

YEAR PLAN 2018 - 2019

Grade I MATHEMATICS

The academic year is divided into **two** sessions

Session One: June 2018 to October 2018

Session Two: November 2018 to March 2019

Continuous assessments: June, July, August, September, October, November, December, January, February, March.

Summative Assessment I: October 2018

Summative Assessment II: March 2019

Aim: To

- realize the relevance of mathematical concepts and their application for the smooth functioning of life.
- learn to enjoy the subject by developing confidence.

Enduring understanding:

- To develop one's ability to reason and to think logically by which one can solve problems and learn further. It thus contributes to the development of a child as a whole.

Objectives: To

- Understand and use the concepts related to numbers like place value, comparison, skip counting, arrangement and the four fundamental operations.
- Learn to express thoughts clearly and accurately.
- Learn to perform accurate calculations.

Project: Prepare the model of a clock.

Session One – JUNE 2018 TO OCTOBER 2018

DURATION	TOPIC	SPECIFIC LEARNING OBJECTIVES	ACTIVITY	SKILLS
June	Pre-math concepts	Recall Pre-math concepts of Shapes and Measurement.	Circle time Learn to identify numbers using flash cards and different objects. Fun with Mental Math. Multimedia Presentation	Sequencing. Analysing relationships. Numerical calculation. Analysing relationships. Applying imagination. Comparing and contrasting.
	Numbers up to 10	Identify and sequence numbers up to 10.		
	Addition up to 10	To understand and recognize that addition is putting together.		
July	Subtraction up to 10	To understand and recognize that subtraction is the difference between two numbers.	Story time. Bead/rajma activity. Various games to increase speed and accuracy in calculation Learn to identify numbers using flash cards and different objects. Using icecream sticks/beads/colour pencils. Role play Worksheet Multimedia Presentation	Sorting and Sequencing. Analysing relationships. Numerical calculation. Processing the information
	Numbers up to 20	Identify and sequence numbers up to 20.		
	Addition and Subtraction up to 20	To learn the basic operations of addition and subtraction of numbers up to 20.		
August	More Numbers 21-100	Identify and sequence numbers up to 100.	Comparison of numbers using number cards. Skip counting (Circle time) Mental Maths	Sorting Sequencing Comparing
September	Addition and Subtraction up to 99	Recall the addition skills Ensuring the writing of numbers in their correct position according to place values, during addition. Develop speed and accuracy in solving problems. Recall the subtraction skills. Develop speed and accuracy in solving problems.	Using icecream sticks/beads/colour pencils. Role play Worksheet Story time. Mental Maths	Extending ideas to life related problems. Sorting. Processing the information Numerical calculation.
	Measurement	Identify and compare different units of	Measure the length, weight and capacity of different	Comparing and contrasting

		measurement.	objects. Using a model of clock.	Applying imagination.
October	Time	Understand the concept of time.		Asking relevant questions Extending ideas.

Session Two: November 2018 to March 2019

Project: Collect /draw pictures of objects that have the following shapes: Cube, cuboid, sphere, cone and cylinder.

November	Money Patterns	Identify the values of different coins and currency notes.	Circle time Shopping game.	Asking relevant questions Processing information Analyzing relationships.
		To identify the patterns and relate them to different objects in daily life.	Observe the different patterns in and around the classroom.	
December	Shapes and Spatial Concepts	To identify various shapes on the basis of their observable features and relate them to different objects in daily life.	Building blocks to identify different shapes. Observe the different patterns and shapes in and around the class.	Comparing and contrasting Interpretation and analysis Presentation skills.
	Introduction to Multiplication	Learn multiplication tables 2, 5 and 10. Explains the purpose of using multiplication. Computes accurately.	Oral recitation of times tables of 2, 5 and 10. Fun with Mental Math Multimedia Presentation Mental Maths	Analysing relationships. Comparing and contrasting. Logical thinking. Solving daily life problems.
January	Introduction to Multiplication			
February	Data Handling	Develop, organize and interpret the given data.	Organize and interpret informations about birthdays, favourite sweets and television shows etc.	Processing information Interpretation and analysis.

RESOURCES

Books	Websites/Interactive software
<ul style="list-style-type: none"> • Text Book: Top Score Mathematics-Macmillan Education • Inspiration ICSE Mathway • Maths N U – Chand Publications • Primary Mathematics • Exploring Mental Mathematics-Rachana Sagar Pvt. Lt • ICSE Understanding Mathematics 	<ul style="list-style-type: none"> • www.creative Mathematics.com • www.easy calculation.com • www.maths is fun.com • www fun 4 the brain.com • www.primary resourses.uk <p>Multimedia Presentation Iken Edu Math Pebbles live</p>