

**DAYAWATI MODI PUBLIC SCHOOL, CHANDIL**

**Syllabus**

**Session:-2021-2022**

Class:- VII

Subject : Mathematics

Subject

Teacher:Laxman Kumar

Name of Book:- R S Agarwal

Month	Working Days	Lesson	Art Integrated Project
April	23	Chapter 1. Integers definition of integers, various types of integers, natural numbers, whole numbers addition. Subtraction multiplication and division of integers chapter 2. Fractions definition, types of fractions, addition subtraction, reciprocal and equivalent fractions	
May	24/9	Chapter 3. Decimals definition types comparison of decimals conversion of decimals addition subtraction and division, Chapter 4 Rational numbers, definition, types of rational numbers standard form, represent a rational numbers in number line. Addition, subtraction and multiplication	
June	24/16	Chapter 5. Exponents, laws of the exponents, standard form, expanded form Chapter. 6. Algebraic expression, constant types of expression, addition, subtraction, multiplication, of expression.	
July	25	Chapter 7. Linear equations, solutions of a linear equation, word problems based on linear equations, Chapter 8. Ratio and Proportion, definition of ratio terms of ratio, conversion, definition of proportion, continue proportion third proportion, mean proportion and geometry mean,	
August	23	Chapter. 9 Unitary method, Direct variation and inverse variation and their rules Chapter 10. Percentage, conversions, word problems on percentage	

September	17	Chapter. 11.Profit and loss, some terms related to profit and loss, formula Chapter. 12.Simple interest, principal, interest ,amount, rate formula	
October	17	Chapter 13.Lines and angles, supplementary, complementary, linear pairs of angles vertically opposite angles chapter. 14.Properties of parallel lines, distance between parallel lines, transversal line and related problems	
November	20	Chapter 15.Properties of triangles, various types of triangles, names triangles by considering the lengths of their sides and angles angles sum property of a triangle, Exterior and interior angles of a triangles Pythagoras theorem Chapter 16.congruency,types of congruent of triangles, circles ,congruence conditions  Chapter 17.Constructions,constructions of parallel lines, triangles RHS triangle construction Chapter. 18.Reflection and Rotational symmetry ,rotational symmetry Chapter. 19.Three -Dimensional shapes	
December	20	Chapter 20 Mensuration ,Areas of rectainear figures, Region enclosed by a figures units of units formula, area and perimeter of rectangle areas between two rectangles parallelogram areas rhombus, areas of triangle circle areas circumference of a circle.	
January	23	Chapter 21.Collection and organisation of data mean median and mode Chapter 22 , Bar graph Chapter. 23.Probability introduction, experiment, random experiment, trials, empirical probability	
February	20	Chapter 24.Activities. and revisions of all chapters	