

## HAPPY KIDS LESSON PLAN - MATH

Week 1 - Geometry			
Subjects	Symmetry		Measurements
Activity	Symmetry Art		Measuring with Non-standard Units
Question Time	Do you like butterflies? What things in nature are symmetrical?		How tall are you? Do you want to be taller or shorter?
Vocabulary	face, line, mirror, shape, copy, butterfly, reflection		size, tall, short, meter, centimeter, inch, ruler, horizontal, vertical, height, length
Sentences	I see myself in the mirror. I can draw the shape of a star.		My sister is very short. My father is taller than my mother.
Week 2 - Shapes			
Subjects	2D Shapes	3D Shapes	Shape-Based Design
Activity	Shapes Scavenger Hunt	Mystery Box	Shape Trace Art
Question Time	Which shape was the hardest to find? How many shapes can you find in a car?	Do you think a cubic moon would be pretty? What is your favorite shape?	How many shapes do you need to draw a face? What do you want to draw using shapes?
Vocabulary	triangle, rectangle, square, oval, diamond, pentagon, hexagon, angle	cube, sphere, cylinder, cone, pyramid, hemisphere, torus, prism, cuboid	draw, trace, semicircle, shadow, arch, crescent, curved line, wavy line
Sentences	The window is a square. A triangle has three angles.	A baseball is a sphere. My water bottle is a cylinder.	The semicircle is half of a circle. I like to draw using shapes.
Week 3 - Numbers			
Subjects	Numerals	Counting	Probability
Activity	Number Faces	Nonograms	Probability Twister
Question Time	Do you like math? Do you think numerals are important?	What is your favorite game? Do you like solving puzzles?	Would you like to be able to predict the future? How likely is to meet an idol on the street?
Vocabulary	art, number, Roman, Arabic, symbol, digit, equation, calculate	game, picture, clue, solve, puzzle, rows, columns, grid, pattern, pixel	luck, chance, random, outcome, likely, certain, spinner, odds, favorable, predict, percentage
Sentences	Roman numerals are used in books. We use more Arabic than Roman numerals.	I like pixel art games. I solved a nonogram and found a picture.	I twist my body when playing twister. When I play games, I am very lucky.
Week 4 - Operations			
Subjects	Addition	Subtraction	Real World Math
Activity	Card Game	Shopping Roleplay	Chocolate Brownies
Question Time	What is your favorite card game? Can you do magic tricks with cards?	What did you buy recently? How much do you think a chocolate bar costs?	When do you use math? How can you measure ingredients?
Vocabulary	cards, sum, add, plus, more, less, points, many, much, shuffle	buy, sell, change, shop, money, clerk, cashier, credit card, cheap, expensive	mix, stir, chocolate, brownie, tablespoon, microwave, divide, quantity, recipe, instructions, ingredients
Sentences	I won many points playing the card game. I can shuffle the cards very fast.	I want to go to the candy shop. Smartphones are expensive.	My brownie is delicious. I can follow a recipe.