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## Responsive Math Teaching: Instructional Model

Responsive Math Teaching Project

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## Responsive Math Teaching: Instructional Model

### Abstract

The Responsive Math Teaching (RMT) Instructional Model breaks high-quality math teaching down into seven core components:

1. Plan: Select or adapt an appropriate task, identify the mathematical goal(s), and anticipate possible solution paths and challenges.
2. Launch: Set up the task so that students understand the problem and can access the important mathematics.
3. Facilitate productive struggle: Support students to engage in authentic problem solving.
4. Make student thinking visible: Facilitate the sharing of student strategies and reasoning and engage students in making sense of each other's thinking.
5. Connect to the mathematics: Guide students to make explicit connections between their strategies and solutions and the key mathematical ideas.
6. Build and expand: Facilitate application and/or practice that builds off and extends students' current understanding.
7. Reflect: Engage students in connecting and consolidating their understanding of the mathematical ideas.

### Keywords

education, teaching, math, teacher learning, professional development, math education, mathematics, instructional model, math classroom, instruction

### Disciplines

Education

