

THE EFFECTIVE MATH TEACHING PRACTICES (EMTP) FRAMEWORK

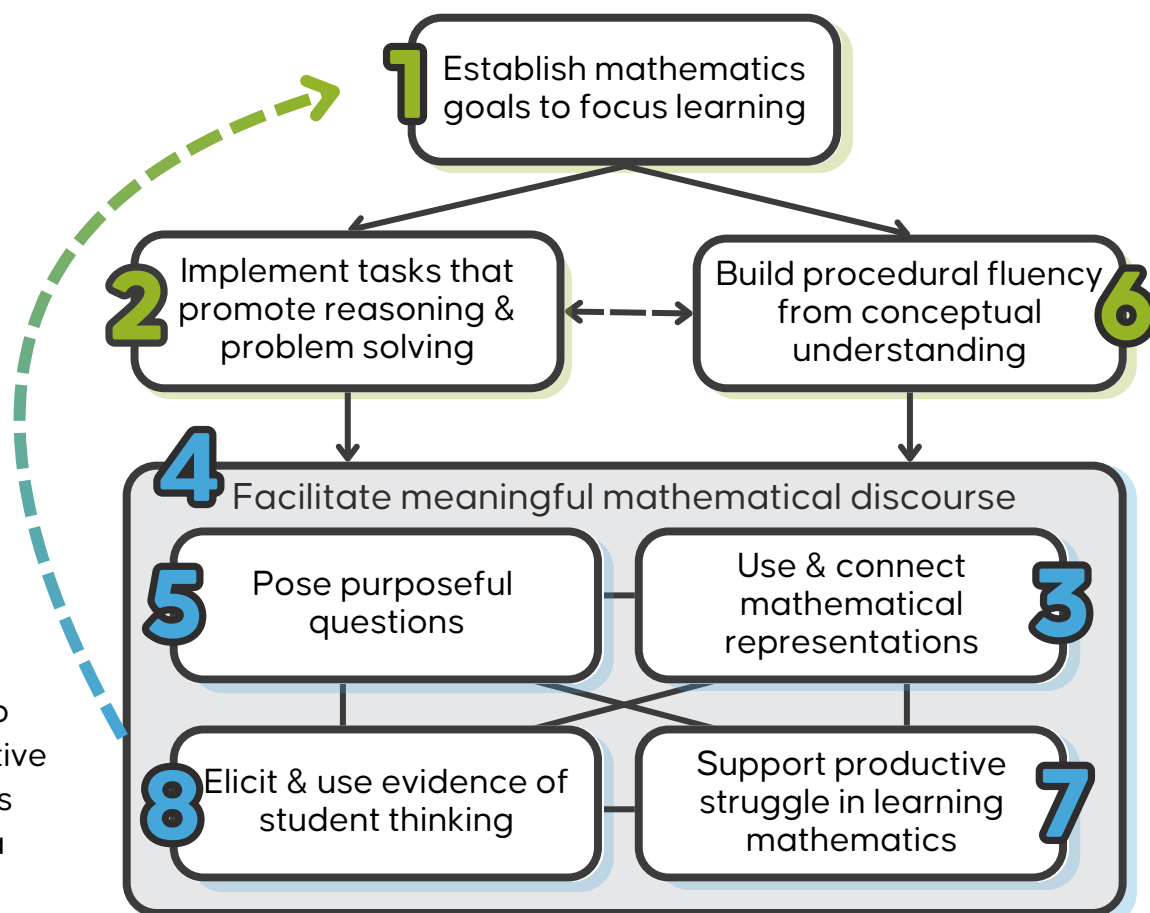
PLANNING AND TEACHING

Practices 1, 2, and 6 are essential for both planning and teaching. Setting goals and selecting tasks that require reasoning and develop fluency sets up the opportunity for meaningful discourse. With plans in place, effective teaching ensures students understand the lesson goal and have opportunities to reason, problem solve, and develop conceptual understanding and procedural fluency.

THE ENGAGING CLASSROOM

An engaging mathematics classroom embodies practices 3, 4, 5, 7 and 8. Effective math discourse provides a way for students to engage in discussions, reflection, and productive struggle. Effective teaching therefore, requires intentionally crafted questions, encouraging a variety of representations, and highlighting student thinking. This discourse also provides essential insights to support future planning.

Teachers apply these practices in order to support student learning and engagement.



Huinker & Bill (2017, p. 245)