



Arts for Learning CT PROGRAM GUIDE

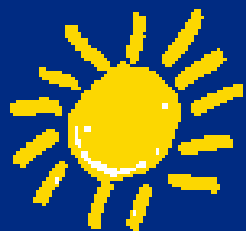
MATICA ARTS Whole Body Math

LEARNING OBJECTIVES

- To teach basic concepts of math through kinesthetic activities
- To teach the importance of physical movement as a method to connect to and understand math curriculum
- To demonstrate a healthy life style and its impact on learning.

ABOUT THE PROGRAMS

Whole Body Math is available as a workshop or residency program lead by Heidi Kirchofer from Matica Arts. Whole Body Mathematics explores numbers and math through the physical body. Students of all grades will be encouraged to move dynamically and creatively. Grades preK-2 will play moving math and circus games to solidify numerical concepts. Kindergartners will focus on addition and subtraction by moving their bodies through space and in patterns. Grades 1 and 2 will learn fractions through dance and circus games and becoming parts of a whole. In addition, 2nd grade students will learn to measure and graph their jumps. This is a highly engaging and movement-based way of learning math. A large open space is the best environment in which to hold the workshop/residency sessions.



ARTS FOR LEARNING CT
1 EVERGREEN AVENUE
3RD FLOOR
HAMDEN, CT 06518



Arts for
Learning
Connecticut



About the Artist & Program Preparations

ABOUT THE ARTIST

Heidi Kirchofer of Matica Arts is a bilingual (Spanish and English) artist who's objective is to inspire others to create and move with joy, strength and connection to the self. She is the co-founder of Matica Circus and is a stiltwalker, juggler, as well as a percussionist. Heidi has also taught movement for actors at the Hartford Conservatory.

PRE PROGRAM

Have students practice moving (marching, bending, twisting) in their own space.

Introduce students to fractions, shapes, and number lines.

POST PROGRAM

Talk with your students about their experience in kinesthetic learning.

Encourage your students to think of other math concepts they can demonstrate kinesthetically.

CURRICULAR LINKS

Common Core State Standards for Mathematics

Kindergarten: Counting and Cardinality: Know number names and the count sequence; compare numbers. Operations and Algebraic Thinking: Understand addition as together and adding to, and understanding subtraction as taking, apart and taking from. Geometry: Identify and describe shapes. Analyze, compare, create and compose shapes.

Grade 1: Operations and Algebraic Thinking: Represent and solve problems involving addition and subtraction; Understand and apply properties of operations and the relationship between addition and subtraction. Measurement and Data: Measure lengths indirectly and by iterating length units. Geometry: Reason with shapes and attributes.

Grade 2: Operations and Algebraic Thinking: Represent and solve problems involving addition and subtraction. Measurement and Data: Measure and estimate lengths in standard units; relate addition and subtraction to length; represent and interpret data. Geometry: Reason with shapes and their attributes.

WE SEEM TO KEEP CROSSING PROFESSIONAL PATHS WITH HEIDI AND JOEL OF MATICA AND EVERY PROJECT HAS BEEN SUCH A PLEASURE. EACH TIME WE COLLABORATE IT'S COMPLETELY DIFFERENT AND THEY NEVER CEASE TO AMAZE US WITH THE DEPTH OF THEIR MANY TALENTS. THEIR ENERGY IS ADVENTUROUS AND FUN.

Craig Norton, AFL Artist



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