



Add+VantageMR

INFORMED ASSESSMENT FOR MATH TEACHING

A Math Recovery Product

Add+VantageMR is a unique approach to professional development, assessment and teaching in mathematics. The Add+VantageMR Program is designed to provide teachers with efficient and effective assessment tools to recognize their students current understandings of number concepts, and to support data-driven instruction. The focus of the program is informed assessment. Instead of providing teachers with a large bank of activities, teachers utilize the resources they currently have. Add+VantageMR is not a curriculum; Add+VantageMR supports K-5 mathematics assessment and teaching through professional development and innovative approaches to understanding children's mathematical thinking.

Add+VantageMR Professional Development consists of two courses. The first course is a 4-day workshop addressing the development of local collegial teams to support on-going study. This course covers the Learning Framework In Number; the Add+VantageMR assessments for Number Words & Numerals, Structuring Numbers, and Addition & Subtraction; and the Classroom Instructional Framework for Early Number. The participant resource package includes the Add+VantageMR teacher handbook, three assessment kits, exemplary teaching settings, and the new Math Recovery Book 3, *Teaching Number in the Classroom: with 4--8-year olds*. The second course is a 2-day workshop that extends the frameworks to include place value and multiplication and division. Teacher resources and assessment kits include:

- Detailed diagnostic assessments to understand each child's level of proficiency with computation and number sense.
- Application of teaching strategies to guide development of mathematical reasoning.



Staff development can include an additional two (2) days focusing on the more advanced strands of the Learning Framework in Number and supporting teaching strategies. The Add+VantageMR professional staff development is based on the text, *Teaching Number in the Classroom with 4-8 year-olds* (2006) and also draws on the text of *Early Numeracy: Assessment for Teaching and Intervention*, (2nd Edn, 2006). Add+VantageMR is conducted by a US Math Recovery Council Certified instructor.

Add+VantageMR Course Description

Course 1:

The Add+VantageMR Course focuses on the use of diagnostic assessment to inform instruction. Teachers learn to administer and analyze 3 distinct diagnostic assessment tools. These assessments provide teachers with a detailed profile of their students' current understandings of Number Words and Numerals, Structuring Numbers, and Early Addition and Subtraction. The Learning Framework in Number provides stages and levels that pinpoint the child's understanding. This in-depth analysis provides the basis for designing instruction to accelerate children's learning. Participants will examine the Classroom Instructional Framework in Early Number and use this framework to reflect upon curriculum demands. Teachers explore how to organize the resulting data and to design lessons that reflect the range of understandings of their students. Exemplary instructional settings will be discussed and incorporated into differentiated lessons.

This 4-day course has no pre-requisites and is appropriate for classroom teachers, special education teachers, Title 1 teachers, para-professionals, administrators, and interested parents.

Course 2:

Add+VantageMR Course 2 expands beyond Course 1 into the Learning Framework in Number domains of place value and multiplication and division. Teachers learn how to administer and analyze two assessments. The place value diagnostic assessment yields a student's conceptual level for place value along with levels for the underlying skills needed for the complete development of place value understanding. The multiplication and division assessment yields a student's conceptual level for multiplication and division along with the levels for the underlying skills needed for the complete development of multiplicative understanding. Teachers examine the resulting data from these diagnostic assessments and explore how the data can inform differentiated teaching. Participants will examine select exemplary teaching settings to illustrate the informed approach to teaching.

Add+VantageMR Course 1 is a pre-requisite to Course 2. Course 2 is 2-day course.

For more information please contact:



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