



Leadership Council Meeting

Oregon Coast STEM Hub

November 7, 2019 | 10:00am – 3:00pm

Partners for Rural Innovation, Tillamook, OR

Link to handouts

Attending IRL: Dave Hansen*, Bob Cowen**, Goda Akella**, Kristi Foster*, Alix Lee**, Amy Schmid, Itchung Cheung*, CJ Drake*, Lisa Phipps*, Lisa Blank ■, Josh Jannusch ■, Cait Goodwin ■, Tracy Crews ■, Kara Allan ■, Darryl Spitzer, Megan McKenna, Jennifer Guarcello, Chrissy Smith

Zoom: Kerry Carlin-Morgan*, Sara Shaw Roberts**

(*LC member **alternate LC member ■ backbone staff)

Welcome

Minutes accepted from April 2019

New LC Member

Since our last meeting, Tenneal Wetherall and Kathy Barber have stepped down from the Leadership Council. Lisa Blank proposes adding a new Leadership Council member - Doug Ardiana, Superintendent of Bandon School District. Motion passes to add Doug to the LC.

Review of today's Agenda

The LC heard from the following local partners:

Kristi & Alix - Tillamook Estuaries Partnership (TEP)

Megan McKenna & Darryl Spitzer - Tillamook Bay Community College (TBCC)

Amy Schmid - Natural Resources Coordinator TOSA at Tillamook SD.

Chrissy Smith - Friends of Netarts Bay/WEBS.

Jennifer Guarcello - Grant writer and communications director at Tillamook SD.

Making Connections - how might Tillamook activities relate to other partners?

Bob Cowen - Connections with new OSU Marine Studies program at HMSC

Dave Hansen - Oregon Sea Grant is hiring a SG Aquaculture extension person in Tillamook.

CJ Drake - Might GP be interested in students with these AAA degrees from TBCC?

Funding Status - ODE (see award letter)

Oregon Department of Education (ODE) awarded OCSH \$331,965 for the 2019-21 biennium.

STEM Hubs can expect to receive NO more ODE funding after this biennium. Even though the letter says the award begins July 1st, the funds have not really started yet and OSG has been floating the Hub while we wait for the funds to arrive.

How STEM Hubs are funded has been changed. Now Hubs are funded based on number of students. This means our rural Hub receives proportionally less than in the past.

Evaluation

Evaluation criteria - OCSH will be evaluated at the end of the biennium to see if we have 1) doubled the percentage of students in 4th and 8th grades who are proficient or advanced in mathematics and science, and 2) doubled the number of students who earn a post-secondary degree requiring proficiency in STEM. Bob points out that we are asked to “address” the goals, not actually be expected to meet the goals.

- **CIP Assessment Rubric** (see handout)
Lisa introduced the rubric used by ODE to evaluate OCSH, and shared the report generated about our Hub.
- **Center for Research on Lifelong STEM Learning** (see handout)
This survey (Jan-Mar 2019) was compared to a 2017 survey that had different questions.

LC members discussed the report and its implications. The group agreed that the math in the report is difficult to interpret, and making comparisons to past years or to other Hubs is problematic. For example, the 2017 survey asked our Hub to handpick survey respondents. The people who responded to the 2019 survey were simply partners in our Hub - and we aimed to get all of our partners to respond.

Pros: Our Hub had significantly more partner responses compared to other Hubs. We score highly in the areas that we have said are our priorities. OCSH scores are on par with other Hubs. Few people responded about how OCSH could be improved, which is good.

Cons: Our Hub is not doing a great job of keeping the entire network in the loop about what is happening in the Hub. We need to help partners understand how they are part of the STEM Hub, and that they should share their work and recognize the STEM Hub. In addition, we could collect reporting information from partners so that we can say the impact of work within the Hub. Disappointed that we got a low rating from the “reaching underserved communities” part.

Updates (see handout)

Shared professional development and student STEM experiences in the recent past and near future. Lisa highlighted that ChickTech training that was held in Warrenton; it was inadvertently left off the updates document.

Grant Opportunities - Funded and Submitted (on the Updates Handout)

Funded

- Trust Management, LLC: \$10,000 for WEE Engineering workshop in Aug 2019
- NOAA B-WET: \$60,000 for MWEEs by the Sea III, start date Aug 2019
- Siletz Tribal Charitable Contribution Fund: \$4189 awarded to support the ROV Competition
- Research Experiences for Teachers: \$24,712, Pilot program began July 2019 and is part of ongoing NSF-funded activities at HMSC
- Hampton Foundation: \$25,000 for 3D Community Problem Bank and companion mathematics curriculum. Work will start at Toledo Jr/Sr, then pushed out to other four areas in LCSD. Potentially something that can be shared beyond LCSD.
- ODE: \$311,965 for 2019-2021 Biennium Funding
- Walmart Community Foundation: \$2000 received to support the 2020 Oregon Coast Renewable Energy Competition.

Submitted/In Development

- OCF funding - planning grant (\$10,000) will focus on development of STEM/CTE apprenticeships for high school students. Work will start in Curry County to build off of existing programs/partners. Phase one is planning, phase 2 is starting the program in Curry County, phase three will be expanding to a few other counties to pilot, and phase 4 would be expanding throughout STEM Hub region.
- ODE funding - Focus: Computer Science for All (CS for All). Lisa will be trained by CS for all to support school districts through a two year planning cycle to create a K-12 CS plan. A 9th grade CS intro course from Oregon CS could be a foundational place to start, then build up and build down to identify grade level goals.

Other three areas we requested funding from innovation:

- Early Childhood and Parent Engagement: In conjunction with OMSI, who received Ford Family Foundation funding for a suite of offerings. OMSI will join the online community of practice for WEE Engineering to support math integration for ECE programs.
- Rural STEM Leadership Network: Money to support training more teachers to be OSP facilitators
- High School Science for All - Patterns science sequence (Physics First). Money available for training and implementation.

LUNCH

Hub Sustainability

Reiterate: ODE funding is not going to continue beyond this biennium.

Lisa outlines example of the websites and structure of three non-OCSH STEM Hubs:

1. Connected Lane County - example of being absorbed by a partner
2. Pipeline - Albany Chamber of Commerce - example of support from anchor partners
3. Utah - Get a 501c3, get away from the Legislative Process, STEM businesses contribute

Another idea in development statewide is to create one 501c3 to cover all the Oregon STEM Hubs.

Activity: Gallery walk in which group members list pros/cons of proposed pathways forward.

Conclusion: Most of the positive attention was directed toward options #2 (Pipeline) and #3 (501c3).

Next Meeting Plans (see Agenda, p.2)

LC agrees to engage in monthly, one-hour, online Zoom sessions on the following dates: Dec 17, Jan 21, Feb 18, Apr 21, Jun 16, Jul 21, Aug 18. These are optional and informational meeting opportunities to maintain connections and communication.

In addition, OCSH LC will continue to have quarterly face-to-face meetings:

- March 19th, 2020 – Bandon
- May 7th, 2020 – Warrenton
- September 17th, 2020 – Newport

LC member terms

As noted in an earlier email to LC members, the two year terms of several LC members have ended or are going to be ending soon. Please email Lisa with your thoughts about how to extend terms.