

MATHEMATICS

| MONTH | UNIT | TOPIC | SUB - TOPIC | ACTIVITY | |
|----------------|--------------|-----------------------|---|---|--|
| April | 1 | Integers | Properties of Integers | | |
| | 2 | Fractions | Types of fractions | | |
| | | | Comparing fractions | | |
| | | | Addition, Subtraction, Multiplication and Division of fractions | | |
| May | 3 | Decimals | Comparing decimals | Multiplication of Decimals | |
| | | | Conversion of decimal into fraction and vice-versa | | |
| | | | Addition, Subtraction, Multiplication and Division of decimals | | |
| | 4 | Symmetry | Line symmetry, Reflection and Rotational symmetry | | |
| | 5 | 3D Shapes | Faces, Edges and Vertices of solid figures | Isometric and oblique sketch | |
| | | | Net diagram | | |
| June | 6 | Lines and Angles | Supplementary and Complementary angles, Adjacent angles, Linear pair of angles, and Vertically Opposite angles. | Verification of properties of parallel lines with the help of tracing paper | |
| | | | Concept of Transversal and related angles | | |
| July | Pre Mid Term | | | | |
| July | 7 | Rational Number | Standard form | | |
| | | | Four operations | | |
| | 8 | Percentage | Conversions | | |
| | | | Word problems | | |
| | 9 | Ratio and Proportion | Concept | Ratio of Circumference to the Diameter of a circle | |
| | | | Practical Applications | | |
| Unitary Method | | | | | |
| August | 10 | Algebraic Expressions | Concept | | |
| | | | Addition | | |
| | | | Subtraction | | |
| | | | Multiplication (monomials by monomials, monomials by binomials) | | |
| | | | Division (by monomials) | | |
| | | | Simplification | | |
| | 11 | Linear Equation | Solving equation by different methods | | |
| | | | Word Problems | | |

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|-----------|------------------------------------|----------------------------|--|--|
| September | Revision & Half Yearly Examination | | | |
| September | 12 | Square root | Square root by Prime- factorisation and Division method of whole numbers and decimals | |
| October | 13 | Triangles & its Properties | Angle sum property , Exterior angle Property, Triangle inequality property, Pythagoras Theorem | Exterior angle property, Angle sum property and Pythagoras Theorem |
| | 14 | Congruence | Criteria of congruence of triangles and its applications | |
| Novemeber | 15 | Mensuration | Perimeter and area of square, rectangle and four walls of a room | |
| Novemeber | | Mensuration (Continued) | Perimeter and area of triangle (only half \times base \times height) and parallelogram. | |
| | | | Circle | |
| December | Post Mid- term | | | |
| December | 16 | Comparing Quantities | Profit and Loss | |
| | | | Simple Interest | |
| | | | Speed, Time and Distance | |
| January | 17 | Practical Geometry | Construction of | |
| | | | Parallel Lines | |
| | | | Different types of triangles | |
| | 18 | Exponents | Concepts | |
| | | | Laws of exponents | |
| | | | Simplification | |
| | | | Standard form | |
| | 19 | Data Handling | Concept | Double bar graph |
| | | | Mean, Mode and Median | |
| | | | Double bar graph | |
| | | | Chance and Probability | |
| February | Revision & Annual Examination | | | |

Syllabus For Annual Examination

Ratio and Proportion
 Algebraic Expressions
 Linear Equations
 Square root
 Triangles & its Properties
 Congruence

Mensuration
 Comparing Quantities
 Practical Geometry
 Exponents
 Data Handling