

**STEM NETWORK summary of activities for districts
March 17, 2014**

Short term connections/communication site: stemoregon.org

- All opportunities are posted on this site/blog and are category/tag based searchable. This is a work in progress. Updates can be easily made.
- Facebook and Twitter STEM Oregon accounts have been created and are linked to the website/blog

STEM Leadership Team members requested a way to get access to opportunities in addition to email. The stemoregon.org site was developed with this short term goal in mind. Now teachers can refer to opportunities by going to the site instead of searching through email. This starts to create brand recognition with the stemoregon name. This site will evolve into the STEM NETWORK.

Teacher Professional Development - RockOn! NASA - Oregon Space Grant Consortium

Steve Fulton, Tigard Tualatin School District
Owen Griffiths, McMinnville School District
Terry Manning, Silver Falls School District

These teachers will participate in RockOn!, an all expense paid summer workshop offered in partnership with the Colorado and Virginia Space Grant Consortia. Teachers will learn how to develop science payloads for space flight. NASA is interested in knowing if this type of activity can be incorporated into high school curriculum.

House App Challenge sponsored by the US House of Representatives

Emmely Briley: Mollalla School District
Erin Fasso: Amity School District
Jill Hubbard: Tigard Tualatin School District
Greg Smith: Salem Keizer School District

This competition is a nationwide event that allows high school students from across the country to compete by creating and exhibiting their software application, or "app," for mobile, tablet, or computer devices on a platform of their choice.

Scholarship, Internship, and Workshop Opportunities For Students

The Data Processing Management Association/Portland Chapter (DPMA/pc) is a locally-based group of professionals dedicated to the promotion of the IT industry through legislation, certification, networking and education. These individuals passionately volunteer their personal financial resources and time to meet these goals. The DPMA/Portland Chapter offers at least one \$1,000 scholarship each year as part of the education promotion program.

McMinnville Engineering Summer Internships

McMinnville Works is a 9 week paid internship running from June 16th Oregon. The program is a collaborative, industry led initiative that brings together career explorers and McMinnville area businesses for the purpose of training, networking and career development.

RockOn! College Expense Paid Summer Workshop for Society of Women Engineers (SWE) members -
Reviewing Applications from the following partner higher educational institutions

Oregon Tech Portland State University

The Oregon Space Grant Consortium is offering female SWE members the chance to attend the RockOn! 2014 Summer Workshop from June 20 - June 27th at NASA's Wallops Flight Facility in Virginia. ALL EXPENSES PAID!

Teacher Professional Development - TAO Foundation How to Build an App in < 59 minutes

Chris Bartlo, Portland Public Schools
Emmely Briley: Mollalla School District
Jill Hubbard: Tigard Tualatin School District

Join the TAO Developer Forum as developers build a responsive web-based application using some of the newest technologies and services

STEM LC Early Adopters/Beta Testers

This is a team of teachers who will help guide and shape the STEM NETWORK as it develops. They will also work with business and community partners to develop units of study that incorporate STEM initiatives as defined by the STEM Leadership Team. They will then pilot using the NETWORK to upload and share their activities with fellow teachers.

Danyel Andrus, Silver Falls School District
Greg Mylet, Lake Oswego School District
Sonia Lulay, Tigard Tualatin School District
Jackie Renoud, Silver Falls School District
Liz Wong, Oregon City School District
Andy Byerley, Newbery School District
Emmely Briley, Mollalla School District
Christopher Griffiths, McMinnville School District

STEM NETwork Long Term Plans - Platforms Investigated/To Be Investigated

CIS/CIS Connections:

modifications done by workforce boards
requires district purchase CIS to us the CIS connections piece (the part we want)
most districts no longer use CIS - very expensive to buy
GUI designed from a business perspective - not teacher friendly
Not a good fit

Naviance

used for scholarships. counselors input data.
was not built this type of application/ not a matching system

getSTEM

Built on Sitefinity CMS
Cost issues (50K) just for the matching part
Can't tell how robust the tracking mechanisms are (no CRM underneath could be problematic)
Arizona tried to use it and ended up bailing and designing their own solution
clean, simple interface

HandsOn

Built on the salesforce CRM
Cost model needs clarification but much less than getSTEM. (~10K). Does that include salesforce licenses?
Very flexible. Supports group projects, volunteer coordinators. But this adds complexity.
Looks very 1990's. Not my favorite GUI.
Is customizable to a point. Hard to tell how much I can really change.

EdLabGroup:

Looks like it was done with a build your own database program? Contact said it was hand built by the organization.
Cost was off the charts (~ 90K)
Need to clarify if it sits on top of a CRM.
[fabfems site](#) (one of their projects) GUI is clean and easy to use.

GalaxyDigital, Caspio, FM Starting Point (Need to be investigated)

Build you own database programs.
Cheap
Easily Modifiable
Haven't investigated yet.

