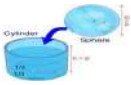
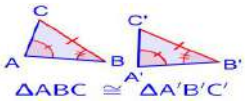
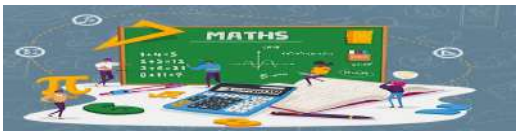
SYLLABUS 2022-23

SUBJECT : MATHS		CLASS - IX
TERM I		
MONTH	**TEXT BOOK - TOPIC**	**E LIBRARY TOPIC**	**ACTIVITY PROJECT/READING/ASL**
APRIL	CH-1 Number systems CH-2 Polynomials	CH-1 Number systems CH-2 Polynomials	• 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 	CH-6 Lines and angles 	• 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	CH-3 Coordinate Geometry CH-12 Area of triangle-Heron's formula	• 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	CH-13 Surface area and Volume 	• Activity 5 –To obtain the formula for the surface area of a sphere. Chapter 13
SEPTEMBER	CH-7 Triangles 	CH-7 Triangles	• Activity 6 – To verify experimentally the different criteria for congruency of triangles using triangle cut outs. Chapter 13
TERM II		
OCTOBER	CH-8 Quadrilaterals CH-5 INTRODUCTION TO EUCLID'S GEOMETRY	CH-8 Quadrilaterals CH-5 INTRODUCTION TO EUCLID'S GEOMETRY	• Activity 7– Mid-point theorem, using paper cutting and pasting methods. Chapter 8
NOVEMBER	CH-14 Statistics CH-4 Linear equation in two variables	CH-14 Statistics CH-4 Linear equation in two variables	• Activity 8– Angles in a semi- circle, major segment and minor segment. Chapter 10
DECEMBER	CH-10 Circles 	CH-10 Circles	• Activity 9– To verify cyclic quadrilateral theorem using the method of paper cutting, pasting and folding. Chapter 10
JANUARY	Revision of annual examination	Revision of annual examination	
FEBRUARY	Revision of annual examination	Revision of annual examination	