PEI PACIFIC EDUCATION INSTITUTE

Real-World Science Outdoors

2018/2019 Annual Report



Promoting Scientifically Literate Citizens

Serving Washington Communities

Message from the Executive Director & Board President

Dear FieldSTEM® Community,

The work of environmental and sustainability education (ESE) connects youth to the wonders and opportunities that our natural areas and natural resources provide. Research supports the idea that meaningful time spent outdoors can lead to individuals better equipped to make decisions and take action to support healthy, sustainable communities. PEI has long been the leading statewide organization with a driving mission to get youth outdoors to learn. During the 2018-19 school year, our work to build systemic and sustainable programs in schools and districts across the state utilized current projects to inform and improve the work we do.

As one of the state's ClimeTime projects, PEI's Solutions-Oriented Learning Storylines (SOLS) focused on: 1) how to utilize local climate science information to support actions that will drawdown greenhouse gases and elevate student voice in their community, and 2) how to provide professional development (PD) that leads to culturally inclusive practice and equitable programming. We took a deep dive with our tribal partners to understand how to better serve indigenous youth and community, gaining insight, improving relationships and embedding indigenous ways of knowing in the units. The PD that supports these units reflects the importance of building relationships with local tribes, including the Since Time Immemorial curriculum, and utilizing the power of formative assessment to create a supportive, inclusive culture of learning in classrooms.

Our Educating for a Green Economy project is bringing together ESE professionals with workforce professionals, post-secondary institutions and Career and Technical Educators (CTE) to ensure our renewable natural resource and outdoor recreation jobs are showing up in the workforce data and that youth have clear pathways to those jobs. We launched our new FieldDesign guide to help educators incorporate field-based engineering design into FieldSTEM, and strengthened our FieldSTEM Notebook workshops to better address how educators can get outside with students and use notebooks to meet English Language Arts (ELA), math and science standards. All our work continues to strengthen our FieldSTEM programming. PEI is grateful for and empowered by the support and collaboration with our partners, please consider making a contribution to PEI in the coming year to help ensure all students receive real-world science outdoors.



Kathryn Kurtz
EXECUTIVE DIRECTOR



Lisa Perry
BOARD PRESIDENT



"I used to think I taught one subject. But now I think that getting kids outside and integrating math, ELA, art and science is the best way to teach!"

– Wahkiakum School District Workshop Participant

PEI Values

Equity

PEI values equitable FieldSTEM learning that is culturally relevant for each, and every student.



Collaboration, Diversity and Inclusion

PEI values inclusive and collaborative education that considers all voices, including historically underrepresented populations, when making decisions and designing solutions to strengthen community.

Integrity

PEI values a coherent education system that utilizes reliable and trusted scientific resources and relationships that inspire trust.

Authenticity

PEI values education that engages students in locally relevant economic, social, and environmental questions, problems, issues, and opportunities.

Creativity

PEI values education that inspires innovative, science-based thinking.

Stewardship

PEI values education that encourages students to actively take responsibility for the vitality and sustainability of the environmental, economic, and social systems of their communities.

2019 Directors' Legacy Award



Margaret Tudor



Beginning this year, PEI will award an individual the PEI Director's Legacy Award. The intent of this award is to recognize individuals that have, over the course of their careers, contributed to improving PEI's position in the Washington State landscape.

In collaboration with Lynne Ferguson and key environmental and sustainability educators; Margaret was in the room when PEI was first envisioned. She supported PEI from her position with the Department of Fish and Wildlife before joining Lynne as Co-Director and then sole Executive Director of PEI. Margaret's work to create a shared vision and collaboration with critical partner organizations led to the FieldSTEM plus model, the pre-curser to our current FieldSTEM model. The relationships she established with key organizations is reflected today in the strength of the PEI Board of Directors. While Margaret retired in 2017, she remains an active supporter and advisor to PEI.

Program Highlights

70
WORKSHOPS DELIVERED

1,148
EDUCATORS SERVED

368
STEM CLOCK HOURS PROVIDED

35,000
STUDENTS IMPACTED

1,148
ELA PERFORMANCE TASKS DOWNLOADS

23
SCHOOL DISTRICTS COMMITTED TO DISTRICT-WIDE FIELDSTEM IMPLEMENTATION

333
FIELDSTEM GUIDES DISTRIBUTED (PRINT)





FIELDSTEM COORDINATORS


Julie Tennis
Coastal


Hattie Osborne
South Sound


Chad Mullen
Lower Columbia


Megan Rivard
Central WA


Mike Nepean
Eastern WA

Project Learning Tree®
Empowering Educators, Inspiring Youth

Washington State Coordinator

Project WILD®

Western Washington Coordinator

134
PLT & PROJECT WILD GUIDES DISTRIBUTED (PRINT)

8
PRE-SERVICE WORKSHOPS DELIVERED

108
PRE-SERVICE EDUCATORS TRAINED

NEW TEACHING MATERIALS



9 New Solution Oriented Learning Storylines Addressing Climate Science

2 New Guides: FieldDesign Focusing on Field-Based Engineering Design

2 New Performance Tasks Integrating Language Arts with Science



Celebrating FieldSTEM

At our fall 2019 FieldSTEM Celebration, PEI honored FieldSTEM Award Winners. These individuals and organizations exemplify our mission of promoting a scientifically literate citizenry empowered to make balanced, well-informed decisions for sustainable communities. To successfully run FieldSTEM across Washington, we work with thousands of such individuals from key areas: educators, community partners, schools, school districts, elected officials, workforce professionals, natural resource employers, academic experts and education policy makers. It takes all of us to offer the support educators need to effectively implement FieldSTEM.

District of the Year:
Quillayute Valley School District

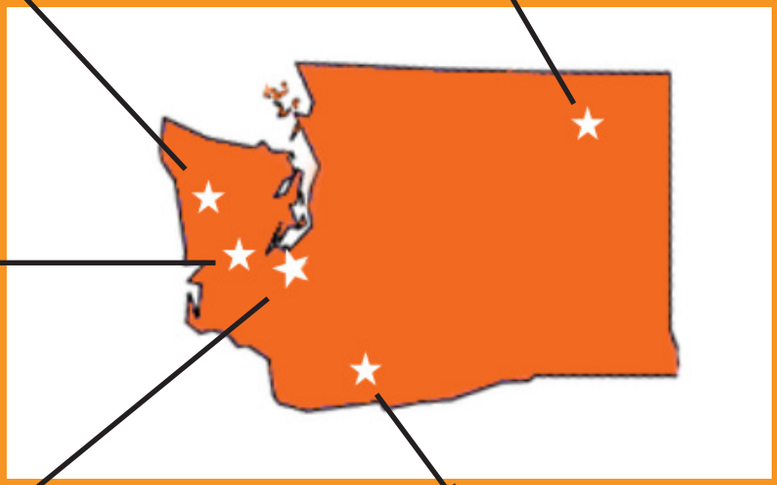
QUILLAYUTE VALLEY
SCHOOL DISTRICT
Forks, Washington
Respect - Integrity - Commitment

Teacher of the Year:
Candy Kristovich,
Chewelah School District



Community Collaborator of the Year:
Jen Thurman-Williams,
Mason Conservation District





Legislator of the Year:
JT Wilcox,
Washington's 2nd District



School of the Year:
Skamania School

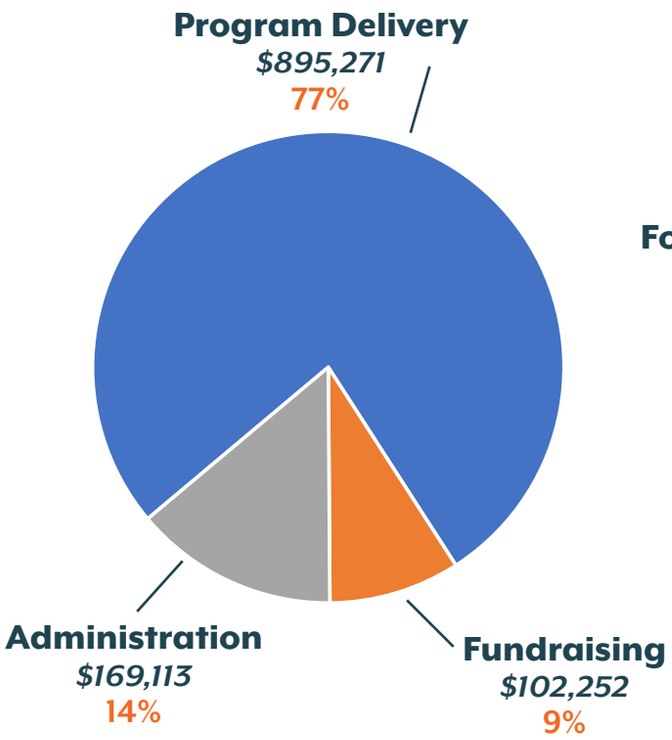


"FieldSTEM gives students an opportunity to be brave and try new things in an environment that isn't necessarily comfortable for them"

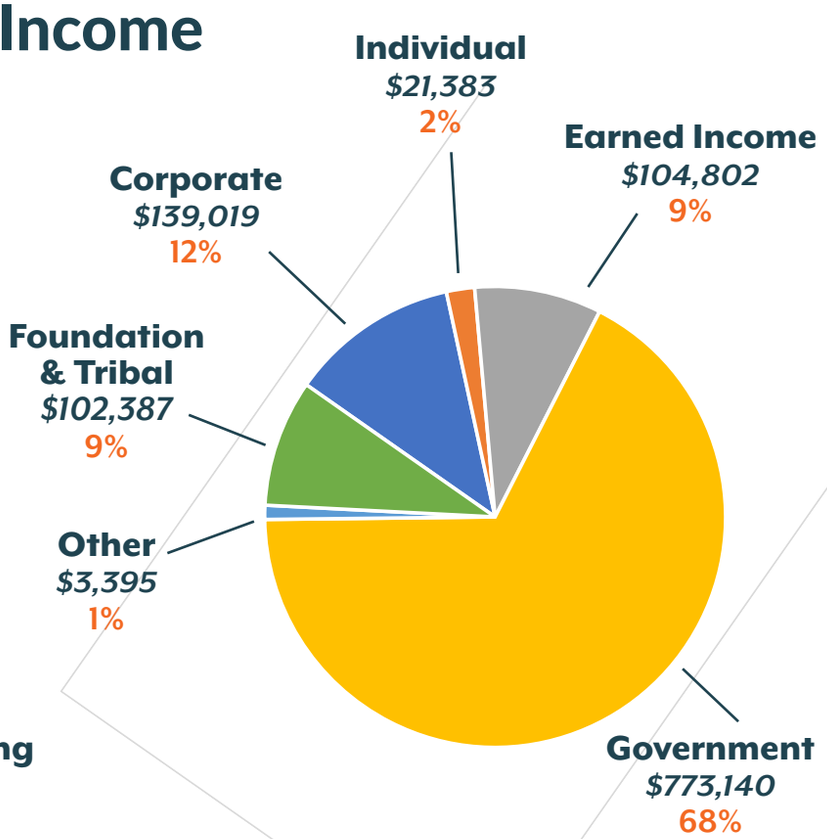
– Principal, Chewelah School District

Financial Overview

Expenses



Income



Current financial review available on our website November 2019

Our IRS ID number is: 75-3108166



All students have the right to equitable, integrated, career oriented, locally relevant, field-based learning - so that they understand the interconnectedness of systems and can make decisions to support sustainable communities.

Funders

$50,000 +

$20,000 - $49,999

$10,000 - $19,999

$5,000 - $9,999

$1,000 - $4,999

The Association of Washington Principals • Bloedel Timberlands Development • Bonneville Power Administration • Broughton Lumber Co. • Campbell Global • Community Foundation of South Puget Sound • Fruit Growers Supply Company • The Greater Tacoma Community Foundation • Hancock Farmland Services • Itron • Merrill & Ring • Nisqually Indian Tribe • Olympic Resource Management • Kenneth Osborn • Our Community Credit Union • Pacific Shellfish Growers Association • Pacific West Timber Company LLC • The Rayonier Advanced Materials Foundation • Skokomish Tribe • State SFI Committee • Stevenson Land Company • Stimson Lumber Co. • John & Sally Warjone • The Washington School Principals Education Foundation • Washington Invasive Species Council • WestRock

$10 - $999

Anonymous • Joel Aune • Brian & Deborah Bahs • Eric & Kristen Barkman • Wendy Boles • Brittlind Company, Inc • Sally Brownfield • Kevin & Denise Buck • Tom Davis • Bill Dewey • Mark Doumit • Leesha Fagan • Pam Farr • Marty & Susan Fortin • Timothy Garchow • Mary Carr & Chuck Gibilsco • Hancock Forest Management • Brian Hatfield • Tamara Holmlund • Steve Hyer • John & Diana Ison • Jessica Josephs • David Ketter • Paul & Gail Kramer • Kathryn Kurtz • Martha Kurtz • Susan Kurtz • Dean Littlepage • Jean MacGregor • Bill Monahan • Chad Mullen • Debora Munguia • Tina Niels • Pacific Denkmann Co./Pilchuck Tree Farm • Lisa Perry • Joanne Quirk • Aaron & Lauren Rodriguez • Amanda Romero • Ben Shissler • Ron & Heather Sisson • Douglas & Nancy Skerritt • Eleanor Steinhagen • Dennis & Karen Sterner • Bill Taylor • Cathy Taylor • Julie Tennis • Margaret Tudor • Steve Wang & Kathryn Hamilton • Gareth Waugh • Karen Weiss • Sheila Young • Susan Young

Board of Directors



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Lisa Perry
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Tim Garchow
WA State School Directors Assn



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Secretary
Heather Druffel
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Marty Fortin
AWSP Outdoor Learning Centers



John Ison
Green Diamond Resource Company



Brian Hatfield
WA State Dept of Commerce



Chris Voigt
WA State Potato Commission



Sally Brownfield
NW Indian Fisheries Commission



Bill Taylor
Taylor Shellfish



Rhonda Weaver
Comcast



Bill Monahan
Rayonier



Scott Seaman
Assn of WA School Principals



Tom Davis
WA Farm Bureau



Mark Doumit
WA Forest Protection Agency



Joel Aune
WA Association of School Administrators



Dr. Tamara Holmlund
WA State University



Ron Shultz
WA State Conservation Commission

You're Invited



Donate Financially

When you give to PEI, you support teachers in providing their students with learning opportunities that will help them become scientifically literate citizens making balanced decisions for sustainable communities. Ways to give include:

- **Making an individual donation**
- **Donating stock**
- **Becoming a sponsor**

To learn more, contact Henry Smith, Development Coordinator, at (360) 705-9294 or hsmith@pacificeducationinstitute.org.

Attend a Workshop

For a current schedule of workshops and events, visit our website:
pacificeducationinstitute.org

Collaborate with Us

Community collaborators are a critical part of the FieldSTEM Model. To learn about opportunities to provide Washington students with integrated, locally relevant, career connected learning, contact Denise Buck, Program Director, at (360) 705-9286 or dbuck@pacificeducationinstitute.org.