

Principles to Actions for Teachers

Although principles provide guidance and structure, actions determine impact.

Principles to Actions argues that ensuring mathematical success for all will take **teachers** who, among other actions—

- ◆ plan and implement effective instruction as described by the Mathematics Teaching Practices;
- ◆ develop socially, emotionally, and academically safe environments for mathematics teaching and learning— environments in which students feel secure and confident in engaging with one another and with teachers;
- ◆ evaluate curricular materials and resources to determine the extent to which these materials align with the standards, ensure coherent development of topics within and across grades, promote the mathematical practices, and support effective instruction that implements the Mathematics Teaching Practices;
- ◆ incorporate mathematical tools and technology as an everyday part of the mathematics classroom, recognizing that students should experience “mathematical action technologies” and physical or virtual manipulatives to explore important mathematics;
- ◆ provide students with descriptive, accurate, and timely feedback on assessments, including strengths, weaknesses, and next steps for progress toward the learning targets;
- ◆ work collaboratively with colleagues to plan instruction, solve common challenges, and provide mutual support as they take collective responsibility for student learning.

https://www.nctm.org/uploadedFiles/Standards_and_Positions/PtAExecutiveSummary.pdf