BISHOP SCOTT BOYS' SCHOOL

C = Qurriculum
D = Development &
L = Learning
D = Objectives







BISHOP SCOTT BOYS' SCHOOL

STUDENT CURRICULUM MANUAL

	Su	bject : Mathematics	Class: 10	A		Academic Plan : 2025 -26
М	onth	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
		LESSON 1 : Real Number	 Fundamental Theorem of Arithmetic Proofs of irrationality of V2, V3, V5 Expressing rational number in p/q form Terminating and non terminating decimal Properties of numbers 	Activity 1	8	
April	ril	LESSON 2 : POLYNOMIALS	 Zeros of polynomials Relationship between zeros and coefficients of polynomial Remainder theorem Craphical magning of zeros of correct of correct	Activity 2	12	
			Graphical meaning of zeros of polynomials	Sol		
Ma	у	LESSON 3 : C Pair of Linear Equations in Two Variables	 Consistent and Inconsistent system of Linear Equations. Graphical solution of system of liner equations in two variables 	Activity 3	14	R

Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
June	LESSON 3 : Pair of Linear Equations in Two Variables	 Solving Linear Equations in two variable by Method of Substitution , Method of Elimination Word Problems based on linear equations in two 		13	
July	LESSON 4: QUADRATIC EQUATIONS.	 Standard form of a quadratic equation ax2 + bx + c = 0, (a ≠ 0) Finding Roots of a Quadratic equation Finding sum of the roots of quadratic equation Finding product of roots of quadratic equation Nature of Roots of quadratic equation 	Activity 4	10	Portion for PT-01 Lesson -1 Lesson -2 Lesson -3 Lesson -4
July	LESSON 5 : ARITHMETIC PROGRESSIONS	 Finding nth term of Arithmetic Progression Finding sum of first n terms of A.P Finding Arithmetic mean Common properties of Arithmetic series Sum of first n natural numbers Application in solving daily 	Activity 5	8	R

		life problems.			
	LESSON 6 : TRIANGLES	 Similar Figures Congruent Triangles Similarity of Triangles Criteria for Similarity of Triangles Basic Proportionality Theorem Converses of Thales' Theorem 	Activity 6	10	
August	LESSON 7: CO-ORDINATE GEOMETRY	 Distance formula to find distance between any two points. Criteria for three point to be collinear Section formula Mid point formula 	Activity 7	10	R
	LESSON 8 : INTRODUCTION TO TRIGONOMETRY	 Trigonometric ratios Values of the Trigonometric Ratios of 0°, 30°, 45°,60°, 90° Relations between the trigonometric ratios. 		12	

Trigonometric Identities		

Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
September	REVISION	REVISION	Activity 8	10	Portion for TERM - 1 Lesson - 1 Lesson -2 Lesson -3
	C	RISHO	P Scor		Lesson -4 Lesson -5 Lesson -6 Lesson -7 Lesson -8
October	LESSON 9: SOME APPLICATIONS OF TRIGONOMETRY	 Application of trigonometry in daily life (HEIGHTS AND DISTANCES) Find out angle of elevation Find out angle of depression 	Activity 9	8	

	LESSON 10 : CIRCLES	 Tangent to the circle The tangent at any point of a circle is perpendicular to the radius through the point of contact. Difference between tangent and secant Finding length of tangent using formula Number of Tangents from a point on a circle The lengths of tangents drawn from an external point to a circle are equal. 	Activity 9	7	
Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
	LESSON 11 : AREA RELATED TO CIRCLES Problems based on areas and perimeter / circumference of the above said plane figures.	 Finding length of minor/major arc of circle Area of sectors and segments of a circle. Finding area of major arc and minor arc of a circle 	Activity 10	10	Portion for PT - 2 Lesson -8 Lesson -9

November	LESSON 13 : SURFACE AREAS AND VOLUMES	 Surface areas of combinations of any two solids volumes of combinations of any two solids 		8	Lesson -10 Lesson -11
December	LESSON 13 : STATISTICS	 Finding the mean of Group data Mode of Group Data Median of Group Data 		6	Lesson - (01 to 14) PREBOARD 01
	LESSON 14 : PROBABILITY	 Classical definition of probability. Simple problems on finding the probability of an event 		6	
Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
January + February	REVISION	BISHU	SCOP		PREBOARD 2