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# GO·STEM

Greater Oregon Science Technology Engineering & Math

## What is GO STEM?

A regional partnership cultivating a community that values STEM learning, prepares youth for successful STEM careers, and builds pipelines and pathways to meet workforce needs.

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## REGIONAL UPDATES

*June 18, 2019*



*“STEM isn’t just for the ‘smart kids’. It’s for everyone. There are so many opportunities and possibilities...  
...Everyone wants to know how the world around them works. That’s what STEM is here for.”*

*-Chief Science Officer Maddy*

## **Chief Science Officers Meet for Annual Summit**

Last month, Chief Science Officers (CSOs) from across the state met in Boardman, Oregon for their annual summit. At the event, CSOs shared the results of their annual action plans with representatives from ODE and regional educational institutions. It was impressive! Early on, our CSOs voiced a need for increased STEM training and awareness at younger levels. Many of the plans that were presented involved high school students reaching out to local elementary schools to directly spread STEM activities and awareness to youth and the community.

In AY 2018-2019, GO STEM hosted CSO programs in 6 counties, with 21 CSOs and 9 advisors. The program was headed by (and could not have been possible without) our youth voice coordinator, Abigail Southgate.

*Elected by their peers, CSOs are the voices of change.*

Chief Science Officers elevate the student voice by bringing their peers and community leaders together to ignite new opportunities in STEM and innovation. Our CSOs serve as local STEM champions. They speak up for STEM with local legislators and help the community create more STEM awareness and opportunities. [Learn more about the program here.](#)

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**Brain Camp is *this Sat.*-- June 22**

This one day camp hosted by NW Noggin, GO STEM, and NEOAHEC will teach youth (grades 6-12) about the brain using hands-on activities.

The camp is free and spaces are still available. [Register today!](#)

**GO STEM is hitting the road**

We are excited to be participating in many regional events this summer! GO STEM will be hosting *free* youth activities and drop in workshops across the region all summer long. Come visit us at the Woodlands & Watersheds Festival, local farmers' markets, and summer library programs!

Do you want us at your event? [Email our program manager](#) today and get on the schedule. Slots are filling up fast!



WOODLANDS & WATERSHEDS  
  
**FESTIVAL**  
 JUNE 28TH  
 10 AM TO 4 PM  
 WALLOWA COUNTY  
 FAIRGROUNDS

- 30+ EXHIBITORS
- LOGGING GAMES
- FREE HOT DOGS
- TROUT FISHING
- ART PROJECTS
- LIVE MUSIC
- AND MORE!




**SUMMER EDUCATOR OPPORTUNITIES**

Anything new is indicated in **red**.  
Events occurring within the week are **highlighted yellow**.

## Cascadia Earthquake Education Online Course for Teachers

**Date:** Summer 2019

**Audience:** K-12 teachers (of particular interest to MS & HS earth & env. Science teachers)

**Location:** Online

**Cost:** Free!

The University of Portland STEM Education and Outreach Center offers a self-paced on-line Cascadia Earthquake Education course. The course is organized into four modules that introduce plate tectonics and earthquake science then apply this general knowledge specifically to Cascadia Earthquakes and Tsunamis. Within each chapter, a video lecture (or series of video lectures) introduces the topic, along with additional videos and animations. Most chapters contain lesson plans for classroom activities and demonstrations. These lesson plans were designed for middle school students but can be adapted to elementary, high school, and college levels. Each lesson plan specifies the Next Generation Science Standards addressed. Most lesson plans have an accompanying set of supporting resources such as student worksheets and answer keys. It is estimated that it will take about 28 hours to complete the course, so successful completion of the course will result in receipt of a certificate for 28 PDUs (28 clock hours for WA teachers).

If you have an interest and would like to register for the course, please send your preferred email address to: Bob Butler, University of Portland Professor Emeritus, [butler@up.edu](mailto:butler@up.edu). You will then receive information on how to access this free on-line Course!

## 3-day SuperQuest Summer Conference

**Date:** July 10-12

**Audience:** teachers

**Location:** Ontario

The Frontier STEM Hub has partnered with TVCC and the Oregon Computer Science Teachers Association (OCSTA), to bring 3 outstanding days of teacher training in computer science and other computing disciplines to our region through The Eastern Oregon/Ontario SuperQuest.

- [E-Textiles](#) (also known as soft circuits) with [Jill Hubbard](#) Soft circuits and sewn circuits are electrical circuits made from textiles. Soft circuit projects mix traditional textiles and surface treatments with microcontrollers, sensors, and electrical components to create new and interactive projects and wearable designs. [See link for examples.](#)
- [LEGO Robotics](#) with [Don Domes](#)
- [VEX Robotics](#) with [Jim Shaffeld](#)

Check out the OCSTA website at this [link](#) and register [here](#).

## Vernier STEM Institute

**Location:** Beaverton

**Dates:** July 11-12, 8 am - 3 pm

**Cost:** \$199 -- GO STEM support is available (contact us)

**Audience:** Middle and high school teachers, college teachers

Are you looking for easy and reliable ways to incorporate data-collection technology into your classroom? Whether you are currently using Vernier technology or just exploring the use of probeware, join us for a two-day STEM Professional Development Institute at Vernier headquarters in Beaverton, Oregon.

Registration and information: <https://www.vernier.com/training/stem-institute/>

## Summer Agriculture Institute

**Location:** Cove/La Grande

**Dates:** July 14-19

**Audience:** Teachers

**Cost:** \$600 (scholarships available)

Summer Agriculture Institute is a 3 credit, week-long, graduate level professional development program for teachers. Offered through Oregon State University and the Oregon Farm Bureau's Foundation for Education. Two sessions are available: Corvallis, June 23-28 and Cove/La Grande, July 14-19.

Information and registration: <https://oregonaitc.org/events/sai/>

## Toshiba America Grants

K-12 teachers can apply for funds to make science and math more engaging through project based learning. [Learn more and apply here.](#)

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