

Early Mathematical Thinking Enhancement Project (EMTEP)

Abstract

The vision of the *Early Mathematical Thinking Enhancement Project* (EMTEP) is to implement high-level numeracy teaching and learning through the use of formative assessment. The EMT (Early Mathematical Thinking) screening tools provide evidence of student understanding in numeracy concepts, which, in turn, informs instruction.

Participating teachers receive a package of numeracy screening and interview tools that addresses the concepts of counting, place value, addition/subtraction and multiplication / division. The screening enables teachers to assess a student's current level of understanding in those areas.

Professional development for participating teachers includes training in the use of the EMT screening tool, guidance in interpreting and utilizing the screening results to inform instruction, and support in using research-based instructional strategies in the areas of numeracy and measurement.