Science Lessons

**Subjects:** Chemistry

**Grades:** 4 - 12

As the Challenge approaches, here's a sweet, food safety related SMILE activity to try out in your club.

1) Sweet Jell-O's - examine the sensory properties of sugar substitutes; 2) Quick bread - experiment with different recipes and analyze how different recipes affect yeast; 3) Moldy bread - identify the connection between storage condition and food spoilage.

[Click Here](#) for all the resources you'll need.



### Making The Plants We Eat

**Subjects:** Biology, Ecology

**Grades:** 4 - 5

Students engage in activities related to plant domestication (plant breeding), and plant genetic modification. The goal is for students to learn that both of these methods include similar goals - developing safe and nutritious food more efficiently for a growing population, and are currently being used to improve the plants we grow for food.

[Click Here](#) for all the resources you'll need.



SMILE Program, Oregon State University  
18 Gladys Valley Center, Corvallis, Oregon 97331  
Phone: 541-737-0534

Email: [SMILEprogram@oregonstate.edu](mailto:SMILEprogram@oregonstate.edu)  
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