

KLE ENGLISH MEDIUM SCHOOL

JULE SOLAPUR

GRADE- X SYLLABUS SPLIT 2023-24
PERIODIC TEST - II AND CBSE BOARD EXAM

MATHEMATICS					
SR.NO.	MONTH	UNIT/SUB-UNIT	VALUES	ACTIVITIES/PROJECTS	EXAMINATION
1	April	1. Real Numbers (10)	To develop numerical and logical thinking	Puzzle	
		1.1 Introduction			
		1.2 The Fundamental theorem of Arithmetic			
		1.3 Revisiting Irrational Numbers			
2	April	2. Polynomials (8)	Roller coaster designer use polynomials to describe the curves	Give the different graphs of polynomials and tell the students to write the type of polynomial and the number of zeroes. Puzzle	
		2.1 Geometrical meaning of The Zeroes of a Polynomial			
		2.2 Relationship between zeroes and coefficients of a polynomial			
3	April	3. Pair of Linear Equations in two variables (15)	Develops concentration skills attention and social values	Give the examples to obtain the conditions for the consistency of a system of linear equations in two variables by graphical method.	
		3.1 Graphical Method of solution of a Pair of Linear Equations			
4	June	3.2 Algebraic Methods of Solving a pair of Linear Equations			
		3.3.1 Substitution Method			
		3.3.2 Elimination method			
		10. Circles (10)	Solves real life problems	Puzzle	
		10.1 Tangent to a circle			

		10.2 Number of tangents from a point on a circle			
5	July	6. Triangles (15)	Solves real life problems	To verify “The Basic Proportionality theorem” by performing an activity.	
		6.1 Similar Figures			
		6.2 Similarity of triangles			
		6.3 Criteria for Similarity of Triangles			
6	July	8. Introduction to Trigonometry (15)	To solve real life prblems.	Make the booklet of the trigonometric ratios	
		8.1 Trigonometric Ratios			
		8.2 Trigonometric Ratios of some specific angles			
		8.3 Trigonometric Identities			
7	August	13. Statistics (15)	Groups the data for score boards/ weather forecast/ result --etc	Find the Mean mode and median of 3,4&5 letter words from the paragraph given	
		13.1 Introduction			
		13.2 Mean of grouped data			
		13.3 Mode of grouped Data			
		13.4 Median of grouped Data			
8	August	9. Applications of Trigonometry (8)	To find the height of tower	Find the height of your house by taking the angle and the length of the shadow.	PERIODIC TEST-II
		9.1 Heights and Distances			
9	Sept	7. Co-ordinate Geometry (10)	To plot the graphs	From the given informatioon find the area of the triangles	PERIODIC TEST-II
		7.1 Distance formula			
		7.2 section Formula			

10	Sept	4. Quadratic Equations (15)	To solve real life problems such as rise and falls of profit	Define the graph of quadratic polynomial and find the x and y intercepts.	PERIODIC TEST-II
		4.1 Introduction to quadratic equations			
		4.2 Solutions of Quadratic Equations by Factorisation			
		4.3 Nature of Roots			
11	October	5. Arithmetic Progressions (10)			
		5.1 Introduction to Arithmetic Progression			
		5.2 nth Term of AP	To solve the real life problems, develops the logical thinking	To verify that the given sequence is an arithmetic progression by paper cutting and pasting method.	PERIODIC TEST-II
		5.3 Sum of First n Terms of an AP			
12	Nov	11. Areas Related to Circles (12)			
		11.1 Introduction			
		11.2 Areas of sector and segment of a circle.	Improves knowledge of space, can apply in constructions of buildings.	Take a square shaped hand kerchief and do the patch work of 9 congruent circles on that and find the remaining area of the kerchief	
13	Nov/Dec	12. Surface Areas and Volumes (12)			
		12.1 Surface Area of a Combination of Solids			
		12.2 Volume of a Combination of Solids	A toy manufacturer who needs how much material required for making the toys	Prepare a toy /model by combining two or more than solid shapes and find it's TSA and volume	
14	Dec	14. Probability (5)			
		14.1 Probability- A Theoretical Approach	Trade on Finance and market	Find the probability of the 3,4,5letter words from the table prepared in L. No. 14	
Jan/ Feb		REVISION OF ALL THE CHAPTERS FROM 1 TO 14 FOR THE CBSE BOARD EXAM			