

Indigenous Research Methodologies: Bicultural Accountability and the Protection of Community Health Knowledge

Changing Times: A New ERA in Tribal Public Health
2021 Health Conference

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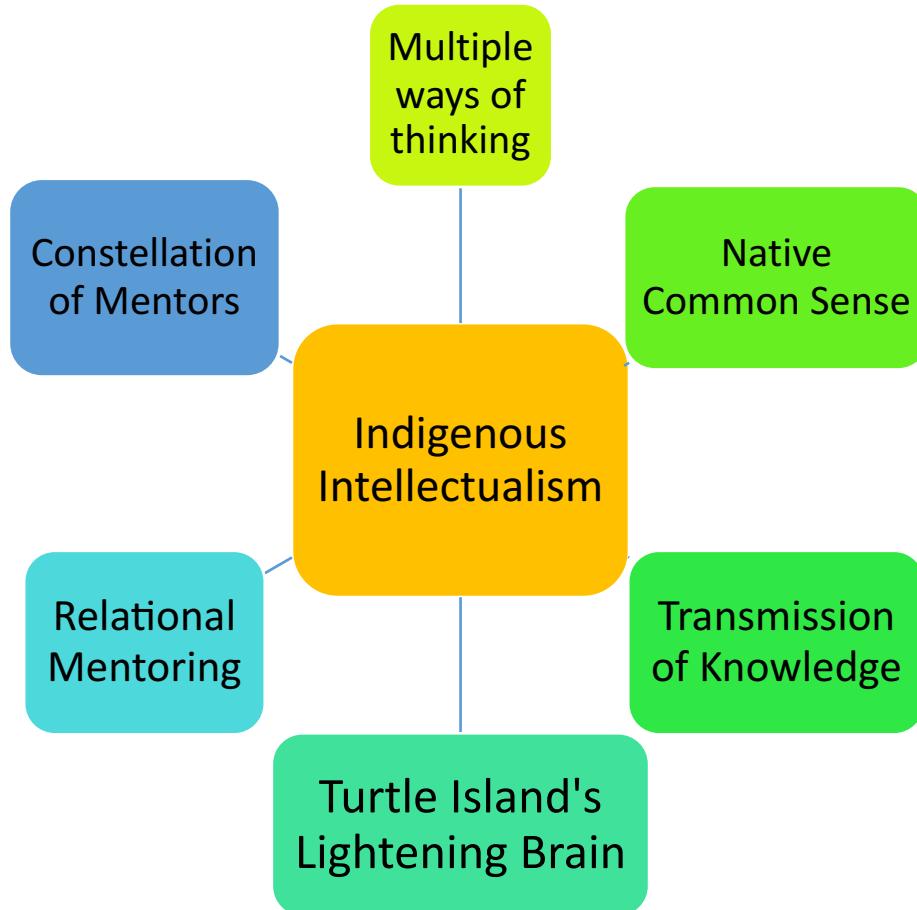
Cultural Protocol

- “Speak your language”
- Land Acknowledgement
- Recognize the Leadership
- Thank you, Rocky Mountain Tribal Leaders Council 2021 Health Conference

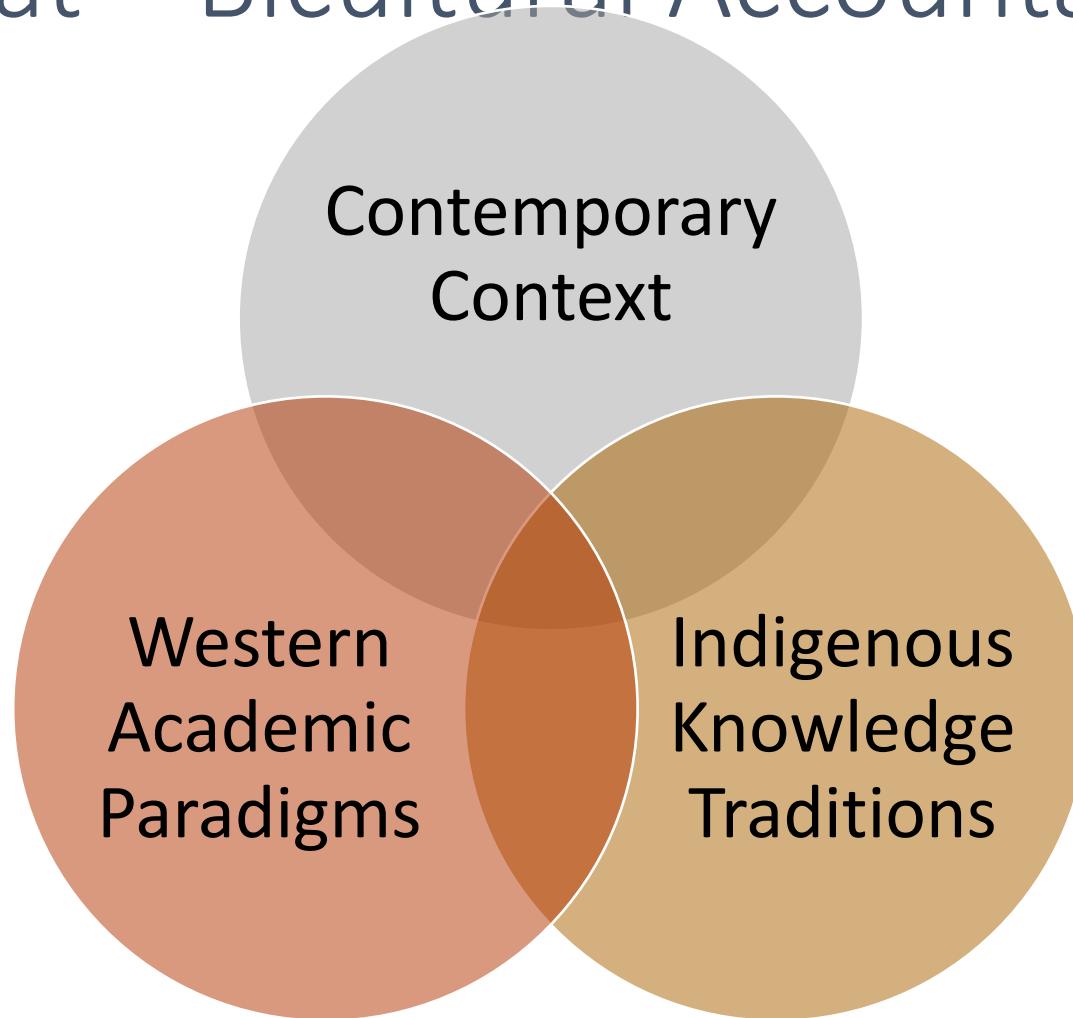
Introductions



Outline



Caveat – Bicultural Accountability

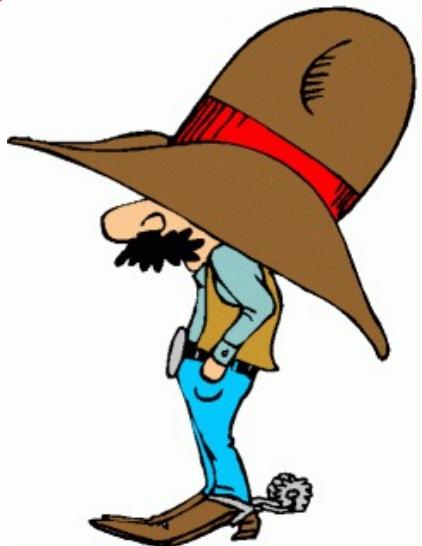


IEFA 2.0

- What can place-based/Native education look like in your school/community?
- Who carries the Indigenous Knowledge Traditions (IKTs) that apply to your science?
- How are we currently working with these knowledge carriers in ways that reflect the responsible and reciprocal transmission of knowledge?
- How are we educating in ways that are accessible?

Epistemological Pluralism

Many Ways of Knowing



Summer 2016



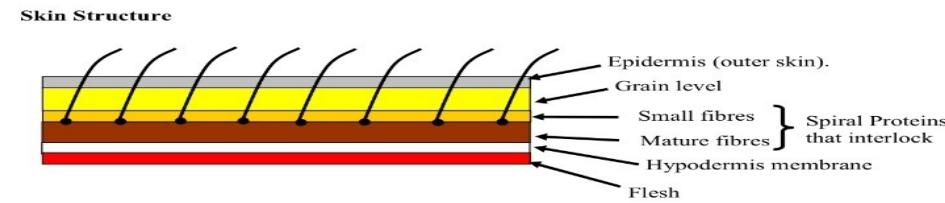
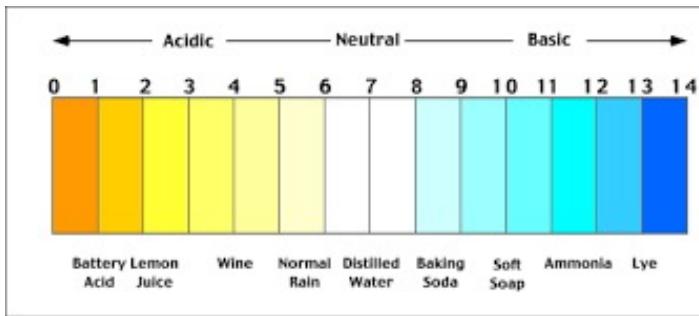
Holographic Epistemology – Native Common Sense



- Mental
- Physical
- Spiritual

Mental – Mind & Pedagogical Utility

- Understanding pH (potential of Hydrogen)



- Learning about “axon” and “myelin” (white fatty brain material) and skin structure. “Myelin” surrounds the nerve fibers (axons). This myelin is found in almost all long nerve fibers, and acts as an electrical insulation.



Physical - Body



Changing Physical Properties



Smoking – What happens if you don't?



Spirit – What does it mean to take a life?



Conceptualizations of Masculinity in an Indigenous Context



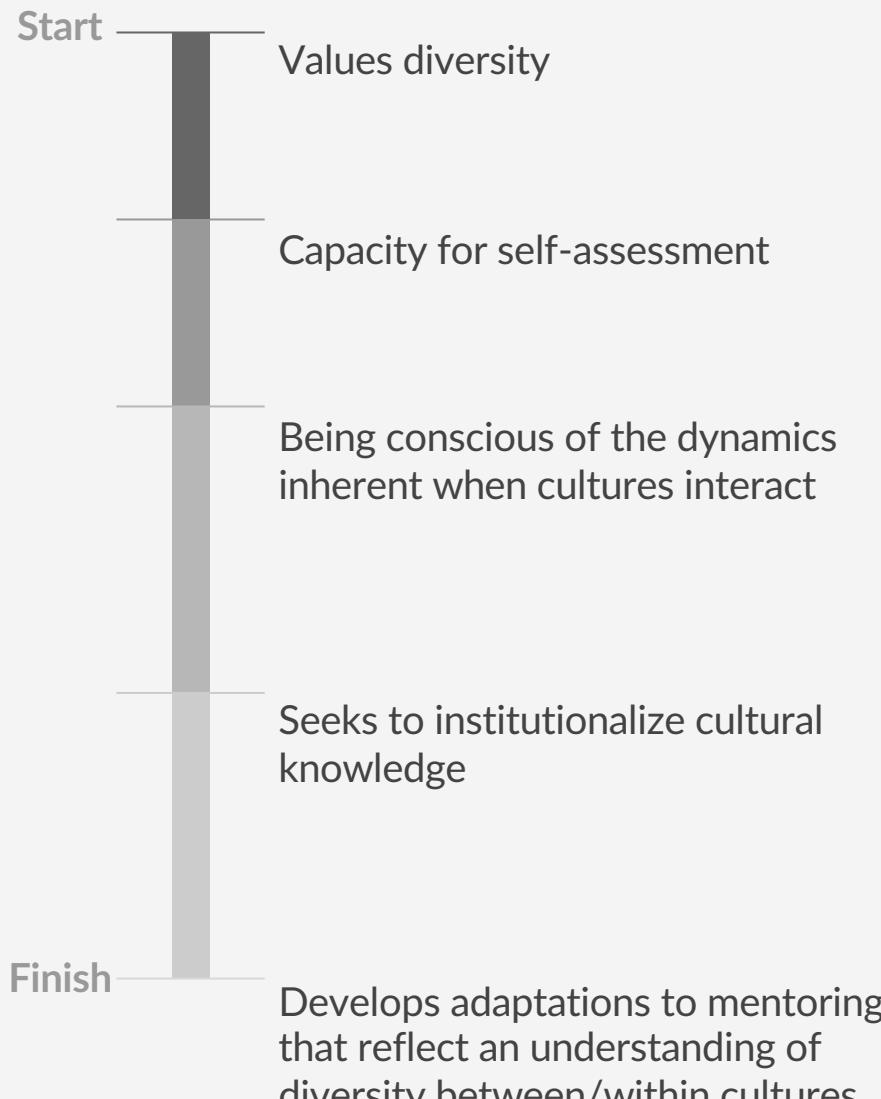
Indigenous Identity Continuum

- Tribal Member?
- Connection to Land?
- Phenotype?
- Language?
- Community Contribution?



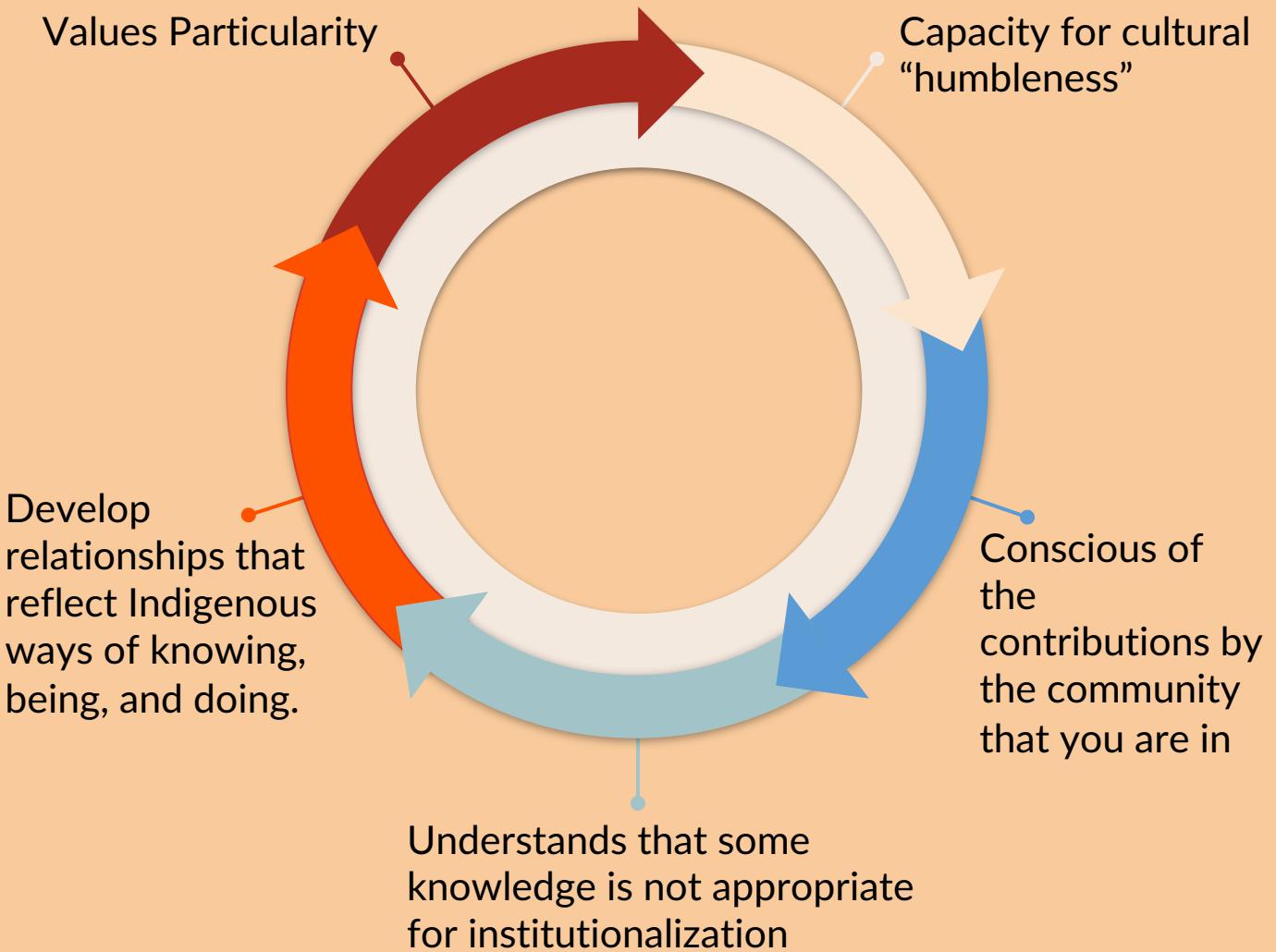
Cultural Competence

Grounded in Ethnocentrism



Cultural Humility

Grounded in Ethnorelativism





Epistemological Pluralism: *Many Ways of Knowing* - Toward Cultural Humanity
(Create Value by knowing your strengths and “manage up”)

Teaching and Learning Methods

- Culturally Relevant Pedagogy - (Ladson-Billings, 1995)
- Culturally Responsive Pedagogy (Cazden & Leggett, 1976; Gay, 2000)
- Culturally Sustaining Pedagogy (Paris, 2012)

*²³⁸⁴Paris, D. (2012). Culturally sustaining pedagogy: A needed change in stance, terminology, and practice. *Educational researcher*, 41(3), 93-97.



Perspective and
Experiential Proximity



Call to Action – Place Based

Community Triangulation



Pinamiya



[*https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjpVKmp0N3YAhVN3GMKHXcDDFEQjRwIBw&url=http%3A%2F%2Fmissoulian.com%2Fnews%2Fstate-and-regional%2Fyellowstone-proposes-bison-quarantine-on-fort-peck-indian-reservation%2Farticle_a536ca65-8063-55bf-bb6e-a08a6bb342ef.html&psig=AOvVaw2VdWAa0PljDtX8em-6pn74&ust=1516231409032688](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwjpVKmp0N3YAhVN3GMKHXcDDFEQjRwIBw&url=http%3A%2F%2Fmissoulian.com%2Fnews%2Fstate-and-regional%2Fyellowstone-proposes-bison-quarantine-on-fort-peck-indian-reservation%2Farticle_a536ca65-8063-55bf-bb6e-a08a6bb342ef.html&psig=AOvVaw2VdWAa0PljDtX8em-6pn74&ust=1516231409032688)

References

- Archibald, J. A. (2008). Indigenous Storywork: Educating the heart, mind, body, and spirit. UBC press.
- Brayboy, B. M. J. (2005). Toward a tribal critical race theory in education. *The Urban Review*, 37(5), 425-446.
- Grande, S. (2004). *Red Pedagogy: Native American Social and Political Thought*. Rowman & Littlefield.
- Joseph, D. H., & Windchief, S. R. (2015). Nahongvita: A conceptual model to support rural American Indian youth in pursuit of higher education. *Journal of American Indian Education*, 54(3), 76-97.
- Meyer, M. A. (2014). Holographic epistemology: Native common sense. In *Encyclopedia of Global Archaeology* (pp. 3435-3443). Springer New York.
- Smith, L. T. (1999). *Decolonizing Methodologies: Research and Indigenous Peoples*. Zed Books.
- Wilson, S. (2008). Research is ceremony. *Indigenous research methods*. Fernwood Publishing, Winnipeg, Manitoba CAN.
- Windchief, S., & Brown, B. (2017). Conceptualizing a mentoring program for American Indian/Alaska Native students in the STEM fields: A review of the literature. *Mentoring & Tutoring: Partnership in Learning*, 25(3), 329-345.
- Windchief, S., & Joseph, D. H. (2015). The act of claiming higher education as Indigenous space: American Indian/Alaska Native examples. *Diaspora, Indigenous, and Minority Education*, 9(4), 267-283