

UMathX Sessions – Fall 2018

CONSTRUCT UNDERSTANDING

UMathX will be presenting sessions, workshops and webinars in North America and overseas in Fall 2018. The following sessions are scheduled for DACTM, Detroit on Nov 3 in room 12. Presentations will also occur in AL, OH, NJ, ON, PEI, NS, NY, NYC and are tentatively planned in SC, FL, MS, New World School in Beijing, Obrien Academy Tanzania and other locations. For session details, go to www.umathx.com . Then cursor down to “Conference Sessions”

8:00 – 9:00 A.M.

SESSION 1 Grades 5 – 9 in Room 12.



Brunch on a RATIO MIX of Cranberry Juice & Gingerale 'n Learn

Rudy Neufeld, Neufeld Learning Systems Inc.

Lianne Link, Retired Math Coach .. Flint Schools

RATIOS form the basis of much gr 5 to Algebra Mathematics. Come have BRUNCH by mixing Ginger Ale & Cranberry Juice and LEARN by “tasting” our 3-part lessons which teach concepts: Tape Diagrams, Ratio Tables and Double Number Lines. Scale Diagrams, Dilations, Slope. Participants will be given access to lessons both online and in print for their gr 5 to Algebra classes.

A Tasty Introduction from FLINT served by Rudy & Lianne.

To make Rudy's and Lianne's Fruit Punch, we ask you to generate a mix made up of the “real” things. You are provided with a personal empty cup. In addition, you are given 2 small cups with no marks on them. You do not estimate. We want to generate the perfect taste which The Flint Punch demands. The perfect taste is generated by a ratio of 3 units of ginger ale for every 4 units of cranberry juice. Please consider 2 methods.

9:15 – 10:15 A.M. and 1:00 – 2:00 P.M.

SESSION 2 and 4 | Grades 3-5 in Room 12.



SNACK on Fractions of Licorice and JuJubes to VISUALIZE 'n LEARN Fraction Operations.

Lianne Link, Retired Math Coach .. Flint Schools

Rudy Neufeld, Neufeld Learning Systems, Inc.

Come VISUALIZE FRACTION in different ways with Licorice and Jubes and LEARN by “tasting” our 3 part lessons to visualize concepts and construct learning in a sequence of topics .. Introduction to Equivalent to Adding Fractions to Multiplying Fractions. This rich learning environments offers on and off computer activities including virtual and real manipulatives. Participants receive access to online resources and lessons for their classes.

2:15 – 3:15 PM

Session 5; Room 12 .. Grades 5 to 9



Math or Magic



Empower Students to Algebraic Thinking through Number Tricks

Rudy Neufeld, Neufeld Learning Systems

Lianne, Retired .. Flint Schools

If you wish, come wearing your “Halloween attire” to help get into the spirit of trickery of math or magic. We will work through model lessons which teach concepts in steps from numbers to variables in a sequence of activities involving algebraic thinking. The learning environments involve on and off computer activities. Participants will receive access to online resources and lessons for their classes