

LEGO MATH

Tuesdays, September 1-December 8 (no class Sept 22, Nov 3, Nov 24; 12 weeks)

12:30pm-1:45pm

Ages 6-8

Students explore foundational math concepts through hands-on LEGO building challenges. Each lesson combines creativity, engineering, problem-solving and mathematical thinking while developing fine motor skills, communication and collaboration. All lab costs are included in registration fee.

Instructor: Jessica Barnes, BSc

Location: Science Center (suite 5)

Course fee: \$240 OR \$22/lab (plus \$0.99 AH fee)

10% member discount

10% sibling discount

Register for full semester or individual labs.

LAB SCHEDULE:

LEGO Towers – Tuesday, September 1

Students use LEGO to build towers that represent numbers, helping them develop counting skills, number recognition and an understanding of quantity through hands-on math exploration.

LEGO Patterns – Tuesday, September 8

This week, students use LEGO bricks to build, identify and extend repeating and growing patterns while developing early math and problem-solving skills.

LEGO Sorting – Tuesday, September 15

Students classify, organize and compare objects based on different attributes such as color, size and shape while building foundational data and math skills.

LEGO Zoo Build – Tuesday, September 29

Students create animal habitats while solving engaging addition story problems that develop early math understanding.

LEGO Search – Tuesday, October 6

Students hunt for missing LEGO to solve subtraction story problems by taking away and finding what remains.



LEGO Color Survey – Tuesday, October 13

This week, we collect, organize and graph LEGO data to discover how math helps us compare and understand information.

LEGO Shapes – Tuesday, October 20

Students explore 2D and 3D shapes by building creative LEGO models while developing geometry, spatial reasoning and problem-solving skills.

LEGO Codes – Tuesday, October 27

Students use LEGO to create, decode and solve simple secret codes and patterns while developing logical thinking, sequencing and early mathematical reasoning.

LEGO Measurement – Tuesday, November 10

Students use standard and non-standard measuring tools to explore length, height, width and weight while developing estimation, comparison and early measurement skills.

LEGO Store – Tuesday, November 17

Students build and shop in their own LEGO marketplace while practicing counting, addition, money skills and real-world problem-solving.

LEGO Build – Tuesday, December 1

This week, students are challenged to construct creative models using specific dimensions and a set number of LEGO while practicing measurement, counting, planning and problem-solving skills.

LEGO Escape Room – Tuesday, December 8

Students apply their knowledge of number patterns, geometry, logic, codes and problem-solving to solve puzzles, uncover clues and unlock the final mystery.

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