

ACADEMIC PLAN 2023-24**CARMEL CONVENT SR. SEC. SCHOOL RATANPUR BHOPAL****STD 10****Subject MATHEMATICS**

Month	Name of the unit/ chapter	Learning Outcomes	Suggested activity/Projects/Practicals	Assignments	Assessment
April	Ch 1 Real numbers Ch 2 Polynomials Ch 3 Linear equations in two variables.	Applies logical reasoning in classifying real numbers, proving their properties and using them in different situation Polynomials among algebraic expression and factorizing . Algebraic and graphic representation of linear equation and apply them in daily life.	1.Condition for consistency of a system of linear equation in two variables by graphical method.	Worksheet of ch 1 and 2	On the basis of worksheet
June	Ch 3 continues		2.Art Integrated activity- Parabola	Questions from NCERT exemplar	Oral questions will be asked.
July	Ch 4 Quadratic equation Ch 6 Triangles	Finding roots and determining the nature of roots Basic proportionalit	3.Art integrated project : Model making.	Questions from other reference books.	PT1 (ch 1,2 and 3)

	Ch 7 Coordinate Geometry	y theorem, property of similarity of triangle Finding the distance between the points,determ ine the coordinates of a point between two given points.			
August	Ch 8 Introducti on to trigonome try Ch 5 Arithmetic Progressi on Ch 15 Probabilit y	Determine trigonometric ratios Apply the concept of A .P to daily life situation. Determine the probability of an event and applies the concept of solving daily life problems.	4.Trignometrical ratios for $30^\circ, 45^\circ, 60^\circ$ 5. To verify the given sequence is an arithmetic progression by paper cutting and pasting	Workshee t of ch 8,5,15	Peer evaluation of worksheet.
Septemb er	Ch 9 Some applicatio ns to trigonome try	Finding height of different structures or distance from them.	6. PPT on any topic From the syllabus.		PT2(Term1)- Ch 1,2,3,4,5,6, 7,8 and 15
October	Ch 10 Circles Ch 12 Area related to circle Ch 13 Surface area and	Proofs of theorem related to tangents of circle. Finding area of sector and segment. Surface area and volumes of objects in	7. The length of tangent drawn from an external point are equal by paper cutting and pasting.	Workshee t on ch 10,12,13	On the basis of worksheet.

	volumes	the surrounding by visualising them as a combination of solids.			
November	Ch 14 Statistics	Calculate mean , mode and median of data related to real life context.	8. To verify that the angles in the same segment of a circle are equal, using the method of paper cutting and pasting.	Questions from other books.	Oral questions will be asked.
December					PT3 (Final exam)
January					Pre-Board
February					Remedial class
March					Board Exam

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Signature of Subject coordinator