KLE ENGLISH MEDIUM SCHOOL
JULE SOLAPUR
GRADE- IX SYLLABUS SPLIT 2023-24
PERIODIC TEST - II AND TERM - II EXAMINATION

SR.NO.	MONTH	UNIT/SUB-UNIT	VALUES	ACTIVITIES/PROJECTS	EXAMINATION
1	April	**Number System** Irrational Numbers Real Numbers and their Decimal Expansions Representing Real Numbers on the Number Line Operations on Real Numbers Laws of Exponents for Real Numbers	To develop numerical and logical thinking	Represent irrational numbers on the number line by spiral method. Number puzzle	
2	April/ June	**Polynomials** Polynomials in One Variable Zeroes of a Polynomial Factorisation of Polynomials Algebraic Identities	To develop the arithematic skills	Prepare list of identities, puzzle and activity sheet	
3	June	**Heron's Formula** Area of a Triangle –by Heron's Formula	Develops social value, disciplinary value	Ask the students to check the triangular objects in their houses and find the areas of those.	
4	June/July	**Coordinate Geometry** The cartesian plane coordinates of a points names and terms associted with the coordinate plane notations	To develop disciplinary value	Name the point represented by the given coordinates and identify the names of Mathematicians. Students locate the position of the classroom	
5	July	**Lines and Angles** Basic Terms and Definitions Intersecting Lines and Non Intersecting Lines Pairs of Angles Lines Parallel to the same Line	Develops social value, disciplinary value	By using icecream sticks explain the different pairs of angles. Ask the students to get the information of the same from the engineers and architectures.	
6	August	**Triangles** Congruence of Triangles Criteria for Congruence of Triangles Some Properties of a Triangle Some more Criteria for Congruence of Triangles	Develops social value, disciplinary value	Different measurments of the triangles are given to the students and tell them to cut the triangles of the measurment given and make the pair and name the coungruence test.	
7	August	**Linear Equations in Two Variables** Linear Equations Solution of a Linear Equation	Develops concentration skills,attention and social values	Draw the graph of a linear equation	PERIODIC TEST-II
8	September	**Statistics** Graphical Representation of Data Bar Graphs, Histogram, Frequency Polygon	Skills of handelling instruments and accuracy. Develops concentration skills	Ask the students to collect the data of the 2, 3, 4 wheelers for an hour in a particular area and represent it on a bar graph.	PERIODIC TEST-II
9	October/ November	**Quadrilaterals** Properties of a Parallelogram The mid-point Theorem	Develops concentration skills	Cut outs of different quadrilaterals to study the properties	PERIODIC TEST-II
10	December	**Circles** Angle Subtended by a Chord at a Point Perpendicular from the Centre to a Chord Equal Chords and their Distances from the Centre Angle Subtended by an Arc of a Circle Cyclic Quadrilaterals	Develops the concentration skills and recreational values	Puzzle	
11	December/ January	**Surface Areas and Volumes** Surface Area of Cuboid And Cube Surface Area of Right Circular Cylinder Surface Area of a Right Circular Cone Surface Area of a Sphere Volume Of a Cuboid Volume Of a Cylinder Volume Of a Right Circular Cone Volume Of a Sphere	Accuracy and precesion. Knowledge of space. Develops concentration skills. Develops recreational values	Students measure the each track and compare.	
12	January	**Introduction to Euclid's Geometry** Euclid's definitions, Axioms And Postulates	Develops the concentration skills and Accuracy.	Write Euclid's postulates on sheet with explaination(diagram)	
	Feb / March	REVISION OF ALL THE CHAPTERS FROM 1 TO 12 FOR THE TERM - II EXAMINATION			