Supporting Ongoing Achievement Responsively

Tools and activities designed to identify and support students’ mathematical understanding that is in need of further inquiry and development

SOAR Tool Kit

Includes all diagnostic tools and support actives. Tool Kits are designed for individual educator use.

The diagnostic tools are comprised of three parts: a set of survey questions, a monitoring checklist, and a tiered survey summary.

Each diagnostic tool can be used as a stand-alone diagnostic tool or as a follow-up to universal screeners in order to obtain a finer grain assessment of a particular student’s needs. Teachers specifically gain valuable data on their students’ ability to make sense of, represent, solve, and explain mathematical concepts.

Once a teacher has administered the diagnostic assessment, then they are ready to select applicable support activities from the set of activities.

Activities are designed to support student learning in multiple ways (e.g., extra support with representing word problem situations, determining useful problem solving strategies, or differentiating between solving different types of story problems and explaining how they solved a task and the relationships they understand.) The activities are designed to require students to think deeply about relationships and connections to the underlying meaning of the mathematics. Support activities do not consist of practice activities. They are intended to help students look at the structure of mathematics or to learn skills that they may not have learned in prior instruction.

Available for the following concepts:

- Number and Operations in Base Ten (Grades 1 and Up) (in development)
- Operations and Algebraic Thinking: Addition and Subtraction (Grades 1-5)
- Operations and Algebraic Thinking: Multiplication and Division (Grades 3 and Up)
- Number and Operations: Fractions (Grades 3 to 6)
- Ratios and Proportional Relationships (Grades 6 and Up)
- Expressions and Equations to Functions (Grades 6-H.S.)