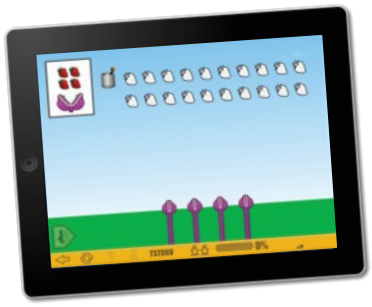
ST Math K-6

ST Math® - The Leader in Visual Learning in Mathematics

ST Math® is the leader in visual learning in mathematics delivered through instructional software. Based on applied neuroscience research, Spatial-Temporal (ST) Math engages students in developing a deep conceptual understanding of mathematics by manipulating visual models to solve problems in a self-paced, mastery-based environment. The ST Math program family ensures that all students have access to rich content that drives critical thinking.

ST Math includes embedded assessments, detailed reporting of student learning patterns, and interactive whiteboard functionality. ST Math is aligned to Common Core and state standards, integrates with core instruction, and is accessible on desktop or laptop computers and on supported tablets, enabling anywhere, anytime learning.

ST Math: K-6 contains an on-grade-level curriculum for each grade level.



- Moves all students, including English Language Learners and Special Education students, towards reaching deep conceptual understanding of math topics.
- Aligns to Common Core and state standards.
- Complements core curricula, giving teachers the opportunity to connect models from the software to procedures and math symbols taught in the classroom.
- Contains pre- and post-quizzes for each learning objective in grades 2 through 6 for progress monitoring and to support teacher's understanding of student learning on each objective. Kindergarteners and 1st graders do not take quizzes.
- Includes reports that provide teachers with data that can inform teaching decisions.
- Has a proven impact on student math achievement from kindergarten through grade 5, with the same results expected for the new grade 6 curriculum.

What is the **ST** in **ST Math**?

Born out of neuroscience research at the University of California, Irvine, the visual approach MIND Research Institute uses in the development of ST Math accesses the brain's innate "spatial-temporal" (ST) reasoning ability. This ability, which lies at the core of innovative thinking and sophisticated problem-solving, allows the brain to hold visual, mental representations in short-term memory and to evolve them in both space and time, thinking multiple steps ahead.

JiJi®

What Does ST Math Offer Students as The Leader in Visual Learning in Mathematics?

Visual Learning
Teaches students mathematical concepts through manipulating interactive visual models found in ST Math's richly animated games to solve problems.

Learning Paths
Provide carefully structured sequences of math content that move from the visual models to incorporating mathematical symbols and language, scaffolding to move students through with a desirable level of difficulty.

Real-time Informative Feedback
Enables students to make predictions about the visual models and to "learn by doing" based on the feedback that adapts to each student answer, showing why the solution was correct or incorrect.

Intrinsically Motivating Problem Solving
Builds students' intrinsic motivation as they experience success in solving challenging problems, making learning math fun as students experience success and take ownership of their learning.

Learning Never Stops

Whether using ST Math on a device at school, as the center of a discussion in the classroom, or at home to complete assigned homework objectives, learning never stops with ST Math.

ST Math: K-6 Content Sampler

Based on Common Core State Standards Alignment.
ST Math is also aligned to individual state standards.

Kindergarten
- Counting and Numbers
- Understanding Addition and Subtraction
- Greater Than, Less Than, Equal To
- Foundations of Place Value
- Shapes and Position
- Sorting and Classifying

Grade 1
- Addition and Subtraction
- Place Value Concepts
- Comparing Numbers
- Equal Shares and Partitioning
- Creating Composite Shapes
- Measurement Concepts

Grade 2
- Place Value Bundles
- Addition and Subtraction Situations
- The Number Line
- Equal Shares and Partitioning
- Time and Money
- Composing and Decomposing Numbers

Grade 3
- Multiplication and Division Situations and Relationships
- Fractions
- Rounding and Place Value
- Concepts of Area and Perimter
- Volume, Weight and Time
- Number Patterns

Grade 4
- Extending Place Value
- Fraction Addition and Subtraction
- Patterns in Number and Shape
- Comparing and Rounding
- Angles, Lines and Symmetry
- Fractions and Decimal Notation

Grade 5
- The Place Value System
- Operations with Whole Numbers and Decimals
- Fraction Multiplication and Division
- The Coordinate Plane
- Patterns and Relationships
- Comparing and Rounding Decimals

Grade 6
- Proportional Relationships
- Fraction Division
- Properties of Operations
- Negative Numbers
- Coordinates and Distances
- Decimal Operations

Technical Requirements

iPad

Works on Macs, PCs, and Chromebooks.
ST Math is also available on iPad 2 and newer, and most Android tablets.

A high-speed Internet connection is required.
For detailed technical requirements, visit our website.

888.751.5443
info@mindresearch.net
www.mindresearch.net

MIND Research Institute
A neuroscience and education nonprofit

MS-K6-002-140521