

ACADEMIC PLANNER 2023-24			
Mathematics			
Class IX			
DATES/MONTHS	CONCEPT TO BE TAKEN	C.W/H.W./ASSIGN.	Activity/Mode of Assessment
APRIL			
1-15 (9 days)	Ch-1 NUMBER SYSTEM Introduction. Irrational nos. Representation of Real nos. on no. line. Operations on Real Nos. Laws of exponents for Real Numbers.	EX-1.1 EX-1.2 EX-1.3, 1.4 EX-1.5	To construct the square root spiral
16-30 (11 days)	Ch-2 POLYNOMIAL Introduction Polynomials in one variable Zeroes of a polynomial Factorization Algebraic Identities	EX-2.1 EX-2.2 EX-2.3 EX-2.4	Online Assessment Educsoft
MAY			
1-15 (11 days)	Ch-3 COORDINATE GEOMETRY Introduction Cartesian System	EX-3.1 EX-3.2	Online Assessment Educsoft
	Ch- 4 LINEAR EQUATION IN TWO VARIABLES Introduction Formation of Linear equations Solution of Linear equation	EX-4.1 EX-4.2	Verification of algebraic identity $(a+b+c)^2 = a^2+b^2+c^2+2ab+2bc+2ca$
JULY			
1-15 (12 days)	Ch- 6 LINES AND ANGLES Introduction Basic terms and Definition Pairs of angles Parallel lines and Transversal	EX-6.1 EX-6.2	To find the centroid of a triangle and verify that centroid divides the median in the ratio 2:1
16-31 (12 days)	Ch- 7 Triangles Introduction to congruence. Conditions for Congruence of triangles. Isosceles triangle property RHS congruency rule	EX-7.1 EX-7.2 EX-7.3	Online Assessment Educsoft
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 Educsoft
16-31 (13 days)	Ch- 5 INTRODUCTION TO EUCLID GEOMETRY. Euclid's definitions, Axioms and Postulates. Equivalent versions of Euclid's Fifth Postulate.	EX-5.1	Online Assessment Educsoft
SEPTEMBER			
1-15 (11 days)	Revision for Half yearly exams		
16-30 (12 days)	Half Yearly Examination		
OCTOBER			
1-15 (10 days)	Ch- 11 SURFACE AREAS AND VOLUMES SA of Right Circular Cone. SA of a Sphere.	Ex-11.1 Ex-11.2	Online Assessment Educsoft
16-31 (9 days)	Volume of Right circular cone Volume of sphere	Ex-11.3 Ex-11.4	Online Assessment Educsoft
NOVEMBER			
1-15 (9 days)	Ch- 12 STATISTICS Histogram of uniform width Histogram of varying width. Frequency Polygons	EX-12.1	Online Assessment Educsoft
16-30 (12 days)	Ch- 8 QUADRILATERALS Properties of Parallelogram Mid point theorem.	EX- 8.1 EX- 8.2	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.
DECEMBER			
1-15 (12 days)	Ch- 9 CIRCLES Angles subtended by equal chords at the centre are equal and vice-versa. Perpendicular from the centre to the chord bisects the chord and vice-versa	Ex -9.1 Ex-9.2	Online Assessment Educsoft

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 Educsoft
FEBRUARY			
1-15 (12 days)	Revision for Annual Exams		
16-28 (11 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		