

PATTERNS, PUZZLES, AND MATH

Thursdays, September 12-December 12 (no class October 17 or November 28; 12 weeks)

11:00am-12:15pm

Ages 6-8

Elementary math concepts are taught and reinforced through puzzles, games, and fun hands-on learning activities throughout this course. Students work with numbers to study quantity, structure, space, symmetry, change, and how to seek and use patterns to formulate new conclusions. All lab costs are included in registration fee. Course enrollment is limited to 12 students.

Instructor: Candra Umunna, BSc

Location: Science Center (suite 5)

Course fee: \$220 OR \$20/lab

10% off early registration discount through July 31

10% off sibling discount available beginning August 1

LAB SCHEDULE:

Tangram Challenge – Thursday, September 12

In this math lab, students use symmetry and pattern recognition to create puzzles and explain relationships of shapes.

Geometry Origami – Thursday, September 19

Students use math and fine motor skills in this lab to understand how 3-dimensional objects are created with paper.

Science of Math – Thursday, September 26

This week, we investigate patterns in numbers, and how numbers are used to as scientific data, including measuring speed, distance, volume and mass.

Mario & Minecraft – Thursday, October 3

We have fun with numbers this week as we solve and create our own math puzzles with Mario Brothers and Minecraft themes.

Math Detectives – Thursday, October 10

Students work together as a detective team to find number clues, use math and logic to solve mysteries and puzzles, and figure out lock combinations to escape the room!

Theories and Riddles – Thursday, October 24

In this math lab, students solve numerical riddles and explore math theories as they work with logic and number patterns to challenge their brains.



LEGO® Math – Thursday, October 31

This class is all about hands-on math using LEGO®. From addition and subtraction, to fractions and geometry, using LEGO® bricks is a fun way to reinforce elementary math concepts.

Fibonacci Sequence – Thursday, November 7

We learn about the Fibonacci Sequence, and explore spirals in nature and art to determine if they fit this numerical pattern.

Mathematics Obstacle Course – Thursday, November 14

This week we solve math problems to race through a Mathematics Obstacle Course.

Board Game Math – Thursday, November 21

Students design and create their own board game based on logic, strategy and math.

Building with Math (two weeks)– Thursday, December 5 and 12

In these labs, students work on their measuring skills as they design and build a project that requires accurate measurements.

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