DAYAWATI MODI PUBLIC SCHOOL, CHANDIL

Syllabus

Session:-2021-2022

Class:-   9th   Subject :   Mathematics   Subject Teacher : Laxman Kumar

Name of Book:- R S Aggarwal

Month	Working Days	Lesson	Art Integrated Project
April	23	Chapter 1. Number systems Introduction, Natural numbers, whole numbers, integers, Representation of integers on number line, rational numbers, equivalent rational numbers decimal form irrational numbers and their properties real numbers and their properties. Rationalisation exponents and power ,Exponent and power and laws.	Representing irrational numbers on square root of 2,3,5 in the number line.
May	24/9	Algebra chapter 2.Polynomials terms of algebraic expression, types of polynomials zeros of the polynomials division algorithm, remainder theorem, factor theorem and chapter 3. factorisation in quadratic form, square of trinomial, addition and difference of cubes	
June	24/16	Chapter 4. Linear equation in two variables graph of linear equation in two variables Chapter 5.Co-ordinate Geometry ordered pairs quadrantse quations of x axis and y axis.	
July	25	Chapter. 6.introduction to Euclid, s geometry, axioms and postulate no of lines passing through two given points concurrent lines collinear Chapter 7.Lines and angles, various types of angles complement and supplementary angles, linear pairs of angles parallels lines and related theorems	
August	23	Chapter. 8.triangles,types of triangles exterior and interior angles related theorems. Chapter 9.Congruence of triangles and inequalities in a triangles, criteria for congruency of triangles and related theorems.	

Month		
September	17	Chapter 10.Quadrilaterals types of quadrilateral related theorems mid point theorem
October	17	Chapter 11.Areas of parallelograms and triangles and related theorems Chapter 12 Circles ,radius diameter semicircle, chord chord properties cyclic quadrilateral congruent circles. Related problems and theorems .chapter 13.Geometry constructs
November	20	Chapter 14.Mensuration Areas of triangles and quadrilaterals Herons formula area of a triangles equilateral triangles formula and relatated problem Chapter 15.volume surface area of solid cube cuboid ,cylinder, cone, volume TSA and CSA related problems
December	20	Chapter 16.Statistics and Probability Presentation of data in tabular form frequently distribution table bar graph Histogram and frequency polygon
January	23	Mean, Median and Mode of Ungrouped data. Related formula and problem
February	20	Chapter 19.probabilty definitionProbability. Sample space events, random experiment some operation and their outcomes dice, coins, balls related problems in daily life.