Integrate State Learning Standards

1. **Purpose:** The purpose of this program is to provide professional learning and support to teachers and administrators to integrate the state learning standards in English language arts, mathematics, science, economic and civics with career connected, locally relevant, outdoor field -based learning opportunities aligned with the environmental science, natural resource, and agricultural sectors.

2. **Description of services provided:** PEI is a professional learning organization dedicated to advancing science literacy and deepening student engagement by empowering educators to teach integrated, real-world science outdoors. FieldSTEM® is our signature integrated learning model. We support teachers in delivering FieldSTEM through year-round training, ongoing support and curricular tools and resources. PEI and a cohort of experts in K-12 education and environmental education have developed our research-based frameworks and the accompanying professional development, so teachers have what they need to create locally-relevant, career connected, environmentally-based, integrated science curriculum.

3. **Criteria for receiving services and/or grants:** Any district, school or teacher can receive our services. PEI's preferred method of engagement is to start with an agreement from district and school administrators to support their educators as they implement FieldSTEM. Each district and/or school completes an initial assessment (continuum) and again in subsequent school years to monitor growth towards implementation with fidelity.

    Beneficiaries in 2017-18 School Year:
# of School Districts:	47
# of Schools:	00
# of Students:	10,513
Other: Teachers	215

# of OSPI staff associated with this funding (FTEs):	00
# of contractors/other staff associated with this funding:	01

    FY18 Funding:
	State Appropriation:	$500,000
	Federal Appropriation:	$0.0
	Other fund sources:	$0.0
	TOTAL (FY18)	$500,000

4. **Are federal or other funds contingent on state funding? If yes, explain.**   No.

5. **State funding history:**

Fiscal Year	Amount Funded	Actual Expenditures
FY16	$500,000	$500,000
FY17	$500,000	$500,000
FY18	$500,000	$500,000

6. **Number of beneficiaries (e.g., schools, students, districts) history:**

Fiscal Year FY18	Number
School Districts	52
Teachers	290
Students impacted	13,628

7. **Programmatic changes since inception (if any):** PEI has had no real changes to the program as outlined in the agreement.

8. **Evaluations of program/major findings:** The goal of this year's evaluation was to explore the impact that PEI's professional development opportunities and district-level coaching and support have had on educators, school administrators, as well as district practices, and how PEI may improve program offerings to increase their impact with teachers and school leadership. The evaluation revealed the following successes: workshop participant satisfaction; teacher gains in skills and desired attitudes regarding FieldSTEM; implementation of outdoor learning strategies in the classroom, particularly related to ELA performance tasks, scientific field investigations and increased alignment with NGSS; student interest in and enjoyment of outdoor learning. Additionally, data suggests that the FieldSTEM Institute series offered in 2017-18 was even more effective than past efforts at fostering systemic, sustainable FieldSTEM at the school and district level, in part by engaging and preparing cohorts of teacher-leaders. The evaluation uncovered challenges stemming from teacher buy-in, competition for scarce planning time, and lack of communication and alignment between teachers and administrators.

9. **Major challenges faced by the program:** PEI is in great demand across the state and we are working hard to leverage funds and create new partnerships to support the staff capacity needed to meet the demand in a state as large and diverse as Washington.

10. **Future opportunities:** PEI is very excited about the future of FieldSTEM in Washington. Our Statewide Leadership Institute drew administrators from 17 school districts around the state who then committed to and sent nearly 100 teachers to FieldSTEM Teacher Leader Institutes. Our work in the coming year and beyond is to take these districts and schools from an exploration of FieldSTEM to a district/school of excellence at implementation. To promote this growth PEI will provide additional, more in-depth, professional learning opportunities on the FieldSTEM components and continuous support from our FieldSTEM Coordinators located in the regions where these districts are located. We know that the

work these districts do will inspire their colleagues and the demand for our services will increase.

11. Statutory and/or Budget language:

    Budget Proviso: SSB 5883 Section 513(22) - $500,000 of the general fund--state appropriation for fiscal year 2018 and $500,000 of the general fund--state appropriation for fiscal year 2019 are provided solely for the office of the superintendent of public instruction to contract with a nonprofit organization to integrate the state learning standards in English language arts, mathematics, and science with FieldSTEM outdoor field studies and project-based and work-based learning opportunities aligned with the environmental, natural resource, and agricultural sectors.

12. Other relevant information: A teacher recently commented in an evaluation "I love all that PEI stands for and does- for educators and therefore kids. I will always attend PEI workshops/trainings. Thanks so much for your incredible support of teachers ($'s, field lessons, availability) and forward-thinking!"

13. List of schools/districts receiving assistance: See OSPI website.

14. Program Contact Information:
    Ellen K. Ebert, Ph.D.
    Director, Learning and Teaching Science/Environment and Sustainability Education
    Past President, Council of State Science Supervisors
    Office of the Superintendent of Public Instruction (OSPI)
    600 Washington Ave. SE 98504-7200
    P.O. Box 47200, Olympia, WA 98504-7200
    Office: 360-725-4962
    ellen.ebert@k12.wa.us
    Office of Superintendent of Public Instruction