

YEAR PLAN 2018 - 2019
Grade III 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: July, August, September, November, December, January, February

Summative Assessment I: October 2018

Summative Assessment II: March 2019

Aim: Develop an insight into the relationship of different topics and branches of the subject.

Develop problem solving skills and to apply the same in the daily life situation.

Enduring Understanding: To learn to appreciate the role played by mathematics in modern life.

Objectives: To

- Learn mathematical language, symbols, definitions etc.
- Understand the significance and use of measurement.
- Learn to perform calculations accurately.
- Develop various skills like problem solving, logical reasoning and drawing.

Session One: June 2018 to October 2019

Project I: Collect any three symmetrical and non-symmetrical objects and specify its relevance in real life.

Duration	Topics	Specific Learning Objectives	Activity	Skills
June	Numbers Greater Numbers Roman Numerals Addition Without Carry Over Addition With Carry Over	Learn to read and count in ten thousands, thousands, hundreds, tens and ones. Correlate the expanded notation with the original number. Compare and order numbers. Learn to distinguish between the place value and face value of the digits. Apply the concept of addition. Develop speed and accuracy in solving problems.	Story time Explain the formation of four and five digit numbers using flash cards and place value cards Number bond Mental Math Beads/paper balls(addition) Multimedia presentation	Comparing Sequencing and sorting Generating and extending ideas Processing the information Analyzing relationships of numbers Solving daily life problems related to addition.
July	Subtraction without borrowing Subtraction with borrowing Geometry	Reinforcing concept of subtraction. Develop speed and accuracy in solving problems. Learn more about solid shapes and flat shapes. Develop the skill to draw the accurate geometrical figures.	Flash cards Using building blocks Creating different shapes using ice-cream sticks/drinking straws. Measuring the length of class room objects and finding the perimeter. Worksheets Fun with Mental Math Multimedia presentation	Solving daily life problems related to subtraction. Generating and extending ideas Looking for alternative outcomes Applying imagination Asking relevant questions Analyzing relationships
August	Shapes and Patterns Multiplication	Learn to identify symmetrical figures and find lines of symmetry by paper folding. Compute accurately Learn to : Multiply 3-digit and 4-digit numbers by a 1-digit number. Multiply 2-digit and 3-digit number by a 2-digit number. Apply multiplication in daily life problems.	Oral recitation of multiplication tables (2 to 10) Story time. Creating context from the real life in which multiplication facts have to be used. Fun with Mental Math Multimedia presentation	Solving daily life problems related to multiplication. Processing the information Comparing and contrasting
September	Division Revision	Reinforcing the concept of division by demonstrating concrete examples of grouping. Develop speed and accuracy in solving problems related to division with 1 digit divisor.	Story time to understand the concept of division. Using rajma/beads. Fun with Mental Math	Solving daily life problems related to division. Generating and extending ideas Analyzing relationships Testing conclusions
October	SA I EXAM			
	Data Handling	Acquire understanding about data handling	Collect data related to various daily life situations and represent as pictograph	Interpretation and analysis Presentation skills.

Session Two : November 2017 to March 2018

Project II: To draw a pictograph for the given data.

November	Fractions	Learn more about fractions and to write them on the number line. Add and subtract fractions with like denominators.	Using various objects from real life. Fun with Mental Math Worksheets Multimedia presentation	Applying imagination Generating and extending ideas Looking for alternative innovative outcomes
December	Time Measuring Length	Understand the concept of time Read the time correctly to the hour using a clock/watch. Applying the concept of time in daily life situations. Understands the relation between: metre and kilometre	Using a model of a clock Analyzing the given data and answering the questions related to time (group activity) Estimate and measure various objects in the environment using paper strips. Mental Math	Solving daily life problems Applying imaginations Looking for alternative and innovative outcomes Explaining thinking Analyzing relationships
January	Measuring Mass Measuring Capacity	Learn to use the appropriate units of measurement. Understand the relation between: gram and kilogram, litre and millilitre	Using different types of equipment to measure mass and capacity Oral discussion to reinforce conversion of units Mental Math	Solving daily life problems Comparing units Applying imaginations Looking for alternative and innovative outcomes Analyzing relationship Asking relevant questions Extending ideas
February	Money	Identify coins and currency notes. Understand value of money and its use in day to day life	Group activity to identify coins and currency notes.	Solving daily life problems related to money Innovative and alternative outcomes Generating and extending ideas Sorting

Resources

- **Text Book:** Mathway- Inspiration
- Targeting Mathematics- Madhuban Publications
- Pyramid Mathematics- The McGraw-Hill Companies
- Maths N U – Chand Publications
- Primary Mathematics

- Websites:
- Creative Mathematics.com
 - Easy calculation.com
 - Maths is fun.com
 - Fun 4 the brain
- Multimedia
- Iken Edu Math
 - Pebbles live