

Collaborative to Improve Classroom Engagement and Outcomes for Native American and Rural Students



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Navajo Nation Human Research Review Board



CW-FIT Team



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Research Project Support



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University of Kansas
Research Project Support



CW-FIT – Classroom Management

- Class Wide-FIT is classroom engagement intervention program for K-8 that has:
 - Focuses on increasing positive engagement and reducing disruptions
 - Implemented nationally; this collaborative project centers Native-serving and rural schools
- There have been over 30 CW-FIT research studies in the last 15 years and it has been used in every state across hundreds of schools
- This grant will evaluate and expand culturally responsive implementation of CW-FIT across rural and native-serving schools.
 - Kansas, Oklahoma, Nebraska, Wyoming, Arizona, New Mexico, Colorado

Research Questions

1. What is the impact of CW-FIT on the academic performance, attendance, disciplinary events, social competence, and anti-social behavior for all students and target students in grades K-8 in rural and Native-serving schools?
2. What is the impact on classroom engagement practices, self-efficacy, and culturally responsive teaching for teachers in grades K-8 in rural and Native-serving schools who received CW-FIT training and coaching?
3. To what extent were the key support components of CW-FIT (teacher training, programmatic materials, coaching) delivered with fidelity across the multiple implementing cohorts of schools and classrooms?
4. Which adapted supports of CW-FIT did teachers use? What was their experience using them with respect to quality, relevance, and usefulness?
5. *Cost Analysis:* What was the cost effectiveness of delivering CW-FIT in rural and Native-serving schools?

Research Methods

Remote teacher training modules and live coaching sessions

- Pre- and post-teacher surveys
- Focus groups with teachers, school leaders, and community leaders
- Minimal risk; no individual student interviews

Navajo Cultural Values and Norms Connections with CW-FIT Research Project

Community Benefits

- Supports teachers' reflection on their culturally responsive teaching practices.

Culturally Relevant

- Ensure cultural relevance and respectful adaptation with focus on Ké which is focused on building relationships and using language and humor in a positive way to create a safe learning environment.

Teachers and Schools utilize the CRAIS Tool

Culturally Responsive Assessment of Indigenous Schooling-
Developed and Northern Arizona University

Data Sovereignty & Protections

Respect for Navajo Nation data sovereignty and governance

- Teacher-controlled participation in recordings and surveys
- Data is de-identified, securely stored, and aggregate-only in reports
- No data sharing of NN school data beyond NN-approved partners and purposes

Recruitment

- 2025-2026 Pilot Year
 - 5 Native-serving Schools from KS, OK, WY
 - Working with Prairie Band Potawatomi, Cheyenne & Arapaho Tribes, Northern Arapaho Tribe and Eastern Shoshone Tribe
 - Potentially 1 interested school left out of 6 total
- 2026-2027 Year 1, 2027-2028 Year 2, 2028-2029 Year 3
 - 40 Native-serving and Rural-serving Schools each year
 - 6-10 schools from Navajo Nation each year

Benefits to Schools and Communities

Free professional development and instructional materials

- Teacher stipends for participation
- All supplies are provided
- \$10,000 stipend for participating schools
- Led locally with ongoing communication and community updates

Led locally by Community Lead Researcher – DeLyssa Begay (Diné)

Ahéhee' and Questions?



- We value guidance and oversight from the Navajo Nation Human Research Review Board
- Committed to ongoing consultation and transparency
- We welcome your questions

What does the CW-FIT AI Coaching App Do?

Goal: Support Teachers with Real-Time CW-FIT Feedback

- Helps teachers implement CW-FIT strategies (e.g., praise, redirection, etc.) with greater fidelity.
- Uses AI to transcribe recorded classroom sessions and provide individualized feedback.
- Designed for rural, underserved, and Native-serving schools with limited teacher training and feedback capacity.
- Prioritizes ethical design, teacher autonomy, and cultural responsiveness.

Data Sovereignty in the CW-FIT AI Coaching App

Key Consideration	Problem / Question	Solution / Ethical Standard
Data Ownership	Who owns the recordings and transcripts?	Here, Data Sovereignty means Communities set the rules for access, use, and removal. Data are stored on KU servers, but ownership remains with the teacher and/or Community.
Consent and Transparency	Are there clear, revocable pathways to consent?	<u>Consent is ongoing</u> , not a one-time agreement
Storage and Retention	Audio: 7 days Transcripts: 30 days or user-managed Long-Term Storage: Active Logic (beta) → KU servers (long-term)	Storage is minimized by design to protect privacy and build trust. Users retain control over transcripts, and no data is stored beyond what's necessary for feedback and improvement.
Access Logs and Auditing	Who can see what and how the models used the data?	AI scoring is internal to KU and scored data are only viewable by authorized users based on teacher-controlled access permissions.
Cultural Protocol	Are there ways we are tailoring the general AI Coach to culturally specific content (praise, correction, speech) that will shape the AI model?	The AI Coaching App is being shaped with input from educators to reflect diverse classroom norms around the CW-FIT fidelities.
AI Use	Are there ways we are tailoring the general AI Coach to culturally specific content (praise, correction, speech) that will shape the AI model?	The AI Coaching App can assist but is not intended to override human and cultural expertise.

Research Methods



All Teachers	Intervention teachers	Coach	Students
Record 3 pre and 3 post 20-minute audio recording	Complete 1 ½ hour online micro credential training	Complete 1 ½ hour micro credential training	
Complete 3 pre and 3 post surveys on consented students EvsD SSIS and SSBS academic subscale	Implement CW-FIT in 1 class period 3 X a week for 6 weeks	Complete ½ hour zoom CW-FIT Fidelity training with KU staff	No activities
Complete 2 surveys pre & post teaching engagement practices Teacher Sense of Self-Efficacy (TSES) & Culturally Responsive Assessment of Indigenous Schools (CRAIS)	Share implementation video with school coach Review Coach Feedback	Review and offer fidelity feedback to CW-FIT Teacher	

Research Methods

- Remote Teacher Training with Micro-credential Modules and online Zoom Calls with Antonia or Staff
- Pre and Post Teacher Completed Surveys
- Focus Groups with Teachers, School and Community Leaders

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