MATHEMATICS CLASS X (2026-27)

MONTH /DATES/ DAYS	CONTENT	H.W./ ASSIGNMENT	ACTIVITY/INTERDISCIPLINARY ASPECT	LEARNING OUTCOME
APRIL(1-15) 11 Days	Ch - 1 Real Numbers The Fundamental Theorem of Arithmetic,Irrational Numbers	Ex 1.1 - Ex 1.2	Math vacab cards	generalises properties of numbers and relations among them
APRIL(16-30) 13 Days	Ch - 2 Polynomials Geometrical Meaning of the zeroes of a polynomial,Relatioship between the zeroes and coefficients of a Polynomial Ch. 3 Pair of Linear Equations In Two Variables Graphical Method of solving Equations, Substitution Method, Elimination Method	Ex 2.1 - Ex 2.2 Ex 3.1 - Ex 3.3	graphic organiser	develops a relationship between algebraic and graphical methods of finding the zeroes of a polynomial. finds solutions of pairs of linear equations in two variables using graphical and different algebraic methods life problems.
MAY(1-15) 6 Days	Ch-14 Probability A Theoretical Approach	Ex 14.1	Tossing coin experiment	Determines the probability of an event and applies the concept in solving daily
JULY(1-15) 12 days	Ch 7. Co-ordinate Geometry Distance Formula, Section Formula	Ex 7.1 - Ex 7.2	Activity - verification of distance formula using graph Art Integration	derives formulae to establish relations for geometrical shapes in the context of a coordinate plane, such as, finding the distance between two given points, to determine the coordinates of a point between any two given points

	Ch-6 Triangles Similar Figures, BPT, Criteria for Similarity of Triangles	Ex 6.1 - Ex 6.3	Activity - verification of BPT	establishes properties for similarity of two triangles logically using different geometric criteria established earlier such as, Basic Proportionality Theorem, e
JULY(16-31) 14 days	Ch-13 Statistics Mean, Median and Mode of grouped data	Ex 13.1 - Ex 13.3	case study - Climate and population studies	calculates mean, median and mode for different sets of data related with real life contexts.
AUGUST (1-15) 10 days	Ch-11 Areas Related to Circles Perimeter and area of circle, Area of sector and segment Ch-8 Trigonometry Trigonometric Ratios	Ex 11.1 Ex. 8.1	Art integration	computes the areas of sectors and segments of a circle, applying these concepts to solve related problems.
AUGUST (16-31) 11 days	Ch-8 Trigonometry Trigonometric Ratios of Some Specific Angles, Trigonometric identities Ch9. Applications of Trigonometry	Ex 8.2-Ex 8.3 Ex 9.1	Activity - verification of trigonometric identity	determines all trigonometric ratios with respect to a given acute angle (of a right triangle) and uses them in solving problems in daily life contexts like finding heights of different structures or distance from them
SEPTEMBER (1-15) 11 days	Ch-12 Surface Areas and Volumes Surface area and volumes of combination of solids **Revision for Half Yearly Examination**	Ex 12.1-Ex 12.2	Activity - making 3D toys using combination of solids	finds surface areas and volumes of objects in the surroundings by visualising them as a combination of different solids
SEPTEMBER (16-30) 12 days	HALF YEARLY EXAMINATION			

OCTOBER (1-15) 10 days	Ch-4 Quadratic Equations Introduction, solution of equations, Nature of roots	Ex 4.1-Ex 4.3	Activity - verification of equality of lengths of tangents from an external point	demonstrates strategies of finding roots and determining the nature of roots of a quadratic equation
OCTOBER (16-31) 11 days	Ch-10 Circles Tangent to a circle, number of tangents to a circle	Ex 10.1-Ex 10.2		derives proofs of theorems related to the tangents of circles
NOVEMBER (1-15) 9 days	Ch-5 Arithmetic Progression Introduction, nth term of an AP	Ex 5.1-Ex 5.2	Activity - verification of formula for sum of first n natural numbers Art Integration	develops strategies to apply the concept of A.P. to daily life situations.
NOVEMBER (16-30) 12 days	Ch-5 Arithmetic Progression sum of first n terms	Ex 5.3		
DECEMBER (1-15) 12 days (16-31) 12 days	PREBOARD EXAMINATION			
JANUARY (1-15)	WINTER BREAK			
JANUARY (16-31) 12 days	REVISION FOR ANNUAL EXAMINATION			
FEBRUARY	ANNUAL EXAMINATION			

TERMWISE SYLLABUS

UNIT TEST 1	**Ch-1,2,3,14**
HALF YEARLY	**Ch -1,2,3,6,7,8,11,14**
PREBOARD	**Complete Syllabus**