



UMathX Launch - Nurturing 'Growth Mindsets' for K to Algebra1

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 – 2015-2016



May 2016

District URL: www.umathx.com/sample
Number of Licenses: 2052 .. Grade 5 Students

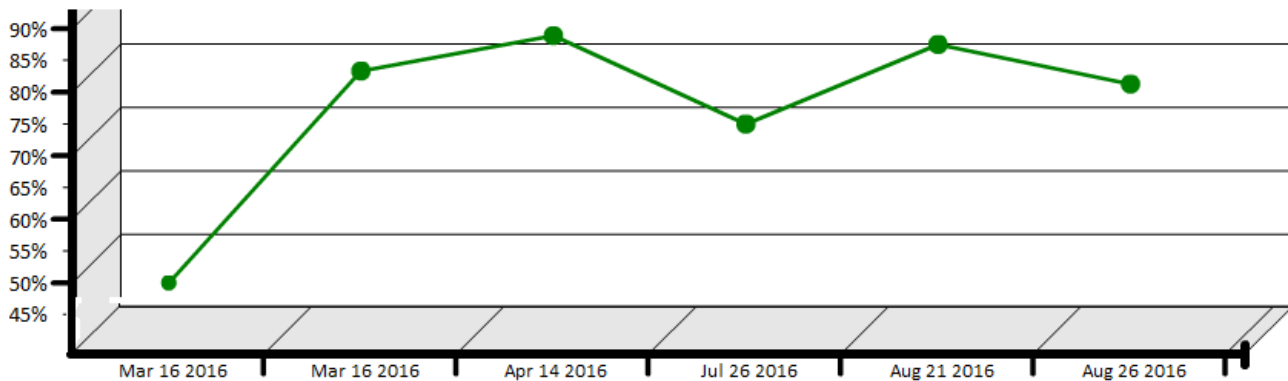


View A Report

View Test Data



C. Sample UMathX - Domain Test 5.NF Data ... Growth over Time



| Student | Test | Result | 'Out Of | Test Avg. | Total Time | Date |
|----------|----------------------------|--------|---------|-----------|------------|-------------|
| Student1 | Common Core - Grade 5 - NF | 9 | 18 | 50% | 00:11:00 | Mar 16 2016 |
| Student1 | Common Core - Grade 5 - NF | 15 | 18 | 83.3% | 00:11:39 | Mar 16 2016 |
| Student1 | Common Core - Grade 5 - NF | 16 | 18 | 88.9% | 00:16:29 | Apr 14 2016 |
| Student1 | Common Core - Grade 5 - NF | 12 | 16 | 75% | 00:09:57 | Jul 26 2016 |

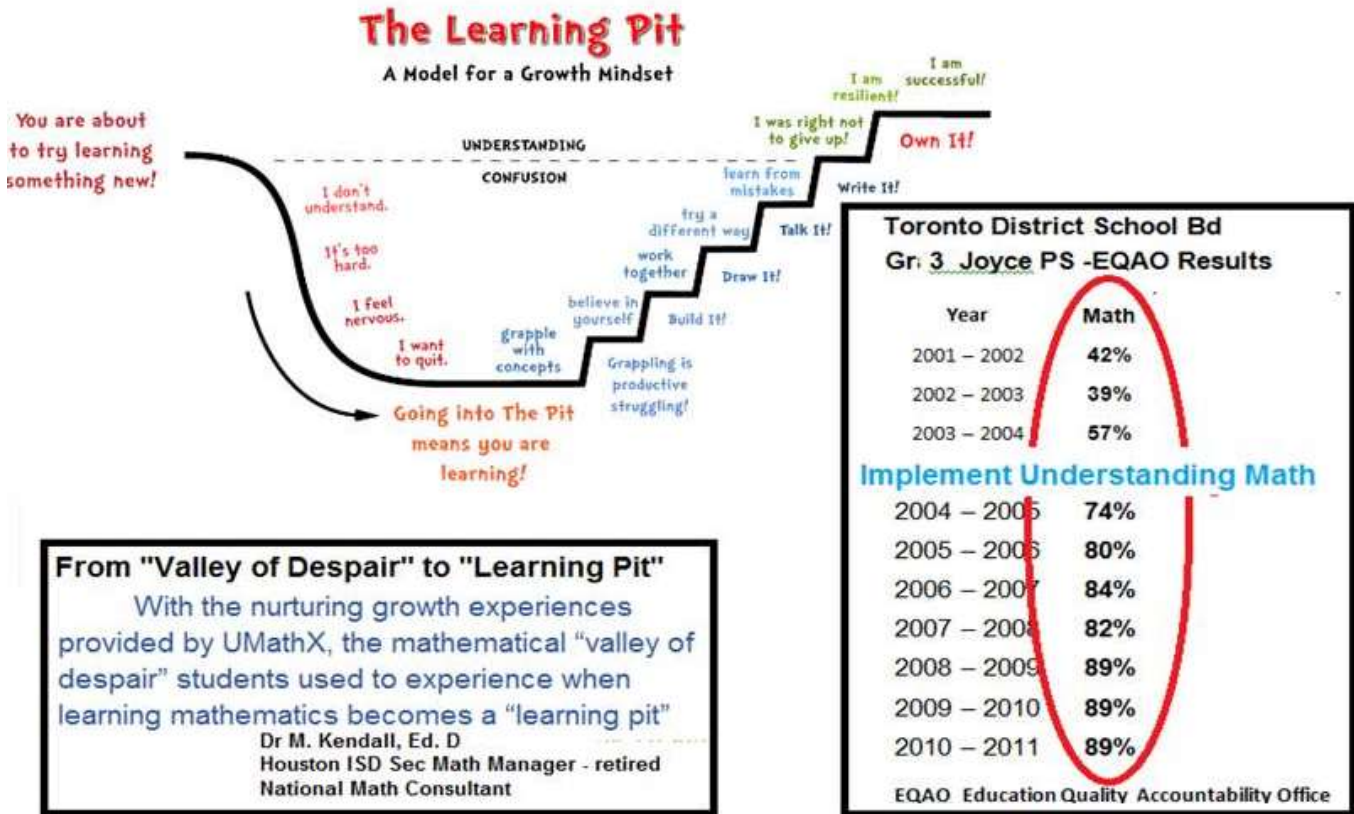
D. Sample UMathX - Domain Test 8.F Data ... Growth over Time

| Student Name | Test | Result | 'Out Of | Test Avg. | Total Time | Date |
|--------------|---------------------------|--------|---------|-----------|------------|-------------|
| Student1 | Common Core - Grade 8 - F | 5 | 14 | 35.7% | 00:08:01 | Mar 16 2016 |
| Student1 | Common Core - Grade 8 - F | 11 | 14 | 78.6% | 00:07:25 | Mar 16 2016 |
| Student1 | Common Core - Grade 8 - F | 12 | 14 | 85.7% | 00:11:18 | Apr 14 2016 |
| Student1 | Common Core - Grade 8 - F | 11 | 12 | 91.7% | 00:17:52 | Aug 30 2016 |



E. UMathX 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.

F. 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)



G. UMathX – Quick Introduction and Access

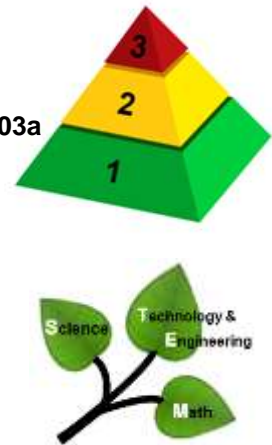
Visit www.umathx.com and select:

- **Videos** UMathX – What is it? – The Learning Pit UMathX – Frameworks for Learning UMathX - Assessments UMathX – Navigation UMathX – Data Analysis
- **Media Brochure** – Dubai, India, Kuwait
- **Preview** and choose access for 30 days as a **Student** or **Teacher** or **School Lead** or **District Lead**

Sample Lessons for your Convenience ..within UMathX Menu ..within CCSS/College & Career Ready Standards

Operations – Demonstrate Addition Facts – Making 5 - A
Place Value 2. Model Numbers Grouped in Packs–C–1)Ones & Groups of Ten
Operations 12) Add 3 or 4 # – A – Add 3 # Vertically
Fractions –The Meaning of Fractions – Think, Write, Say – **tier 1, tier 2, tier 3**
Operations – 27) Introduce Mult Facts - 2, 3, 4, 5 - Mult: Groups of 4
Decimals to tenths, hundredths, thousandths
Multiply 2 Digit Numbers – Partial Products – Ex. 1 - **tier 1, tier 2, tier 3**
Add Fractions – Pattern Blocks & Word Prob – Eat Candy - **tier 1, tier 2, tier 3**
Multiply Fractions – Developing the Rule - tiers **1, 2, 3** - word problems
Fractions – Ratios and Proportions – Ratio Table - **tier 1, tier 2, tier 3**
Dividing Fractions– Modeling Examples – 1,2,3,4,5,6 – **tier 1, tier 2, tier 3**
Measurement – Per&Area Polygons – Area Polygons – **tier 1, tier 2, tier 3**
Graphing without a Scale – **tier 1, tier 2, tier 3**
Slope & Line – Walk in Real World - **tier 1, tier 2, tier 3**
Graphing – Relations, Equations, Functions – Relations – Ex2: tiles, Part 1
Graphing–Quadratic Functions–Maximize Cage Area-- **tier 1, tier 2, tier 3**
Algebra – Factoring Expressions – Factoring Trinomials – With Tiles

K.OA.01.03
 K.NBT.01.01
 1.OA.03.06
 3.NF.01.01
 3.OA.01.01
 4.NF.03.06; 5.NBT.01.03a
 4.NBT.02.05
 5.NF.01.01
 5.NF.02.04a
 7.RP.01.02c
 6.NS.01.01
 7.G.02.06
 8.F.02.05
 8.EE.02.06
 A.CED.01.02
 A.CED.01.02
 A.SSE.01.02



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

H. Pricing and Ordering

Cost - \$10 per student.

For details, contact info@knowledge-hub.com or call +(971) (4) (3856650)

I. Put us to the Test and Rise Above the Rest! – We will Guarantee Growth.

- **UMathX** fills gaps for K to Algebra1, 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 over time.

Use UMathX 3 times a week for 30 minutes each,
 then **UMathX will Guarantee Growth!**

Regards...

Rudy Neufeld

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