

Angie Sexton

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[Angie Sexton | LinkedIn](#)

Professional Summary

Results-oriented education professional with extensive project management experience designing, implementing, and evaluating programs and initiatives. Skilled in strategic planning, policy development, and team leadership, with a strong ability to execute multistakeholder projects from concept through delivery. Experienced in integrating technology and STEM initiatives into education and community programs, while optimizing resources and timelines. Passionate about mentoring, developing policy, and delivering impactful results that align with organizational goals and serve community needs.

Education**Master of Education in Mathematics Education**

Northeastern State University, Tahlequah, Oklahoma — December, 2024

- Graduated Summa Cum Laude
- Thesis: "Integrating Thinking Classroom Strategies of Geometry and Measurement"

Bachelor of Science in Education

Northeastern State University, Tahlequah, Oklahoma — December, 1999

- Graduated Cum Laude
 - Endorsements: Math, Science, Social Studies, and Technology Integration
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Certifications

- **STEM Certificate in Education** — Northeastern State University, December, 2024
 - **Elementary Education** — State of Oklahoma
 - **White Belt in Six Sigma** – Educate 360, June 2025
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Professional Experience

STEM Instructor

College of Muscogee Nation, Okmulgee, Oklahoma — April, 2024 to Present

- Managed project timelines and goals for developing and delivering zero/college-level math and Introduction to Drones (UAS) course.
- Spearheaded policy development for UAS operations and safety protocols, aligning education initiatives with institutional and tribal guidelines.
- Lead faculty workshops and community education programs, developing and executing instructional initiatives from conception through delivery.
- Established clear project goals, timelines, and outcomes for new curriculum, securing stakeholders' buy-in and resources.

Math & Science Teacher

Various Public Schools, Okmulgee/Glenpool Region, Oklahoma — 2000 to 2024

- Managed multi-grade classrooms and implemented project-based and inquiry-based initiatives to align with state standards.
- Led cross-curricular team initiatives, designing and executing lessons and assessments alongside colleagues.
- Spearheaded technology integration to enhance delivery and student engagement.

Leadership

Chair, Unmanned Aerial System Risk Management Committee (URMC)

College of Muscogee Nation, Okmulgee, Oklahoma – January, 2025 to Present

- Lead a team of faculty and staff in establishing safety protocols, policies, and risk management strategies for drone use in educational settings.
- Spearheaded the creation of operational guidelines and safety measures that ensure safe drone practices, with a focus on the unique needs of tribal lands.

Lead Instructor, STEM Community Education Workshops

College of Muscogee Nation, Okmulgee, Oklahoma – July, 2024 to Present

- Designed and led workshops for community focused on STEM activities integrating drones, 3D printing, and soldering
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Projects and Research

Participant, Trails to Research

Montana State University, Bozeman, Montana — June, 2024 and June, 2025

- Designed and conducted research projects to study the effects of environmental toxins on zebrafish development, focusing on developmental abnormalities as indicators of water quality.

Current Research Projects

"Mathematics Through a Native Lens: Transforming Perspectives in Education" — April, 2025

- Explores the inclusion of traditional Native mathematical knowledge, such as geometry in weaving, patterns in beadwork, quinary (base 5) decimal (base 10) number system, to make math more relevant and meaningful for Native students.
- Examines how Native students often perceive math as disconnected from their cultural heritage and investigates how culturally responsive math instruction can shift these perceptions, demonstrating math's practical applications in their communities.
- Aims to design a curriculum that merges core mathematical concepts with Indigenous practices, such as using traditional navigation methods to teach geometry and algebra, making both relatable and culturally affirming for Native students.

Skills

- **Mathematics Instruction:** Algebra, Geometry, Calculus, Statistics, Trigonometry, and more
 - **STEM Integration:** Experience in applying STEM principles across disciplines
 - **Educational Technology:** Proficient in Google Classroom and Workspace, Desmos, GeoGebra, TinkerCad
 - **Curriculum Development:** Designing inclusive, challenging, and engaging lesson plans
 - **Assessment and Data Analysis:** Creating assessments, tracking student progress, and modifying instruction accordingly
 - **Communication and Collaboration:** Skilled in presenting material to diverse student populations and working collaboratively with colleagues
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Professional Development

- Attended UAS EXPO on Drone Education and Technologies, 2024
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Volunteer Experience

Grant Writer

Okmulgee County Humane Society, Okmulgee, Oklahoma — August, 2022 to August 2024

Foster Dog Caregiver

Okmulgee County Humane Society, Okmulgee, Oklahoma — August, 2022 to August 2024