



UMathX Launch - Nurturing 'Growth Mindsets' in Texas

Texas (K to Algebra1) Initiative - Put us to the Test and Rise above the Rest!

A. UMathX Launch

We announce the launch of v2.0 of UMathX, the 10th version of Understanding Math, a browser-based, computer-assisted learning system that blends a wide variety of approaches to help students develop deeper understanding of mathematics concepts from K to Algebra1. UMathX nurtures a 'growth mindset' through productive struggling, assessments, diagnostics and data analysis. Students "build it", "draw it", "talk it", "write it" and then "OWN IT!"

"UMathX has it all... a full service K to Algebra1 learning environment, supporting a 'growth mindset' within a "learning pit" encouraging students and teachers to 'grapple' with concepts." .. (2016 GESS World Conference)

Stanford Researcher, Carol Dweck has linked the concept of growth mindsets to academic success. Embrace failure as an opportunity to develop new strategies and approaches to learning challenging concepts.

B. Sample District Gr 5 UMathX Initiative – 2015-16



Sample District Summary

District URL: www.umathx.com/sample

May 2016

Number of Licenses: 2052 .. Grade 5 Students

District Lead:

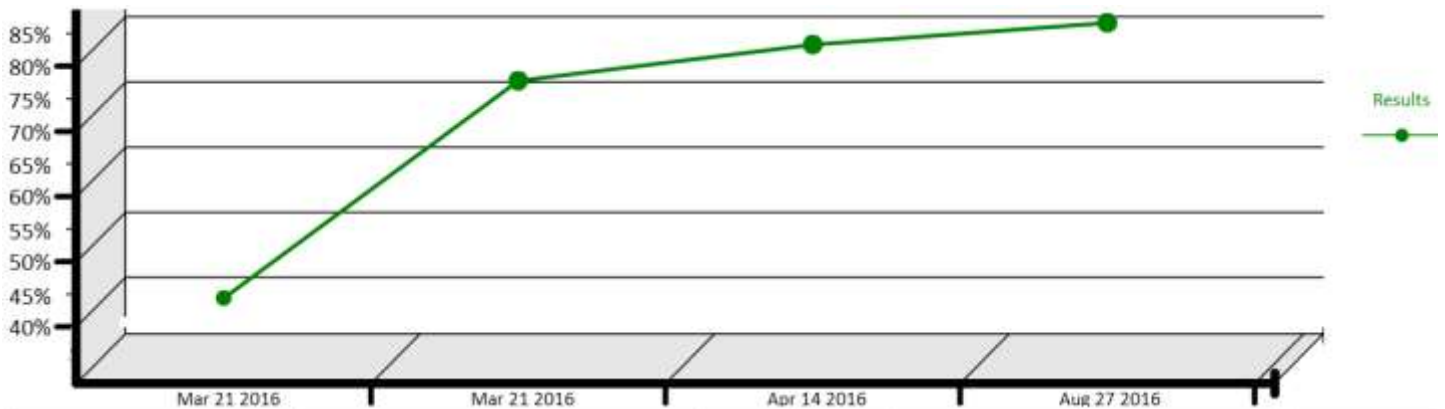
Teachers:



Category	Total	1 Week	30 Days	90 Days	6 Months	1 Year
Number of Lessons	15176	0	22	2707	11043	15176
Number of Tests	1299	0	0	104	539	1296

View A Report View Test Data

C. Sample TEKS 7.4 UMathX Test Data ... Growth over Time

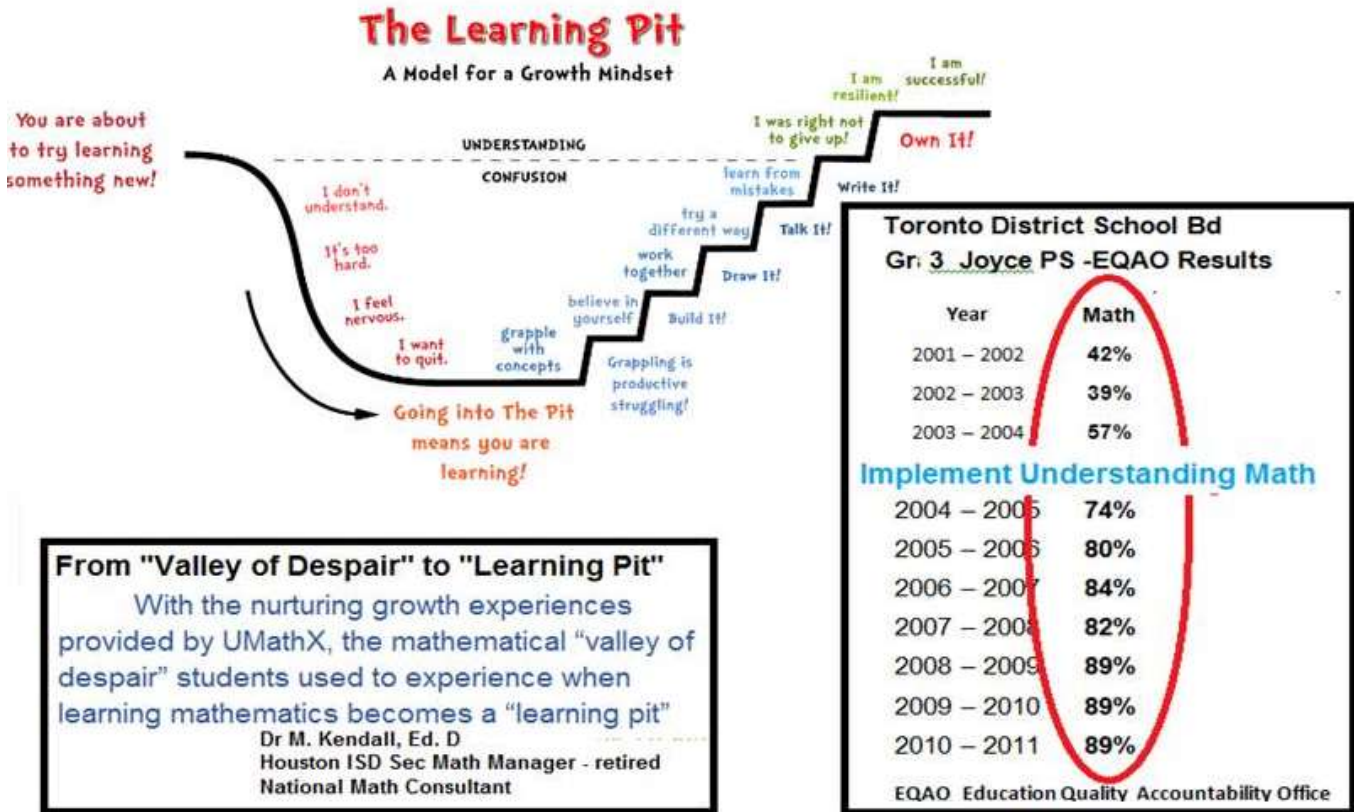


Student Name	Test	Result	'Out Of	Test Avg.	Total Time	Date
Student1	TEKS - 7.4 - Proportionality	8	18	44.4%	00:05:04	Mar 21 2016
Student1	TEKS - 7.4 - Proportionality	14	18	77.8%	00:04:11	Mar 21 2016
Student1	TEKS - 7.4 - Proportionality	15	18	83.3%	00:05:44	Apr 14 2016
Student1	TEKS - 7.4 - Proportionality	13	15	86.7%	00:16:43	Aug 27 2016



F. Data .. “Valley of Despair” to “Learning Pit” .. Toronto, Houston

Growth Mindsets - Soaring Scores with UMathX



In 2011, Neufeld Learning Systems began to create UMathX, the 10th version of Understanding Math.

G. UMathX Data ... Research, Multiple Strategies, Differentiation – Dr Kendall

Imagine a blended-learning system for K-Algebra I that incorporates the latest research on how students learn and provides continued professional learning for the teacher...

UMathX is such a system!

First, the “frameworks” activities designed for **UMathX** support learning experiences in which students construct their own understanding of mathematics concepts: students try something new by utilizing manipulatives and multiple representations to grapple with and make sense of the concepts.

Second, students interact with a computer-assisted learning system designed to scaffold their practice, fill in the gaps, and deepen their understanding.

Third, the **UMathX** system supports teachers’ planning by providing curriculum menus, differentiated instruction through multiple entry points, and opportunities for students to reflect and connect in small-group experiences.

As a former district mathematics leader, **I promoted the district-wide purchase and use of previous versions of this system. Now, as a mathematics education consultant, I enthusiastically continue to share with other educators the benefits to students and teachers that UMathX provides.**

Monica Kendall, Ed. D.; Houston ISD Sec Math Manager (retired)



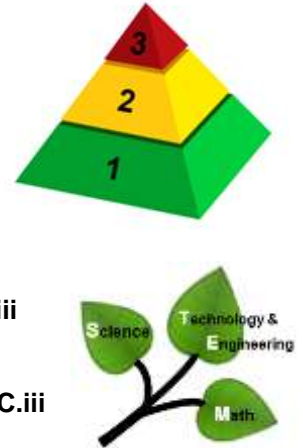
H. UMathX – Quick Introduction and Access

Visit www.umathx.com and select:

- **Videos** UMathX – What is it? – The Learning Pit UMathX – Frameworks for Learning
UMathX – Walk Through UMathX - Assessments
UMathX – Navigation UMathX – Data Analysis
- **Media Brochure** – North America
- **Preview** and choose access for 30 days as a **Student** or **Teacher** or **School Lead** or **District Lead**.

Sample LESSONS: within UMathX Menu within TEKS Menu

Operations 5) Demonstrate Addition Facts...Making 5 – A	K.3.A.i
Operations 12) Add 3 or 4 # – A – Add 3 # Vertically	1.3.E.ii
Fractions –The Meaning of Fractions – Think, Write, Say – tier 1, tier 2, tier 3	3.3.C.i
Operations – 27) Introduce Mult Facts - 2, 3, 4, 5 - Mult: Groups of 4	2.6.A.i
Decimals to tenths, hundredths, thousandths	4.2.E.i
Multiply 2 Digit Numbers – Partial Products – Ex. 1 - tier 1, tier 2, tier 3	4.4.C.i
Multiply Decimals by Partial Products – Area – Ex 1- tier 1, tier 2, tier 3	5.3.E.i
Add Fractions – Pattern Blocks & Word Prob. – Eat Candy - tier 1, tier 2, tier 3	5.3.H.ix
Multiply Fractions – Developing the Rule – tier 1, tier 2, tier 3 - word problems	6.3.B.i
Fractions – Ratios and Proportions – Ratio Table - tier 1, tier 2, tier 3	6.5.A.vii; 6.5.A.viii
Dividing Fractions – Modeling Examples – Models 1,2,3,4,5,6– tier 1, tier 2, tier 3	7.3.B.iv
Graphing without a Scale – tier 1, tier 2, tier 3	6.6.C.i; 6.6.C.ii
Slope & Line – Walk in Real World - tier 1, tier 2, tier 3	8.3.C; 8.4.B; 8.4.C.iii
Graphing – Relations, Equations, Functions – Relations – Ex2: tiles, Part 1	A.2.C
Graphing –Quadratic Functions–Maximize Cage Area- tier 1, tier 2, tier 3	A.8.B.i
Algebra – Factoring Expressions – Factoring Trinomials – With Tiles	A.10.E



Frameworks for Learning .. are available at www.umathx.com/frameworks & in the TEKS curriculum menu.

I. Pricing and Ordering

Cost - \$10 per student. Contact information is at www.umathx.com or 866 429 6284 (toll free)

Contact the following **UMathX** Support Team Members for the CAMT **UMathX** Special.

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J. Put us to the Test and Rise Above the Rest!

- **UMathX** fills gaps in order to catch up and to excel.
- **UMathX** provides teacher training, assessments, and data analysis.
- **UMathX** provides measure of usage and shows growth in student understanding.

Use UMathX 3 times a week for 30 minutes each, then

UMathX will Guarantee Growth!

Rudy Neufeld

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