

What is ST Math®?

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.

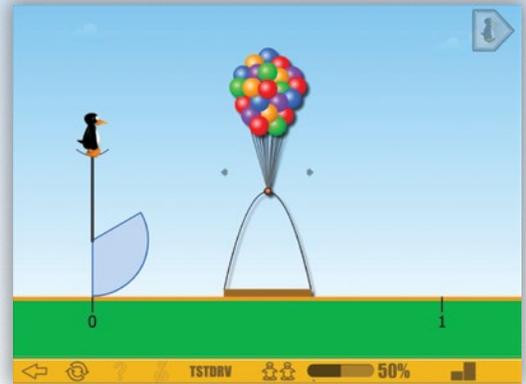


How does ST Math align to our states' College and Career Ready Standards for Mathematics?

The MIND Research Institute designed ST Math to align to the College and Career Ready Standards in both content and intent, ensuring that all students have access to powerful learning opportunities necessary to succeed as learners in the 21st century. In addition to the content standards, the mathematical practices and processes--including critical thinking, problem solving and communication--are embedded throughout the program. ST Math is genuinely a new way for students to learn math conceptually and with understanding that is not based upon a prior textbook or other more traditional methods.

How does ST Math engage students directly in problem solving, using concrete, real-world scenarios, and aid in the development of abstract thinking?

The game nature and interactivity of ST Math have proven extremely engaging for students. The games and puzzle screens are purposefully free of distractions so that students' focus is on the mathematics and working memory can be utilized doing problem solving and reasoning. The intrinsic drive to beat a game creates persistence in problem solving. The students know that these games get to highly challenging levels requiring multi-step problem solving. So when they win, they know they have earned their way forward which helps build their confidence.



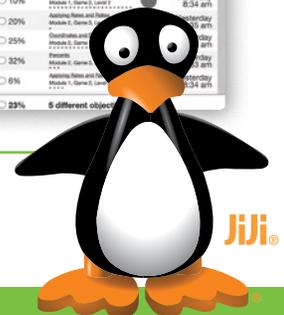
What types of progress monitoring is available in ST Math?

Teachers and district administrators can access real-time reports about each student, including objective progress and standards mastery. The reports use a simple visual cue to alert teachers about any student struggling with a given topic. Teachers can quickly determine which students need assistance as they begin a class session. They can also use the reporting tool to identify groups of students by their current game or level or for specific remediation. These reports are aggregated and provided at the school and district level.

Student	School Sessions	Home Sessions	Syllabus Progress	Standards Mastery	Current Objective	Last Session
William Allen	24	15	50%	45%	Number Systems	Yesterday 8:33 am
Jennifer Ballentine	24	14	41%	33%	Fractional Equations	Yesterday 8:35 am
Young Kim	24	9	38%	20%	Adding, Subtracting and Multiplying Fractions and Mixed Numbers	Yesterday 8:35 am
Jason Lee	23	31	40%	31%	Number Systems and Fractions	Yesterday 8:31 am
Reynaldo Montoya	22	10	33%	26%	Number Systems	Yesterday 8:31 am
Mark Nicholson	24	9	37%	30%	Coordinate and Distance	Yesterday 8:31 am
Kathryn Plinsky	2	0	0%	0%	Number Systems	3/12/13 8:33 am
Paul Reyes	20	13	27%	20%	Fractional Equations	Yesterday 8:32 am
Arya Samuelson	24	11	40%	20%	Number Systems	Yesterday 8:35 am
Michael Smith	20	9	28%	10%	Adding, Subtracting and Multiplying Fractions and Mixed Numbers	Yesterday 8:34 am
Danielle Thorson	24	9	38%	20%	Coordinate and Distance	Yesterday 8:35 am
Megan Tully	24	12	33%	25%	Number Systems	Yesterday 8:35 am
Jorge Voltaggio	24	13	41%	32%	Number Systems	Yesterday 8:35 am
Cindy Vuong	9	0	10%	6%	Number Systems and Fractions	Yesterday 8:34 am
Class Average:	17	17	32%	23%	5 different objectives	

What platforms does ST Math run on?

ST Math runs on desktop and laptop computers, tablets, netbooks, and interactive white boards. More information on the technical requirements for ST Math can be found at www.mindresearch.org/programs/tech.



MIND
Research Institute

A neuroscience and education nonprofit

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Play!

Experience ST Math by playing sample games.
<http://bit.ly/16Hv4rA>

