KLE ENGLISH MEDIUM SCHOOL
JULE - SOLAPUR, SOLAPUR
SYLLABUS SPLIT [2023 - 24]

			MATHEMATICS		
SR. NO	**MONTH**	**UNIT / SUBUNIT**	**VALUES**	**ACTIVITY/PROJECT**	**EXAM**
1	October	**Introduction to Rational Numbers:** Need for a New Number System, The Rational Number System, Equivalent Rational Numbers, Negative and Positive Rational Numbers, Standard Form of a Rational Number, Equality of Rational Numbers, Representation of Rational Numbers on Number Line	To develop numerical and logical thinking	Identify the rational number and irrational number from given set of numbers.	**PERIODIC TEST-II**
2	November	**Operations on Rational Numbers:** Addition / Subtraction / Multiplication / Division of Rational Numbers, Reciprocal of a Rational Number	To develop numerical and logical thinking	Verify the properties of rational number	**PERIODIC TEST-II**
3	November	**Conversion on Rational Numbers to Decimals:** Decimal Representation, Converting Rational Numbers to Decimal Numbers, Terminating and Non-terminating Decimals, Conversion of Decimals into Rational Numbers	To develop numerical and logical thinking	Conversion of rational numbers to decimal numbers by muliplication activity	**PERIODIC TEST-II**
4	December	**Decimal : Multiplication and division:** Multiplication & Division of Decimals	To develop numerical and logical thinking	Quiz	**TERM-II Examination**
5	December	**Conversion of Metric measures:** Conversion of Units - From larger to smaller unit and smaller to larger unit, Application of Metric Measures	To make connections in beween mathematics and everyday thinking	To apply convertion of meric measure for given examples.	**TERM-II Examination**
6	January	**Perimeter and area:** Areas of Regular and Irregular Figures, Area of Paths, Area of a Parallelogram / Triangle / Circle. Length of an Arc of a Circle, Area of a Sector of a Circle, Area of a Segment of a Circle	To develop the skill of problem solving	Activity for finding the formula for area of a circle by using chart paper	**TERM-II Examination**
7	January	**Powers:** Powers of Integers, Laws of Exponents, Scientific Notation	To develop numerical and logical thinking	Powers and Pascals Triangle activity	**TERM-II Examination**

8	February	**Algebraic Expressions and Identities:** Addition / Subraction / Multiplication of Algebraic Expressions, Multiplications of Monomials, Multiplication of a Binomial by a Monomial, Multiplication of a Binomial by a Binomial, Special Products (Identities)	To develop thinking and Arithmetic skills	Enrichment activity for the addition and subtraction of algebraic expressions by using chart paper	**TERM-II Examination**
9	February	**Construction with ruler and Compass:** Lines and Angles, Triangles	Skills of handling instruments & Accuracy	Using ruler and a pair of compass constuct a parallel line to a given line from a point outside it.	**TERM-II Examination**
10	March	**Symmetry:** Reflection Symmetry, Rotational Symmetry, Reflection and Rotational Symmetry, Flips, Slides, Turns	To develop skill of obsevation	To paste some symmetrical objects	**Activity**
11	March	**Visualising Solid Shapes:** Nets, Drawing Three-dimensional Solids, Viewing and Building Solids	Accuracy and pricision	Prepare net for different 3-D shapes	**Activity**
	March	**Revision**			**Annual Examination**