

Incorporating Indigenous Perspectives into STEM Workforce Development

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Things to keep in mind

- Indigenous Perspectives
 - What does it mean?!
 - Incorporating TEK into STEM
 - Understanding TEK and how it is similar and different from STEM
 - Partnering **with** Indigenous communities
 - Sovereign nations, tribal organization, elders/tribal leaders, know history and protocol.....
 - Willing to be a lifelong learner!!
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Presenters



- Laura Conner, Ph.D. Research Assistant Professor and Gabrielle Vance, Project Manager, University of Alaska Fairbanks. **Bright Girls**
- Zanette Johnson, Ph.D. Intrinsic Impact Consulting. **Closing Gaps: Connecting Assessment and Culture to Increase Achievement.**
- Glenn Markel, Evaluator, Alaska Pacific University. **Preparing Responsive Educators using Place-Based Authentic Research in Earth Systems (PREPARES).**
- Rachel Byington, University of Wisconsin-Madison. **Earth Partnership: Indigenous Arts and Sciences – Connecting STEM to Native Science.**



Discussion & Questions

Discussion: 10 minutes

- Goals of ITEST project: from concept to design working with Indigenous communities.
- Best practices guiding your work with Indigenous communities: specific examples of collaboration.
- How did the project focus on using Traditional Ecological Knowledge (TEK) and community interests.
 - Ethics of using TEK, generate interest in STEM Ed., and workforce development.
- What priorities did the Indigenous community state and how incorporated.

Questions: 15 minutes

Whole group conversation: 25 minutes