



# jump math<sup>TM</sup>

MULTIPLYING POTENTIAL.



Photo credit: Mark Kleinman

**What if every student and educator could find confidence and even joy in math? What if we could replace anxiety with achievement, making math a driver of academic success?**

JUMP Math envisions a world in which all children can succeed; not only those who appear to be genetically pre-wired for math. Advances in cognitive science show that the brain is far more plastic than previously suspected, which means that good instruction doesn't just change students' knowledge, it changes their brains and their ability to learn. Engagement in learning is the key to students' mastery of challenging content.

### **About the JUMP Math Approach**

JUMP Math's Guided Discovery approach is supported by multiple independent studies. Our meticulously scaffolded lesson plans developed by Ph.D. mathematicians are second to none in terms of mathematical rigor. However, their efficacy is also rooted in the insight that students who believe that effort can lead to success are more likely to develop to their full potential. Our goal is to enable all teachers (not only math specialists) to succeed at and enjoy math instruction so that all students can succeed.

### **About JUMP Math**

JUMP Math is a registered nonprofit, dedicated to helping teachers and students achieve their full potential. We see math education as a means to a more stable, prosperous, and just society.

### **Research**

Independent research shows that students using JUMP Math progress at up to twice the rate of students using mainstream math programs.

## How JUMP Math Works

- Clear lesson plans minimize preparation time and build deep knowledge and confidence.
- Guided discovery and Socratic questions lead students to explore ideas and discover concepts.
- Meticulous scaffolding and review ensure that students are prepared to succeed.
- In-the-moment assessment enables teachers to address challenges as they arise.
- Gradually increasing the complexity of language allows ELL students to succeed in math.
- Student resources avoid visual clutter, which can detract from learning.
- Innovative bonus questions keep all students energized and learning.
- Job-embedded professional development respects teachers' time and builds deep understanding of mathematical principles.

“JUMP Math demonstrates all the principles of good instructional design: 1) proper sequencing with step-by-step, manageable bite-sized pieces; 2) scaffolds that provide ways for teachers to support students as they move from one step to another; and 3) an emphasis on visual representations and patterns that make math concepts accessible. What JUMP Math does for teachers is create a way into pedagogical content knowledge ... and the practice materials with bonus and enrichment items are gold for a busy teacher.”

– Harriet Fayne, Dean, Lehman College, School of Education, CUNY



Photo credit: AKA Photography

## Program Components

- Full program materials for Kindergarten to grade 8
- Teacher resources, including:
  - » user-friendly lesson plans
  - » advanced problem-solving lessons (grades 3 to 8)
  - » modifiable quizzes and tests
  - » scoring guides and rubrics
  - » answer keys (grades 3 to 8)
  - » Common Core curriculum correlations
- Interactive whiteboard materials
- Student Assessment & Practice books
- Confidence Building Units
- Professional development, coaching, and support



**jump math™**  
MULTIPLYING POTENTIAL.

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