

MATH

Nex²t Research and Professional Development Consortium

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Professional Development - Measurable Impact

MATHNext schools will be eligible to participate in competitive proposals submitted in the fall under ARRA federal 'Innovation' stimulus funding by the Business Coalition for Educational Excellence at the New Jersey Chamber of Commerce, with Rutgers Newark and the support of the New Jersey Department of Education.

Participation limited. Enroll TODAY.

MATHNext helps teachers understand how complex problems, given to students in classrooms where instructional practice is designed to support cognitive demand and emotional risk-taking, results in deeper levels of learning and increased engagement and persistence in learning math. **MATHNext** develops high-impact communities of practice.

Previous Results

Results from **MATHNext** indicate that teachers involved in the project for at least 30 hours during January-June, 2009:

- 1) significantly increased their content knowledge for teaching in critical areas of mathematics (e.g. geometry), as measured by Learning Mathematics for Teaching, a nationally validated assessment (University of Michigan),
- 2) incorporated more student-centered approaches in their mathematics instruction,
- 3) actively provided opportunities for students to solve mathematics problems with high levels of cognitive demand, and
- 4) had students whose engagement and persistence increased (measured by a field-tested instrument) when they solved math problems with a high level of cognitive demand.

Cost per school: \$15,000

(up to four math teachers, grades 6 - 9**)

\$17,000

(five or more math teachers, grades 6 - 9**)

Includes:

- ♦ three days of in-person workshops, with lunch and continental breakfast,*
- ♦ after-school webinars (one or two each month) and other technology-supported learning activities,
- ♦ opportunities to reflect on practice,
- ♦ pre-/post-assessments of content knowledge for teaching mathematics,
- ♦ multiple administrations of short questionnaires/surveys at the end of class that measure student engagement and persistence in response to different activities and instructional practices, and
- ♦ multiple site visits to review data and build communities of practice.

***Fees offset by a grant from the NJ Department of Education.*

**Districts cover costs for teacher release time and travel expense.*

Appropriate for Title I or ARRA funding.

Graduate credit from Rutgers University available.

Perfect foundation for educators writing dissertations or theses.

www.MathNext.org

609-989-8315

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