Teacher-Scientist Partnerships (TSP)

Invitations for teachers to design a solution to a proposed problem aligned with PNNL's mission





Introduction to scenario

hat)

Collaboration

Norms, Learner

techniques to

collect data

final presentation

Begin data analysis

- Reflections on NGSS
- Development of ideas for classroom impact

Teacher-Scientist Partnerships: 2019 Association of Washington Business Institute

"Greatest professional

development I have

attended in my 25 years.

Relevant to where I am

and my teaching of

students."



The Scenario

Evaluate options for reintroduction of salmon and steelhead above Chief Joseph and Grand Coulee dams: Examine different methods for tracking movements of fish; Incorporate elements from geology, chemistry, biology and engineering

Teacher Testimonials







"This specific scenario is ideal for my classroom, but better. Walking through the process of projectbased research as a student allows me the backbone of implementation."



Scientist Testimonials



"Giving back through STEM outreach has been a crucial component of my career. Participating in the AWB Teacher-Scientist Partnership helped improve my communication skills, and looking at our work from a teacher's perspective reminds me how cool the work we do really is! I especially enjoy working with teachers because the impact will be amplified 1000x as they carry this knowledge back to their classrooms."

Demographics*

impacted in future years

*Arrows indicate whether percentage is above or below state average

