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 MESA Institute





The Scenario

Environmental Impacts of Groundwater Storage System: Evaluate the effects of groundwater storage on land use, habitat quality, water quality, and fish; Incorporate elements from geology, ecology, botany, and data science

Teacher Testimonials





"I am in awe of your

collaboration and

partnerships. I always

thought of science as

being competitive. Your teamwork is inspiring."



"My thinking changed after working with the scientists/engineers by enabling me to see the bigger picture of where my instructional practices may benefit my students. I did not realize there are so many local issues to pull from in regards to project-based experiences and phenomena."



Scientist Testimonials



"Activities involving mentoring, outreach, and education have always been some of the most fulfilling work for me as a scientist. Working with teachers to help them prepare the next generation is a really special opportunity, both to assist the teachers and also to learn from their shared experiences and different perspectives."

Demographics*

impacted in future years

*Arrows indicate whether percentage is above or below state average

