

# KLE ENGLISH MEDIUM SCHOOL

JULE SOLAPUR, SOLAPUR

SYLLABUS SPLIT (2023 - 24)

## MATHEMATICS

SR. NO	MONTH	UNIT / SUBUNIT	VALUES	ACTIVITY/PROJECT	EXAM
1	October	<b>Power</b>	To develop numerical and logical thinking	Folding paper maximum no of times	<b>PERIODIC TEST-II</b>
		What is Exponential Notation? Number 1 As Base and Power, Laws of Exponents, Laws of Exponents Applied to Negative Exponents, Scientific Notation			
2	October	<b>Applications of Percentages</b>	To develop numerical and logical thinking	Calculating the percentage of given data	<b>PERIODIC TEST-II</b>
		Percentage, Profit and Loss, Discount and Sales Tax			
3	November	<b>Simple and Compound Interest</b>	To make connections in between mathematics and everyday thinking	To observe bank passbook to understand interest and interest rate.	<b>PERIODIC TEST-II</b>
		Simple Interest, Compound Interest, Compound Interest Calculated for different Units of Time, Compound Interest using Formula, Company deposits, Finding Principal, Rate or Time			
4	November	<b>Probability</b>	To develop Critical thinking and analytical skills	Playing a game with a dice	<b>TERM-II EXAMINATION</b>
		The basics of Probability, Calculating Probability Theoretically			
5	December	<b>Algebraic Expressions</b>	To factorise polynomials	To find the value of unknown number	<b>TERM-II EXAMINATION</b>
		Algebraic Expressions, Operations on Polynomials, Factors of a Polynomial			
6	December	<b>Identities and Factorisation</b>	To apply algebraic Identities	Geometrical Representation of square numbers	<b>TERM-II EXAMINATION</b>
		What are Identities? Factorisation, Factorisation using Identities,			
7	January	<b>Area</b>	To develop the skill of problem solving	To find area of some objects found at Home.	<b>TERM-II EXAMINATION</b>
		Area of Rectangle and Square, Areas of Quadrilaterals, Area of Irregular figures			

8	January	<b>Volume and Surface Area</b>	To apply area and volume formula in real life situations	Find Volume of any five objects found at Home.	<b>TERM-II EXAMINATION</b>
		Three - Dimensional Solids, Volume and Surface Area, Cylinder			
9	February	<b>Direct and Inverse Variation</b>	To develop numerical and logical thinking	To identify direct and inverse variation for the given examples.	<b>TERM-II EXAMINATION</b>
		Ratio and Proportion, Direct Variation, Inverse Variation, Time and work			
10	February	<b>Data Handling</b>	Skills of observation interpretation & Accuracy	To prepare the bar graph and Pie Chart of given examples.	<b>TERM-II EXAMINATION</b>
		Raw Data, Frequency Distribution, Arithmetic Mean, Grouping Data into class Intervals, Types of Class intervals, Bar Graphs and Histograms, Pie Charts, Constructing Pie Charts			
11	February	<b>Playing with Numbers</b>	To develop thinking and Arithmetic skills	To create your own number patterns and puzzles.	<b>Activity</b>
		Generalised Form of a Number, Cryptarithm, Divisibility Tests for Generalised Form of A Number			
	March	Revision			<b>Annual Examination</b>