Oregon Coast Regional STEM Hub Sub-Committee Groups

Background

The Oregon Coast Regional Science, Technology, Engineering, and Mathematics (STEM) Hub has grown from a grassroots partnership that began with Lincoln County School District, expanded to include Tillamook School District, and now seeks to advance the STEM skills of all Oregon Coast students by utilizing local resources and issues as a means to engage students and contextualize learning.

The Oregon Coast Regional STEM Hub’s goals are to:

- Improve student performance in STEM subjects
- Increase interest in and improve preparation for STEM careers
- Increase proficiency in STEM concepts necessary to make personal and societal decisions
- Create enhanced teaching capabilities by providing professional development opportunities

This partnership is a collaborative of over 40 partners including Oregon Coast school districts, four community colleges, three universities, numerous state and federal agencies, and multiple business partners who share a common vision of providing world-class STEM learning opportunities for teachers and students in rural communities along the Oregon Coast.

The partners have agreed that they will not form a formal legal entity, but will utilize existing partners to advance the STEM Hub’s work. Although the Lincoln County School District is the fiscal agent and the Hub is physically located at Oregon State University’s Hatfield Marine Science Center in Newport, Oregon, multiple and varying partners will act as leads for the proposed sub-committees and for the purpose of running specific programs and activities, based on grant sources, relationships, and expertise.

As a Collective Impact Partnership, we are striving to leverage our resources in three strategic ways:

1. **Professional Development**: Providing Professional Development (PD) for teachers and partners in effective instructional practices focusing on STEM integration and Project Based Learning (PBL);

2. **Student STEM Experiences**: Supporting STEM learning experiences for K-14 students by providing connections to STEM professionals in the classroom and in the field, equipment and resources for carrying out STEM related activities, and opportunities to showcase student created designs and STEM projects;

3. **Networking**: Creating a STEM network of resources, programs, and professionals to support STEM learning for K-14 students, including a website which will serve as a
clearinghouse or conduit for connecting business and community resources with educators, parents and students.

Sub-Committees will be critical in the development and implementation of the STEM Hub’s Professional Development activities and Student Learning Experiences, as well as helping to promote STEM Hub and assisting with the creation and implementation of the Sustainability Plan. Sub-Committee members are not expected to actually run Hub programs or activities but to provide input and assistance as needed.

**Oregon Coast Regional STEM Hub Proposed Structure**

**Sub-Committee Member Expectations:**
- Support the Oregon Coast Regional STEM Hub’s mission and values
- Commit to serving on the designated Sub-Committee for a one-year term
- Attend all quarterly meetings (may participate in person or remotely)
- Actively engage in sub-committee, providing input on proposed activities
- Attend STEM education and/or outreach events as applicable
- Leverage professional networks to assist with STEM Hub and associated activities

**Optional Sub-Committee Member Contributions:**
- Host/support STEM Hub activities in your area
- Promote partnerships with industry, educational institutions and other stakeholders
- Help secure sponsorships/funding as appropriate