

Escape from Mr. Marbles' Mansion

Math Night Schedule

	5:00 – 5:05	Session 1 5:10 – 5:30	Session 2 5:35 – 5:55	Session 3 6:00- 6:20	6:25 – 6:30
Foyer	Welcome				Conclusion
Craft Room		Exploring Shapes (K-2)	2D and 3D Shapes (3-5)	Engineering Challenges (6-8)	
Game Room		Number Bingo (K-2)	Equation Bingo (3-5)	Equation Bingo (6-8)	
Library		Secret Message Ciphers (6-8)	Shape Hunting (K-2)	Binary Code Puzzles (3-5)	
Art Studio		Tessellation Art (6-8)	Shape Art (K-2)	Fraction Art (3-5)	
Study		Money Jeopardy Game (3-5)	Money Jeopardy Game (6-8)	Money Jeopardy Game (K-2)	
Kitchen		Nutrition Math (3-5)	Design a Meal (6-8)	Meal math (K-2)	



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Session Descriptions

Enter the Foyer at 5:00 using the link:
go.niu.edu/1z5qkx

Craft room – Room Host: Matt Swed

- **Session 1 (K-2): Exploring Shapes** - Visitors will use their Brackitz kits to explore counting, shape identification, measuring, as well as using their imagination to start building with their Brackitz.
- **Session 2 (3-5): 2D and 3D Shapes** – Visitors will use their Brackitz kits and their critical thinking skills to create various 2D and 3D shapes.
- **Session 3 (6-8): Engineering Challenges** – Visitors will use their problem-solving skills to participate in various Brackitz engineering challenges.

Game Room – Room Host: Celia Owens

- **Session 1 (K-2): Number Bingo** – Visitors will participate in different levels of BINGO from counting, number recognition, shape recognition, simple addition, and simple subtraction.
- **Session 2 (3-5): Equation Bingo** - Visitors will play different levels of BINGO including multiplication, division, geometry, fractions, and decimals.
- **Session 3 (6-8): Equation Bingo** – Visitors will participate in different levels of BINGO from multiplication, division, positive and negative numbers, geometry, square roots, variables, and ratios.

Library – Room Host: Jeremy Benson

- **Session 1 (6-8): Secret Message Ciphers** – Visitors will crack secret messages using ciphers.
- **Session 2 (K-2): Shape Hunting** – Visitors will go on a shape scavenger hunt to find the math all around them.
- **Session 3 (3-5): Binary Code Puzzles** – Visitors will learn the not so secret code of computers as they decode messages written in binary.



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Art Studio – Room Host: Kristin Brynteson

- **Session 1 (6-8): Tessellations** – Visitors will use their geometry skills to create unique patterned art. (This activity will require use of scissors and parent supervision.)
- **Session 2 (K-2): Hidden Shapes** – Visitors will find the shapes hidden in an image and then color each shape to reveal a secret picture.
- **Session 2 (K-2): Fraction Art** – Visitors will use their folding and fraction skills create geometric art in the style of Piet Mondrian and fold simple origami creations.

Study – Room Host: Kerri Sosnowski

- **Session 1 (3-5): Money Jeopardy Game** - Visitors will play Jeopardy with a focus on money recognition, money equivalency, spending and time.
- **Session 2 (6-8): Money Jeopardy Game** - Visitors will play Jeopardy with a focus on spending, saving, taxes and investing.
- **Session 3 (K-2): Money Jeopardy Game** – Visitors will play Jeopardy with a focus on patterns, money recognition, and needs and wants.

Kitchen – Room Host: Jasmina Mesic

- **Session 1 (3-5): Nutrition Math** – Visitors will create a 3-ingredient recipe with food labels, draw a meal using the MyPlate guidelines and compare daily menus to determine which day would give them the most nutrients.
- **Session 2 (6-8): Design a Meal** – Visitors will design a meal using MyPlate guidelines and create a Food Label for their meal and use the information from food labels to calculate the percentage of calories that come from protein.
- **Session 3 (K-2): Meal Math** – Visitors will use the information from food labels to determine which snack has the greater number of calories and other nutrients, create a 3-ingredient recipe and determine the number of calories in their dish, and draw a meal using the MyPlate guidelines.

