

SYLLABUS 2023-24

CLASS - IX		SUBJECT: MATHEMATICS	
MONTH	TEXT BOOK - TOPIC	DIGITAL RESOURCES	SUBJECT ENRICHMENT ACTIVITIES
APRIL	CH-1 Number systems CH-2 Polynomials	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 1 – Verify the Identity $a^3 + b^3 = (a+b)(a^2 - ab + b^2)$ Chapter 2 • Activity 2 – Verify the Identity $(a - b)^3 = a^3 - 3a^2b + 3ab^2 - b^3$ Chapter 2
MAY	CH-6 Lines and angles	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 3 – Verify that the Sum of the Angles of a Triangle is 180° Chapter 6
JULY	CH-3 Coordinate Geometry CH-12 Area of triangle-Heron's formula	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 4 – To plot the points in a Cartesian plane by activity method & obtain the mirror image of a given geometrical figure with respect to x-axis & y-axis. Chapter 3
AUGUST	CH-13 Surface areas and Volumes	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 5 – To obtain the formula for the surface area of a sphere. Chapter 13
SEPTEMBER	CH-7 Triangles	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 6 – To verify experimentally the different criteria for congruency of triangles using triangle cut outs. Chapter 13
OCTOBER	CH-8 Quadrilaterals CH-5 INTRODUCTION TO EUCLID'S	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 7– Mid-point theorem, using paper cutting and pasting methods. Chapter 8
NOVEMBER	CH-14 Statistics CH-4 Linear equation in two variables	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 8– Angles in a semi- circle, major segment and minor segment. Chapter 10
DECEMBER	CH-10 Circles	Explanation will be done by videos of smart class.	<ul style="list-style-type: none"> • Activity 9– To verify cyclic quadrilateral theorem using the method of paper cutting, pasting and folding. Chapter 10
JANUARY	Revision of annual examination	Explanation will be done by videos of smart class.	

FEBRUARY	Revision of annual examination	Explanation will be done by videos of smart class.	
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