ACADEMIC PLANNER 2024-25			
Mathematics			
Class IX			
DATES/MONTHS	**CONCEPT TO BE TAKEN**	**C.W/H.W./ASSIGN.**	**Activity/Mode of Assessment**
APRIL			
1-15 (11 days)	**Ch-1 NUMBER SYSTEM** Introduction.	EX-1.1	To construct the square root spiral
	Irrational nos.	EX-1.2	
	Representation of Real nos. on no. line.	EX-1.3, 1.4	
	Operations on Real Nos.		
	Laws of exponents for Real Numbers.	EX-1.5	
16-30 (11 days)	**Ch-2 POLYNOMIAL** Introduction	EX-2.1	Verification of algebraic identity $(a+b+c)^2 = a^2+b^2+c^2+2ab+2bc+2ca$
	Polynomials in one variable Zeroes of a polynomial	EX-2.2	
	Factorization	EX-2.3	
	Algebraic Identities	EX-2.4	
MAY			
1-15 (12 days)	**Ch-3 COORDINATE GEOMETRY** Introduction	EX-3.1	Online Assessment Educosoft
	Cartesian System	EX-3.2	
16-25 (8 days)	**Ch-4 LINEAR EQUATION IN TWO VARIABLES** Introduction		Online Assessment Educosoft
	Formation of Linear equations	EX-4.1	
	Solution of Linear equation	EX-4.2	
JULY			
1-15 (12 days)	**Ch-6 LINES AND ANGLES** Introduction		To verify that when two lines intersect then vertically opposite angles are equal
	Basic terms and Definition	EX-6.1	
	Pairs of angles		
	Parallel lines and Transversal	EX-6.2	
16-31 (13 days)	**Ch-7 Triangles** Introduction to congruence.	EX-7.1	Online Assessment Educosoft
	Conditions for Congruence of triangles.	EX-7.2	
	Isosceles triangle property RHS congruency rule	EX-7.3	
AUGUST			
1-15 (11 days)	**Ch-10 HERON'S FORMULA** Introduction Area of a triangle when lengths of the sides of a triangle are given.	EX-10.1	Online Assessment Educosoft
16-31 (12 days)	**Ch-5 INTRODUCTION TO EUCLID GEOMETRY.** Euclid's definitions, Axioms and Postulates.	EX-5.1	Online Assessment Educosoft
	Equivalent versions of Euclid's Fifth Postulate.		
SEPTEMBER			
1-15 (11 days)	**Revision for Half yearly exams**		
16-30 (12 days)	*Half Yearly Examination*		
OCTOBER			
1-15 (9 days)	**Ch-11 SURFACE AREAS AND VOLUMES**		Online Assessment Educosoft
	SA of Right Circular Cone.	Ex-11.1	
	SA of a Sphere.	Ex-11.2	
16-31 (12 days)	Volume of Right circular cone	Ex-11.3	Online Assessment Educosoft
	Volume of sphere	Ex-11.4	
NOVEMBER			
1-15 (10 days)	**Ch-12 STATISTICS**		To verify that a diagonal divides a parallelogram into two congruent triangles
	Histogram of uniform width Histogram of varying width. Frequency Polygons	EX-12.1	
16-30 (13 days)	**Ch-8 QUADRILATERALS**		To verify that the straight line joining Mid-Points of any two sides of a triangle is parallel to the third side and is equal to half of it.
	Properties of Parallelogram	EX-8.1	
	Mid point theorem.	EX-8.2	
DECEMBER			
1-15 (11 days)	**Ch-9 CIRCLES** Angles subtended by equal chords at the centre are equal and vice-versa.	Ex-9.1	Online Assessment Educosoft
	Perpendicular from the centre to the chord bisects the chord and vice-versa	Ex-9.2	

16-31 (13 days)	**Ch- 9 CIRCLES** Equal chords and their distances from the centre Angle subtended by an arc of a circle Cyclic Quadrilateral	Ex-9.3	To verify that angle subtended by an arc at the centre is double the angle subtended by it on the remaining part of circle.
JANURARY			
1 - 15	**Winter Break**		
16-31 (13 days)	**Revision for Annual Exams**		Online Assessment Educosoft
FEBRUARY			
1-15 (12 days)	**Revision for Annual Exams**		
16-28 (10 days)	**Annual Examination**		

TERMWISE SYLLABUS	
Unit Test - 1	Chapters -1,2,3
Half yearly	Chapter-1,2,3,4,5,6,7,10
Unit Test - 2	Chapters- 11, 12
Annual Exams	Chapter-1,2,3,4,5,6,7,8,9,10,11,12