South Dakota Research Ecosystem Network: Advancing STEM Education
- or -
"South Dakota E-CORE"

Award Period: May 2024 – September 2028

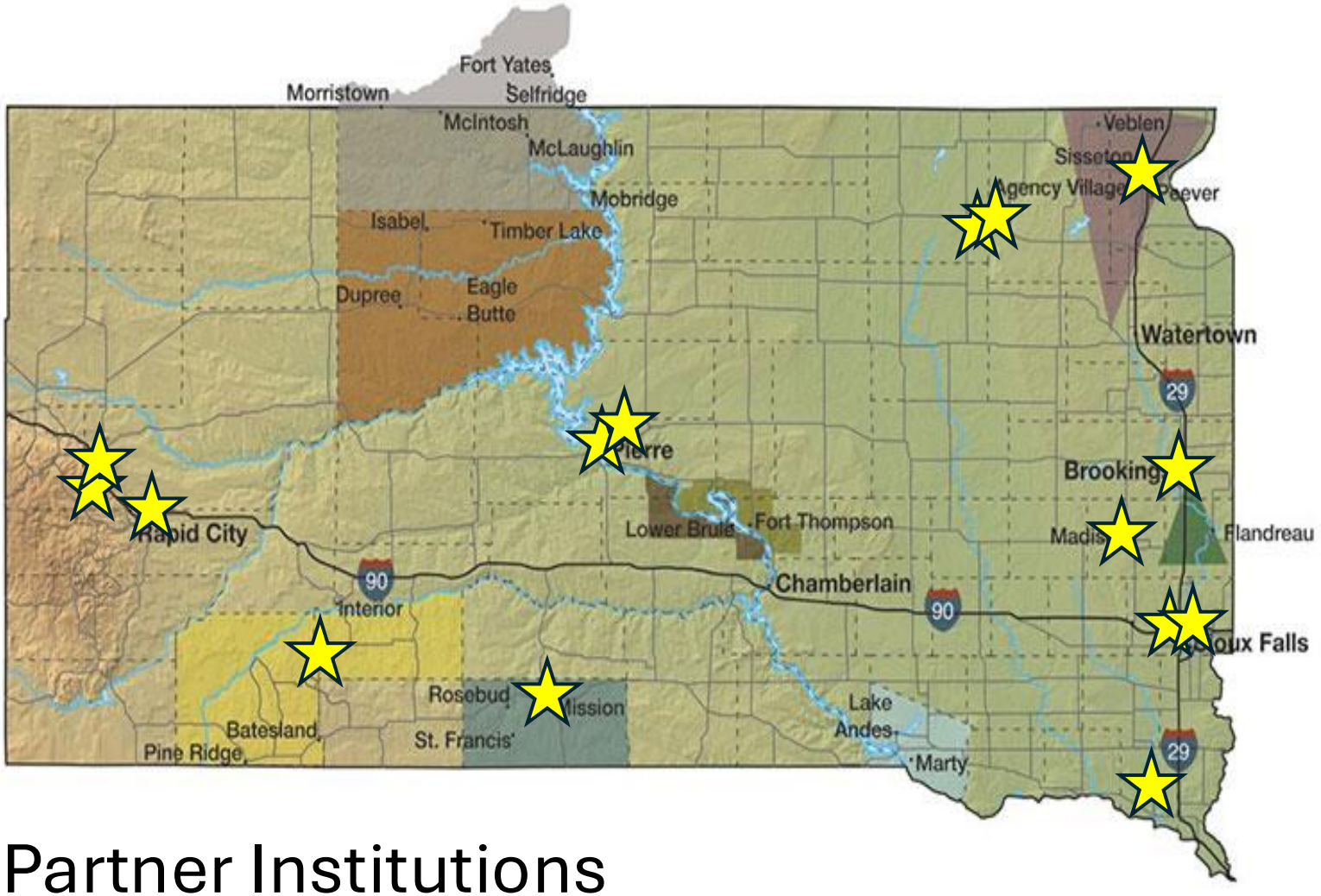
Mission

To build capacity and sustainable structures, systems, programs, and partnerships that foster high-quality STEM education in support of a vibrant research ecosystem across South Dakota.

Vision

This project envisions a South Dakota in which every student:

- experiences consistently rigorous, relevant, and engaging science, technology, engineering, and mathematics (STEM) instruction – across our geographically rural and culturally diverse state;
- graduates from high school well equipped to pursue STEM disciplines at the post-secondary level;
- recognizes the value of STEM to society; and
- knows that he or she could ultimately contribute within our STEM workforce.



Partner Institutions

SOUTH DAKOTA NSF EPSCoR
ADVANCING GEOGRAPHIC DIVERSITY IN STEM

Goals & Related Activities

1. Support of STEM researchers in science communication, education, and outreach
2. STEM Education Leadership (K-12 and post-secondary)
3. Broad-based K-12 teacher professional development
4. Broadening participation and strengthening student identity in STEM
5. Education research
6. Strengthening collaboration across the state
   - Connecting STEM educators and researchers
   - Understanding STEM education landscape
   - Catalyzing new proposals
   - Seed grants (current solicitation)