

Efficacy Study of Houghton Mifflin's *Math Expressions* Information for Interested Schools

Study Description

Cobblestone Applied Research & Evaluation, Inc. will conduct a research study to examine the Houghton Mifflin *Math Expressions* program in selected elementary schools in grades 3, 4, and 5 during the 2011-12 school year.

Teachers will be *randomly assigned* to the “treatment” group (using the Houghton Mifflin *Math Expressions* program) or the “control” group (continuing to use the school’s current math curriculum).



Math Expressions is an innovative program that interweaves abstract mathematical concepts with everyday experiences of students. Through the program students learn math and have fun by using objects, drawing, working with other students, connecting math to daily life, and helping classmates learn.

Incentives

The incentives to participating schools and teachers include:

- **Training:** Free training and product orientation for all “treatment” instructors selected to use the Houghton Mifflin *Math Expressions* program
- **Program materials:** Free Houghton Mifflin *Math Expressions* materials, including teacher edition and student edition textbooks
- **Product vouchers:** All participating teachers will receive a \$200 product voucher to use for Houghton Mifflin products

School Site Characteristics

In order to be considered for participation in the study, schools must meet the following criteria:

- Schools cannot currently be using the Houghton Mifflin *Math Expressions* program.
- Schools must agree to the random assignment of teachers to either the treatment group (using Houghton Mifflin *Math Expressions*) or control group (continuing to use the school's current math curriculum).
- Schools should have at least two teachers at each grade level (grades 3, 4, and 5).
- Schools must obtain district approval to participate in the study.

Data Collection

The study will require that students and teachers participate in a combination of pre/post surveys, assessments, and program implementation monitoring, including the following:

- Student pre-post mathematics assessments
- State testing scores in mathematics for participating students
- Teacher logs
- Teacher focus groups/ interviews
- Classroom observations
- Teacher surveys

As an independent research company we conduct scientifically rigorous studies while still working closely with schools to meet the unique educational needs of their students.



For more information about the study or eligibility requirements, please contact:

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