MN Data Science Professional Development Opportunity - RECRUITING GRADE 6 & 7 MATH TEACHERS – ASAP

Apply to be part of the *Supporting Teacher Enactment of the Probability and Statistics Standards* (STEPSS) study. This study is a randomized control trial with random assignment of participating schools using a waitlist control group design. In other words, about half of the participants will receive the professional development this fall, the other half in summer 2027. This is a **paid/stipend opportunity** to receive PD on the new Minnesota 2022 data standards and be part of a study in your classroom. Ideally, entire 6th and 7th grade math teams will apply. Do you know any grade 6 or 7 math teachers? Share this with them. Interested teachers must **apply by September 4**.

Supporting Teacher Enactment of the Probability and Statistics Standards (STEPSS) Replication Study FAQs

How can teachers get involved?

- Use the following link to apply: STEPSS Application Survey
- Additional district approval/consent document will be required in the coming weeks. The first step is for teachers to complete the above application survey to demonstrate interest.

What is the STEPSS program?

- The STEPSS program aims to improve mathematics teaching and learning in sixth and seventh grade with an emphasis on the data and probability strand.
- STEPSS is designed as a replacement unit. The replacement unit consists of two components:
    1. Curriculum unit (12 lessons)
    2. Professional Learning (4 days of in-person workshops for teachers)
- The curriculum unit addresses all the data and probability standards in the 2022 Minnesota Mathematics Standards for sixth and seventh grades.

What is the STEPSS replication study?

- The study uses a randomized controlled trial design with random assignment of schools.
- The STEPSS Replication study is funded by the Institute of Education Sciences (IES) through grant award number R305A240220.

What will be expected of participating teachers?

- Teachers apply to participate and complete the initial online surveys. (Summer/Fall 2026)
- STEPSS teachers attend four days of professional learning. (Fall 2026 or Summer 2027, depending on random assignment by Florida State University—FSU)
- Teachers in schools assigned to STEPSS in 2026-2027 implement the replacement unit in their classes (SY 2026-2027)

- Teachers upload videos of their statistics (probability and data reasoning) instruction. (SY 2026-2027)
- Schools administer a computer-based statistical understanding assessment to students (links provided by FSU) after the statistics unit is implemented in each class.
- Teachers complete post-intervention surveys outside of school hours after the unit is implemented.
- Teachers in schools assigned to the comparison group will continue with practice-as-usual teaching and professional learning in 2026-2027 and will have the opportunity to participate in the workshops and receive the curriculum materials in summer 2027.

What will participating schools and teachers receive?

- Evidence-based professional learning and instructional materials for teaching data and probability.
- Teachers will receive in-service training credit for their participation in professional learning.
- Participating teachers will receive $100 from FSU upon completion of the initial online surveys.
- Teachers will receive $1,000 compensation from FSU for attending 4 days of professional learning, uploading videos of instruction, and completing the online surveys after the unit is implemented.
- Participating teachers will receive an iPad and tripod to videorecord their data and probability lessons.
- Participating schools will receive a $1,000 gift from FSU.
- Coverage for hotel, mileage or rental car, and meal allowance will be provided for participating teachers who must travel 50+ miles to attend the workshops. Reimbursement for the cost of substitute teachers will be available to schools/districts as needed.

What evidence is there that STEPSS can improve teaching and learning?

- A previous randomized controlled trial in Florida found that the STEPSS program had a positive and statistically significant impact on classroom instruction and student learning in statistics.
    - Peer-reviewed article in *Learning and Instruction* (Open Access)
    - Making an Impact report on the IES Website
    - What Works Clearinghouse Review of the Previous STEPSS Study

Who can I contact for more information?

- Dr. Robert Schoen (FSU, principal investigator): rschoen@fsu.edu (850) 766-1333

Questions, reach out to the lead researcher, Dr. Robert Schoen (FSU, principal investigator): rschoen@fsu.edu (850) 766-1333