

Subject : MATHEMATICS
 Grade : VII
 Year : 2018-19

YEAR PLANNER Text book used: Math Spark Britannica Learning Mathematics

MONTH& NO. OF WORKING DAYS	UNIT	SUB- UNITS	OBJECTIVES	ACTIVITIES PLANNED	ASSESSMENT / RECAP
March/April 19days	Chapter-1 Knowing our numbers	*Addition & Subtraction of integers. *Multiplication & Division of Integers. *Absolute value *Properties of integers. *Simplification of expressions	*To revise the concept of integers, operations on integers under addition, multiplication & division	*Integers-To make a magic square with integers(Pg.14)	Work sheet-1.
June 20days	Chapter-2 Fractions	*Multiplication of fractions *Reciprocal of fractions *Mixed operations	*To identify different types of fractions and multiplication of fractions and understand mixed operations on fractions.	To multiply 2 decimals using square grid(Pg.66)	Work sheet-2 Slip Test1 and 2
	Chapter-4 Decimals	*Multiplication of decimal numbers. *Division of decimal numbers. Metric units of measures.	*To convert metric units of measurements from higher to lower & lower to higher units of measurement.		
July 24days	Chapter-3 Rational numbers	*Representing rational numbers on a number line. * Arithmetic operations on rational numbers. *Representing as decimals.	*To identify and compare rational numbers	To calculate the powers of 2 and 3 by paper folding.(Pg.76)	Work sheet3 Revision Worksheet1 PT-I: Chapter-1 Knowing our numbers Chapter-2 Fractions
	Chapter-5 Exponents and Powers	*Laws of exponents *Decimal no. system *Comparing large no's	To express large numbers in exponential form.		
	Chapter-9 Understanding Shapes	*Types of angles. *Transversals *Parallel lines	*To understand the different types of angles.		

MONTH& NO. OF WORKING DAYS	UNIT	SUB- UNITS	OBJECTIVES	ACTIVITIES PLANNED	ASSESSMENT / RECAP
	Chapter-13 Congruence of triangles	*SSS *ASA *RHS *SAS congruence rules	*To state and verify the properties of congruent triangles.		
December 21 days	Chapter-12 Representing 3-D in 2-D	*2D Shapes *3D Shapes	*To differentiate between 2D&3D shapes.		Work sheet7 Slip Test6
	Chapter-14 Construction	*Geometrical shapes *Triangles	*To identify, congruent objects have same shape & size congruency.		
	Chapter-15 Perimeter and Area	*Perimeter & and area of plane figures	*To calculate area and perimeter of plane figures.	*Perimeter and Area of Plane Figures	
January 17 days	Chapter-16 Data Handling and Probability	*Range *Mean *Median *Mode *Bar graphs * Probability	*To collect ,organise and represent data *To understand the terms experiment, outcome, event, probability	* Math Lab Activity on double – bar graph.	Work sheet-8 Revision worksheet-3 PT-III: Chapter-10 Properties of triangles. Chapter-14 Construction. Chapter-13 Congruence of triangles
February 6 days	Revision	-----	-----	-----	Revision Worksheet-4

Annual Examination Portion: Chapters:5,6,7,8,10,11,12,13,14,15 and 16