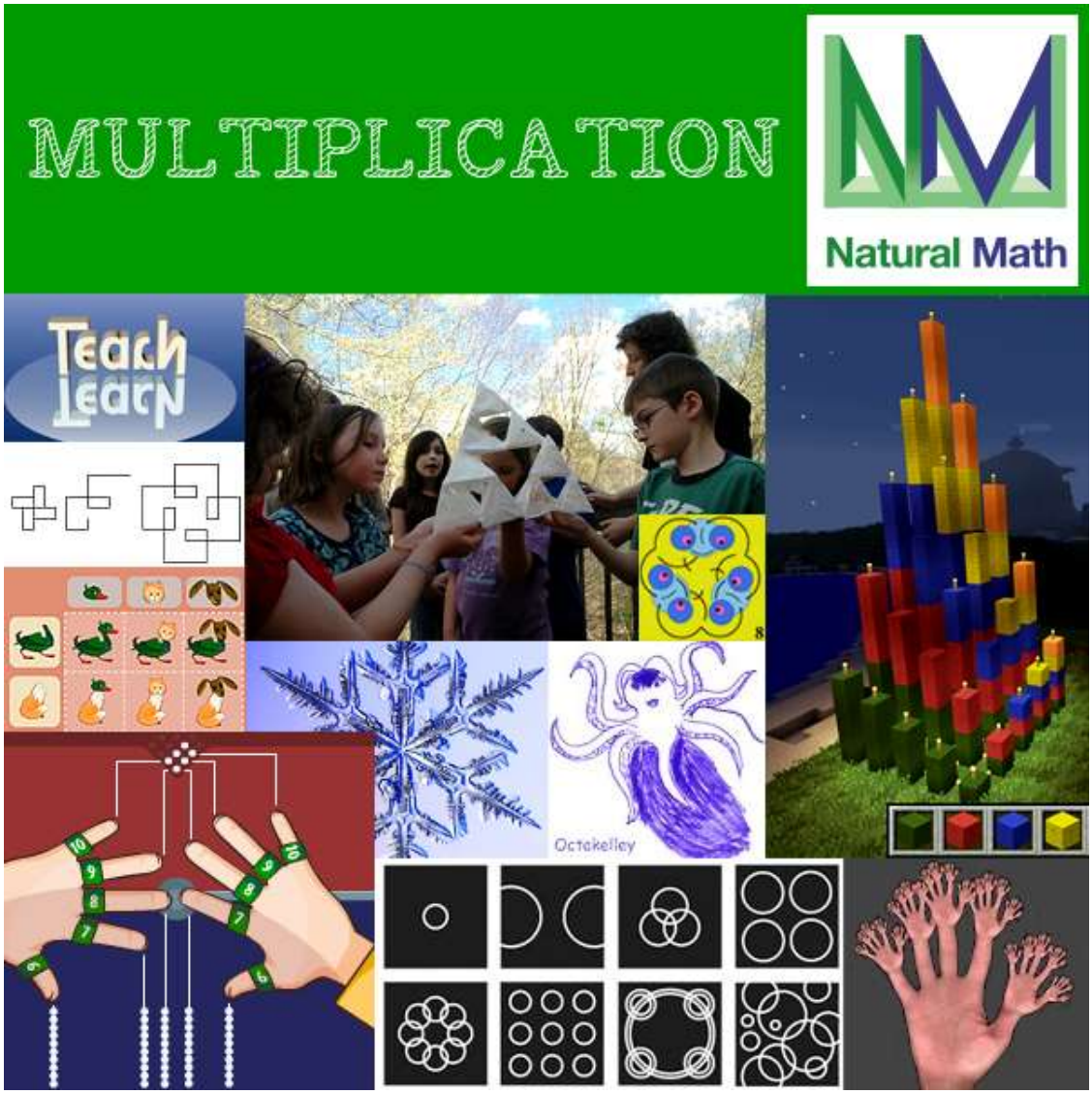
Welcome!

Glad you are joining us for the course. During the first week of April, you will receive emails explaining how to start.

Are you eager to begin an activity right now? Look at our collection of 12 models of multiplication at http://www.moebiusnoodles.com/2013/09/12-models-of-multiplication/. Then go on a scavenger hunt for the models - at home, outdoors, on field trips, or in your favorite fiction stories.

- Dr. Maria Droujkova and Yelena McManaman



About Natural Math Multiplication

We invite parents, teachers, playgroup hosts, and math circle leaders to join us in April for an open online course about multiplication. Each week there will be five activities to help your kids learn multiplication by exploring patterns and structure. To get your course completion badge, do at least two activities every week. The course starts April 6 and runs for four weeks. Dr. Maria Droujkova and Yelena McManaman are designing and leading the activities.

Each activity will have adaptations for toddlers (2-4), young kids (4-6), and older kids (7-12). If you want to remix activities for babies or teens, we will help!

Preliminary Syllabus

Week 1: Introduction. What is multiplication? Hidden dangers and precursors of math difficulties. From open play to patterns: make your own math. 60 ways to stay creative in math. Our mathematical worries and dreams.

Week 2: Inspired by calculus. Tree fractals. Substitution fractals. Multiplication towers. Doubling and halving games. Zoom and powers of the Universe.

Week 3: Inspired by algebra. Factorization diagrams. Mirror books and snowflakes. Combination and chimeras. Spirolaterals and Waldorf stars: drafting by the numbers. MathLexicon.

Week 4: Times tables. Coloring the monster table. Scavenger hunt: multiplication models and intrinsic facts. Cuisenaire, Montessori, and other arrays. The hidden and exotic patterns. Healthy memorizing.

Invite Your Friends

Online courses work even better if you discuss the tasks with friends! Invite your friends and colleagues to share the multiplication journey with you: send them the course page http://www.moebiusnoodles.com/NaturalMathMultiplication/