Agenda:
• Who is PEI?
• What is FieldSTEM?
• Current School District Focus & Implementation Plans
• Our partnership with PLT
• Funding
• Working with PEI
OUR VISION
PEI envisions scientifically literate citizens making balanced decisions for a thriving future.

OUR MISSION
To advance science literacy and deepen student engagement by empowering educators to teach real-world science outdoors.
• Governed by a diverse Board
• Endorsed by OSPI
• ½ Public – Private
• Professional development
  • Informal and formal
• Curriculum resources
• Consultation and mentoring
• Research
• Environment and Sustainability Education Policy
FieldSTEM is integrated, career-connected, field-based learning designed to advance science literacy and inspire balanced decision making for a sustainable future. It is a process that employs language and math skills and an understanding of social and natural systems to implement locally relevant science and engineering practices outdoors.
Measuring FieldSTEM Implementation

**Indicators of Excellence**

- **District Level**
- **School Level**
- **Classroom Level**
Customizing for Each District

<table>
<thead>
<tr>
<th>District One</th>
<th>District Two</th>
<th>District Three</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Create a detailed plan for each district.</td>
<td>2. Allocate resources for each district.</td>
<td>3. Implement a strategic initiative for each district.</td>
</tr>
<tr>
<td>- Focus on local needs.</td>
<td>- Prioritize community input.</td>
<td>- Ensure alignment with state standards.</td>
</tr>
<tr>
<td>- Engage stakeholders.</td>
<td>- Foster collaboration among teams.</td>
<td>- Monitor progress and adjust plans.</td>
</tr>
</tbody>
</table>

**FieldSTEM Components**

1. **Engagement:** Encourage participation and involvement from all stakeholders.
2. **Participation:** Facilitate meaningful participation in decision-making processes.
3. **Innovation:** Focus on creative and innovative solutions.
4. **Collaboration:** Promote teamwork and partnership among diverse groups.
5. **Equity:** Ensure equal opportunities and access for all.

**PEI Institute**

Creating Connections Through Performance Tasks

[Diagram of educational model]

[Logo and text: PEI PACIFIC EDUCATION INSTITUTE]
## Shelton’s FieldSTEM Model

<table>
<thead>
<tr>
<th>GRADE</th>
<th>Field Experience</th>
<th>FOSS Life Science Kit</th>
<th>ELA Performance Task</th>
<th>Targeted NGSS Performance Expectation</th>
<th>Question to be investigated</th>
<th>Overview of Field Experience</th>
<th>Partners</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Mason Lake Forest 1: Forest Benefits</td>
<td>Living Systems, Earth Systems</td>
<td>Forest Management</td>
<td>S-ESS5-1. Obtain and combine information about ways individual communities use science ideas to protect the environment</td>
<td>Is it possible for people to use Earth’s resources and maintain a healthy environment?</td>
<td>Gathering information about forest benefits i.e. forest products, recreation, healthy habitats, and water.</td>
<td>Mason Conservation Green Diamond</td>
</tr>
<tr>
<td>6</td>
<td>Multiple Beaches on Oakland Bay</td>
<td>Ecosystem</td>
<td>Pollution</td>
<td>MS-LS2-1. Data on organisms and populations; MS-LS2-2. Predicting patterns and energy flows</td>
<td>Why are beach structures different? What beaches support what organisms and why? What factors support various organisms?</td>
<td>Different groups of students visit different beaches and create both a beach transect and profile. Results are then shared between groups.</td>
<td>Capitol Land Trust</td>
</tr>
</tbody>
</table>
PEI Organizational Chart

Board of Directors

Executive Director

Program Director

Program & Communications Coordinator

Education Faculty

FieldSTEM Coordinators

FieldSTEM Facilitators

Teacher Leaders

Community Collaborators
PEI’s Geographic Reach

2016-2017 PEI Geographic Reach

- Districts/Schools with Commitment to Sustained PEI Work
- Districts with Participation in PEI work by teachers or schools
Project Learning Tree is

A program of the Sustainable Forestry Initiative, a nonprofit organization that works for quality environmental education, informed decision-making about our communities and our world and healthy forests

PEI partners with PLT by

• using PLT Activities to embed them in the scope and sequence curriculum work in partnership with schools and school districts

• Training PLT Facilitators and offering PLT workshops for educators
Support for Our Work

- OSPI/Legislative Funding
- Other public grants
- Private grants
- Sponsorships – SIC and member companies!
- Individual donor support
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