

DISCOVER MATH™

DEVELOPED BY STEVEN TRUCH, PH.D., FOUNDER, THE READING FOUNDATION, CALGARY, ALBERTA, CANADA

WHAT IS DISCOVER MATH™?

Discover Math is a comprehensive program that focuses on teaching math concepts, operations, and processes. This program provides an avenue for developing comprehension, language expression, and logic and reasoning skills as the math concepts and skills are taught.

Discover Math:

- Is multisensory in nature and based on unique learning principles
- Uses manipulatives, language, and mental imagery extensively to provide an understanding of all math operations and concepts
- Covers all content areas in the math curriculum
- Integrates and applies understanding to problem solving

WHO IS IT FOR?

Children, teenagers, and adults who require development or refinement in their understanding of mathematical concepts, arithmetic, and their applications.

HOW CAN IT HELP?

Students who struggle with math often try to learn math calculations and processes by rote memory without really understanding what they are all about. As a result, they have inconsistent performance and are unable to catch and/or correct their errors. They don't really understand how math works so it becomes something to avoid. This program will allow students to apply and use what they have learned in previous programs. Through Discover Math, students learn the basics of how numbers work. It is not just about "doing" math, but about understanding it.

HOW DOES IT WORK?

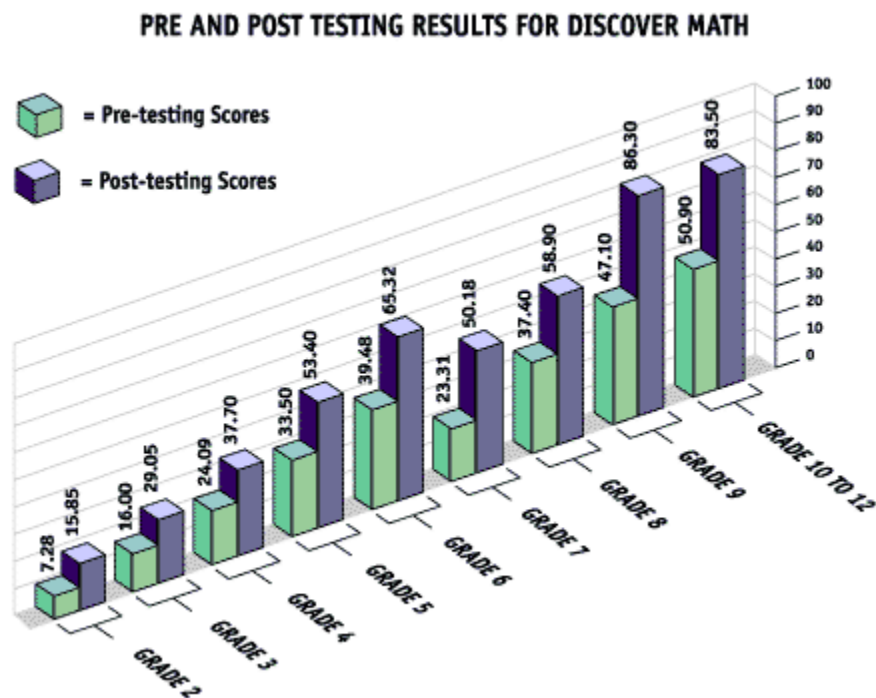
Discover Math uses manipulatives, visualizing, and dialoguing to create a firm understanding of concepts and processes, develop reasoning skills, and allow students to figure out any part of math that they need to. Applying concepts to problem solving is done in a natural progression throughout the program. Repetition and reinforcement are used only after a concept is understood. Students learn to think logically through math processes, prove their answers, and verbalize their rationale; improving reasoning skills, expressive language, and math proficiency.



RESEARCH AND DEVELOPMENT

The research and development for the Discover Math™ program began in 1992 at The Reading Foundation in Calgary, Alberta, Canada, founded by Dr. Steve Truch. Intensive one-on-one work with students began soon after in 1993 in Calgary. The documented and published results were very positive and encouraging.

Discover Math® was also introduced to a group of California teachers by The Reading Foundation in the summers of 1999 and 2000 under a special program. Results from this project showed that the Discover Math® Program could be successfully implemented with groups of students. Again, results were very encouraging.



All gains are statistically highly significant.
(A detailed report is available upon request from office@readingfoundation.com.)