

# CLOSING THE LEARNING EXPERIENCE



The gap we hear about the most is the achievement gap. Consider, though, that to bridge the achievement gap students need learning experiences that change their perceptions about math and themselves. What if students looked forward to math? What if all students could see themselves as capable and creative problem solvers? Imagine the impact on achievement.

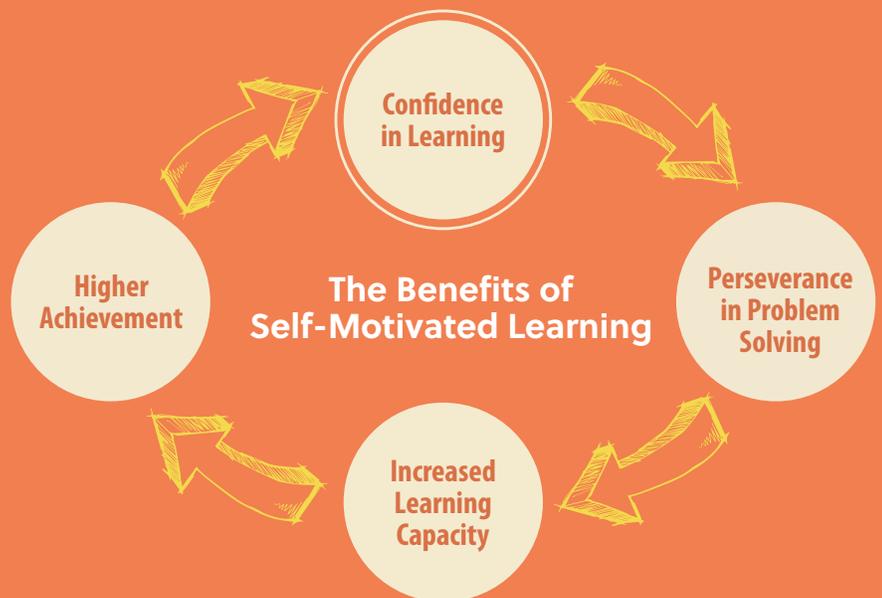
## Learning by Playing

Game-based math instruction offers students the opportunities to have rich and transformative learning experiences doing what they love to do: play!



## Building Self-Motivation

With well-designed learning games, students are intrinsically motivated to keep trying. They persist because they want to and believe they can succeed. As students persevere in problem solving, they develop a belief in themselves that has powerful effects on learning.



## ST Math: Playing the Way to Deeper Learning

The ST Math game-based learning program guides students of all levels in visualizing math concepts through tantalizingly tricky puzzle challenges. As students play, they gain a strong conceptual understanding and develop a love for math and the rigors of problem solving.

Designed by experts in neuroscience, these brain-building learning experiences provide all students the opportunity to become confident and creative problem solvers and to reach higher levels of math achievement.



**2/3** of ST Math schools  
have **Title I** schoolwide programs

Schools using ST Math have  
**doubled or tripled**  
their growth in math proficiency



# ST Math Provides All Students with Transformative Learning Experiences

## The Power of Visual Learning

Interactive visual models let all students engage in complex mathematical problem solving. Students receive comprehensible input on screen, without unnecessary distractions, that guides them in constructing the meaning behind the math.

## Intrinsic Motivation for Problem Solving

ST Math leverages students' love for gameplay to foster an enthusiasm for mathematical problem solving.

## Scaffolded Learning Paths

Carefully constructed math content sequences gradually introduce mathematical symbols and language while increasing the level of rigor in order to expand students' schema of knowledge.

## Immediate and Informative Feedback

Richly animated puzzles show students the consequences of a chosen solution immediately after each attempt. This real-time feedback activates the mind's natural perception-action learning cycle, allowing students to adjust their thinking and learn from mistakes.

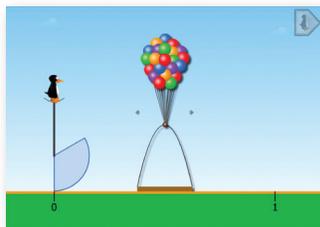
## Curriculum Connections

ST Math aligns to mathematical content and practice standards for each state. Teachers receive the instructional support they need to facilitate deep and engaging learning experiences.

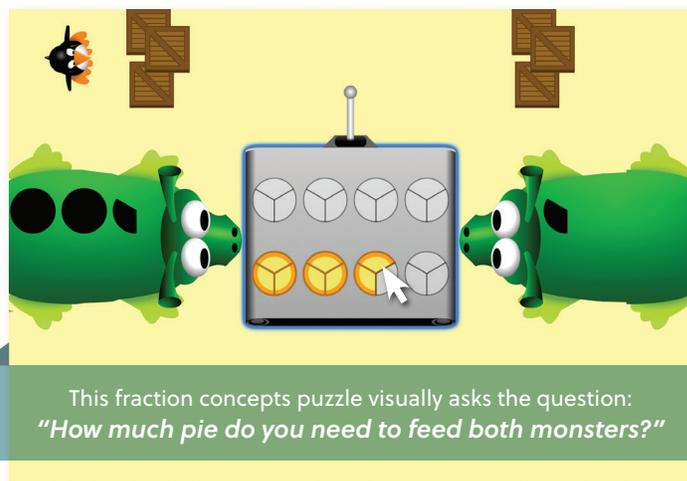
## Find Out More About ST Math



Watch **What Is ST Math**  
[bit.ly/STMathWelcome](http://bit.ly/STMathWelcome)



Play the **ST Math Demo**  
[bit.ly/STMathDemo](http://bit.ly/STMathDemo)



This fraction concepts puzzle visually asks the question:  
"How much pie do you need to feed both monsters?"

