



SPLIT UP OF SYLLABUS (2017-18)

GRADE: 7

Subject: ___ Maths

Teacher Name: Sreedevi Naresh , Elizabeth

M	Unit/Chapter	Concepts/Sub topic	Learning Outcomes	Essential Questions
April	Integers	Introduction	To identify positive and negative Numbers and compare them with other number system	All Integers are natural numbers? Why? Converse is true or not
		Application	Segregating different properties. To construct a real life situation using integers	True or False Questions 1. $a + b = b + a$ 2. $a - b = b - a$ Monkeys jumps 3 steps down and jumps back 2 steps up. In how many jumps will he reach the water level?
	Rational numbers	Introduction	Rational numbers and their properties	
May	Fractions And Decimals	Introduction	Arrange the fractions in ascending order. Operations using Fractions and decimals	Which is greater? $3/5$ or $5/8$
		Application	To construct a real life situation using Decimals	Convert 3450 gram to kilogram
June	Line and Angles	Line and Angles	Identify Complementary and supplementary angle. Construct and Verify that vertically opposite angles are equal Understand vertical opposite angles, linear pair Parallel line and transversal	- Can two obtuse angles are supplementary - Can two acute angles are complementary - Which of the angles are equal - Are those angles opposite to each other
	Exponents and powers	Exponents and powers	Construct a real life situation using Exponents Laws of exponents	- Can you read those numbers? - Can you compare those numbers?
September	Triangle and its Properties	Angle Sum Property	Angle sum property of a triangle Exterior angle property, Inequality property	Can exterior angle of a triangle be a straight line?
	Triangle and its Properties	Pythagoras theorem	Pythagoras theorem	Can you have a triangle with all the 3 angles equal to 60° ?

Recommended Books:



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October	Congruence of a triangle	introduction	Identify congruence through superimposition. Determine triangle congruency by SSS ,SAS,RHS,ASA	-What do you observe - Are the sheets similar in size and shape? - Are they equal? Are these two triangles congruent? -How will you find out that two triangles are congruent?
November	PRACTICAL GEOMETRY	Introduction	Verify the sides property of a triangle. To construct a triangle have 3 sides measurement	Is it possible to construct a triangle?
December	Algebraic Expression	Introduction and Application	Identify like and unlike terms of an algebraic expression. Solve problems on addition of algebraic expression. Design puzzles Related to Algebraic Expression Degree of an expression	1) Define Like terms 2) Define unlike terms 3) Are x^2 and $3xy$ like terms? 4) Are $3xy$ and $-8yx$ like terms?
January	Simple Equation Perimeter and Area	Introduction and Application	Solve simple Equation. Create or Translate the problem situations into algebraic expression	1) What can be assigned to a variable? 2) What would be the LHS of the equation? 3) What would be the RHS of the equation?
February	Data Handling	Introduction and Application	Describe meanings of Data , Importance of Data and how to represent . Construct double bar graph	-Which fruit is Preferred Most? - How to transform raw data in to organised Data?
	Comparing Quantities	Introduction and Application	To Find S.P and C.P	-Which price is greater? - Profit or Loss?
	Comparing Quantities		Construct a real life situation using Simple Interest and compound Interest (to recommend which is better)	-Who pays more Interest? - By how much?

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