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NCTM Releases Case Studies that Support Improvement in High School Mathematics

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Reston, Va. — April 8, 2019 — Today the [National Council of Teachers of Mathematics \(NCTM\)](#) released several case studies that support improvement in high school mathematics as outlined in [Catalyzing Change in High School Mathematics: Initiating Critical Conversations](#).

A year ago, NCTM released the influential publication *Catalyzing Change*, which called upon all individuals involved with high school math to move forward with significant changes. The focus on high school math stems from flat high school mathematics achievement over the last 30 years compared to progress made at the elementary and middle levels. *Catalyzing Change* was developed by high school teachers, district leaders, university faculty and mathematicians and identifies the vexing issues that have long plagued high school mathematics education.

Catalyzing Change highlights key recommendations that have helped begin the critical conversations needed to change high school math:

- Eliminate student and teacher tracking
- Teach all Essential Concepts in mathematics
- Provide engaging and empowering mathematics instruction for every student
- Offer high school students continuous and meaningful four-year mathematics instruction

Each of the case studies focuses on an issue identified in *Catalyzing Change* and how the state, city or district is approaching the challenge:

- [Colorado's Use of the Essential Concepts](#)
- [Escondido Union High School District: A Systemic Approach to Change](#)
- [Louisiana: Intensive Algebra 1 Pilot](#)
- [San Francisco Unified School District: Work to End Student Tracking and Meaningful Math Instruction](#)

To learn more visit <https://www.nctm.org/change/>.

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About The National Council of Teachers of Mathematics

The [National Council of Teachers of Mathematics \(NCTM\)](#) is the public voice of mathematics education, supporting teachers to ensure equitable mathematics learning of the highest quality for each and every student through vision, leadership, professional development and research. With 40,000 members and more than 200 Affiliates, it is the world's largest organization dedicated to improving mathematics education in prekindergarten through grade 12. NCTM is dedicated to ongoing dialogue and constructive discussion with all stakeholders about what is best for students and envisions a world where everyone is enthused about mathematics, sees the value and beauty of mathematics, and is empowered by the opportunities mathematics affords.