



Grades 3–Algebra 1

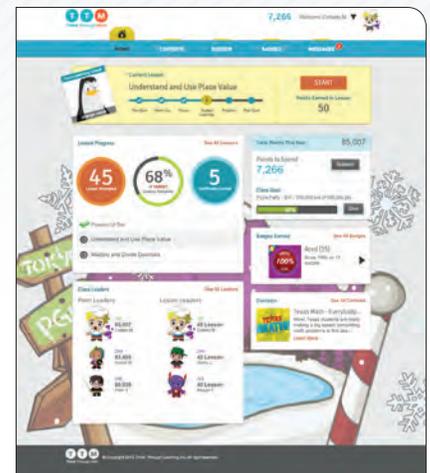
WEB-BASED MATH DIFFERENTIATION

Think Through Math is a groundbreaking adaptive math solution for the Common Core. Designed for students in grades 3 through Algebra I, the program builds students' confidence and competence in mathematics, while providing unprecedented differentiation to ensure success. Our mission: meet the rigors of the Common Core and accelerate students to grade level.

An Effective Transition to the Common Core

Switching to any new standards is hard, but the transition to the Common Core State Standards may be even more challenging. For starters, their aim is higher than that of previous standards. They have a new organizational structure. And they call for different practices than past standards.

As students encounter unfamiliar content and methodology for the first time, they need an adaptive program to help them succeed. Think Through Math provides the ingredients for a smooth and effective transition. With a powerful blend of built-in adaptivity, high-quality instruction, and unprecedented differentiation, Think Through Math deepens conceptual understanding and accelerates students to grade level.



Toward Greater Focus and Coherence

Think Through Math is built on the principle that there is a structure and coherence to mathematics. Conveying this concept to students is the key to helping them apply their understanding to new topics. The program utilizes Common Core Learning Progressions—an approach that equips students with the knowledge and confidence they need to successfully transition to more rigorous content.

Understanding Mathematics: Common Core Pathways

Think Through Math deepens understanding and skill proficiency by focusing on the essential skills and concepts needed to unlock advanced mathematics. Students follow a personalized lesson pathway that charts a clear, focused progression toward algebra and beyond. Because the system is adaptive, it can modify pathways to target individual needs and, if necessary, provide precursor lessons that ensure success at grade level.

UNPRECEDENTED DIFFERENTIATION

Personalized Instruction

Research shows that learners make the most progress when they work in their zone of proximal development, rather than be faced with material that is too challenging. Think Through Math offers unprecedented personalization, providing lesson pathways that meet individual needs.

A Teacher for Every Struggling Student (Literally)

As students work independently on the computer, the program continuously collects performance data, modifies learning pathways, and provides immediate corrective feedback at every step. Best, students receive just-in-time support from state-credentialed teachers—precisely when they need it. **In English or Spanish!**



Support in Spanish

We know that students who are learning English do best when they have scaffolding that supports their learning. Think Through Math incorporates a wide range of tools that support second-language learners: visual, auditory, simple language, meaningful practice, translations and lessons structured in consistent ways.



Unprecedented Motivation

Many students are significantly stressed or fatigued by mathematics. Too many have never experienced success with math and have given up. Think Through Math motivates students to do more math both during and after school with its uniquely 21st century motivation system—a powerful blend of intrinsic and extrinsic motivators. The system is based on a single idea: **reward effort.**

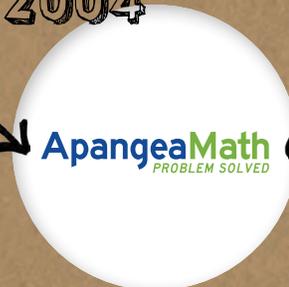
A HISTORY of RESEARCH

1993



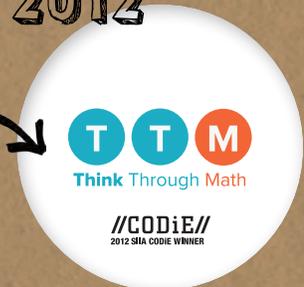
- Research Foundation
- Led by the U.S. Air Force Research Laboratory
- 10-year Study
- 30,000 Students

2004



- Web-based
- Live Teachers
- 250,000 Students
- Grades 6 – 8

2012



- Web-based
- Live Bilingual Teachers
- Rigorous Instruction
- Meaningful Practice
- Unprecedented Support
- Grades 3 – Algebra I
- Award-winning Content

TTM TECHNICAL REQUIREMENTS

SYSTEM	Minimum	Recommended
Operating System	Windows XP Mac OS X v10.4	Windows 7 Mac OS 10.5 or later
Note: iOS (iPad, any version) is only supported for Teachers/Administrators, but not for TTM's student version		
RAM	512 MB or higher	1GB or higher
Display Resolution	1024 X 768	1280 x 1024
BROWSER	Minimum	Recommended
Windows	Microsoft Internet Explorer 8.0	Firefox 3.x or higher Chrome 20.x or higher
Mac OS	Firefox 1.5 or Safari 2.0	Firefox 3.x or higher Chrome 20.x or higher
SOFTWARE	Minimum	Recommended
Adobe Flash Player	Version 10.0	Version 10.0 or higher
SOUND	Minimum	Recommended
Sound Card	—	Integrated
Headphones	—	Headphones are required for proper program usage
NETWORK	Minimum	Recommended
Connection speed between your network and internet	256 kbps broadband	>1Mbps broadband sustained
<p>CRITICALLY IMPORTANT:</p> <p>Think Through Math will not work unless you unlock access and allow these sites:</p> <p>Cache Server/ Content Filtering</p>	<p>THESE SITES MUST BE ADDED TO YOUR EXCEPTION LIST AND BE AUTHENTICATED</p> <p>If students cannot access live teachers, badges, design their avatars, or see math symbols, these sites are not open. Please contact Tech Support for help unblocking them:</p> <p>866-357-8664 Option 3</p>	<p>REQUIRED DOMAINS:</p> <p>*.thinkthroughmath.com: HTTP (80) and HTTPS (443) (Used for general application content)</p> <p>fms.thinkthroughmath.com/Ports: TCP/1935 and TCP/80 (Used so students can be guided by our live teachers)</p> <p>cdn.mathjax.org: HTTP (80) and HTTPS (443) (Used to display math formulas in the browser)</p> <p>getsatisfaction.com: HTTP (80) and HTTPS (443) (Used for teacher and admin support knowledge base)</p> <p>*.bunchball.net: HTTP (80) (Used for student motivation and rewards)</p> <p>thinkthroughlearning.zendesk.com: HTTPS (443) (Used for customer support chat)</p>

*Think Through Math is hosted on Amazon Web Services' cloud-based infrastructure. Because of this, it is not possible to predict the IP addresses that will be used to serve content in the application. White-listing based on IP address is not a supported configuration because source IP addresses can change over the course of student usage.