

MATH and SCIENCE ADVISORY COUNCIL

Report to the
Legislative Education Study Committee
September 22, 2023



What is the MSAC?

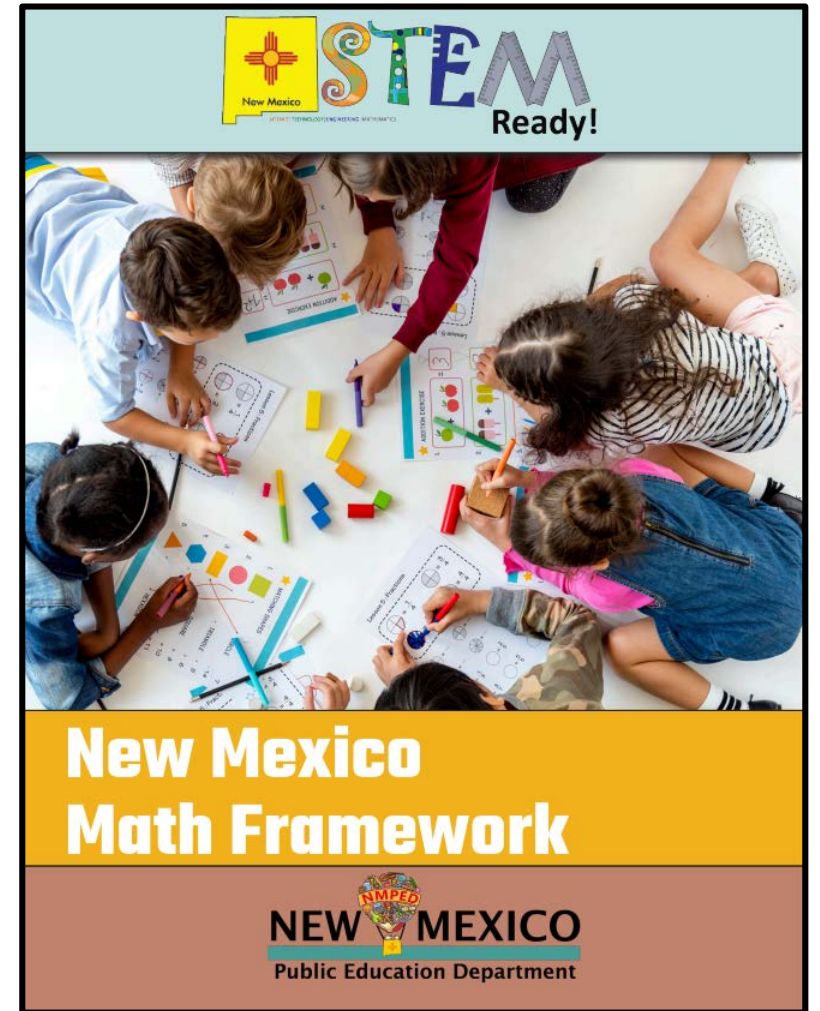
- Created by Statute in 2007
- Advises the Math Bureau, the PED, and the Legislature on matters related to improving mathematics and science education
- Creates an annual report
- Helps envision a strategy to improve STEM achievement in New Mexico

The Council includes:

- Four** members from public schools;
- Three** members from public post-secondary educational institutions;
- Four** members from the private sector, including the national laboratories, museums and science- and engineering-based businesses; and
- One** member who represents the New Mexico Partnership for Mathematics and Science Education.

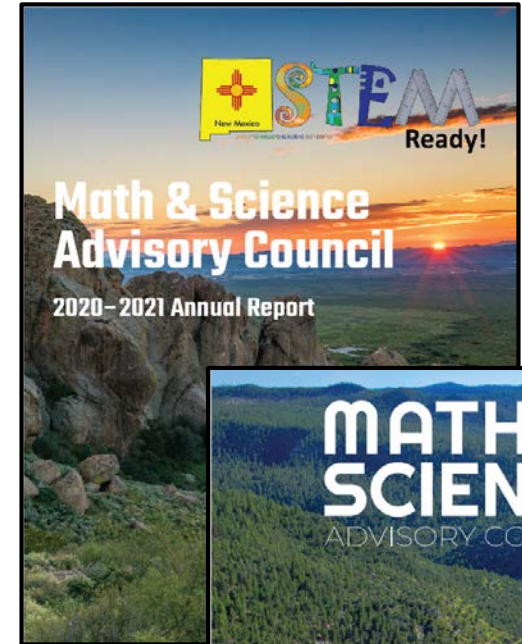
MSAC Work - NM Math Framework

- Provides guidance on the critical components that are the foundation to build, implement and strengthen math instruction in New Mexico
 - Leadership
 - Universal Instruction
 - Assessment for Learning
 - Professional Learning
 - Family & Community Engagement



The Math and Science Annual Report

- An annual K–12 statewide report on the state of Mathematics and Science progress, activities of the Math and Science Bureau that support mathematics and science education and recommendations to improve mathematics and science education.
- **2021-2022 MSAC Annual Report**



The Math and Science Past Critical Issues

Elementary Math Specialist Endorsement

Fund professional learning for the NM Math Framework

2023 Critical Issues for Math

The MSAC recommends that PED and the legislature continue to support mathematics education with the following:

- Develop and implement an early numeracy initiative similar to the “Structured Literacy” mandate
- Provide funding for an Elementary Math Specialist Endorsement stipend
- Provide teachers with high quality professional development to support student and teacher Math identity
- High school mathematics pathway stays within the rigor of CCSS-M and beyond