

1086-VE-726      **Charles Peter Funkhouser\*** (cfunkhouser@fullerton.edu), 231 Coursey Lane, Port Ludlow, WA 98365, and **Miles R Pfahl**. *Discovering Universal Connections in Mathematics through Native American Culture*.

This project develops and researches undergraduate mathematics materials based in the culture and mathematics of Native American Peoples for integration into undergraduate courses. Mathematics topics include probability, number theory, transformational geometry, and pre-service elementary and secondary education-related content. These materials—both paper and electronic—are classroom ready, and are developed, piloted and assessed in consultation with Tribes in the the Rocky Mountains, the Plains, the Pacific Northwest, and the Southwest—but are for both Native and non-Native undergraduates. This research is funded by NSF DUE TUES Type 2 award #1122823. (Received September 11, 2012)