

## Class and Topic Schedule for 9<sup>th</sup> Class Mathematics

| <b>Topic</b>               | <b>Content</b>                            | <b>Date</b> |
|----------------------------|-------------------------------------------|-------------|
| <b>Number Systems</b>      | Introduction                              | 11-Jun-25   |
| <b>Number Systems</b>      | Irrational Numbers                        | 11-Jun-25   |
| <b>Number Systems</b>      | Real Numbers and their Decimal Expansions | 11-Jun-25   |
| <b>Number Systems</b>      | Operations on Real Numbers                | 11-Jun-25   |
| <b>Number Systems</b>      | Laws of Exponents for Real Numbers        | 11-Jun-25   |
| <b>Polynomials</b>         | Introduction                              | 13-Jun-25   |
| <b>Polynomials</b>         | Polynomials in One Variable               | 13-Jun-25   |
| <b>Polynomials</b>         | Zeroes of a Polynomial                    | 13-Jun-25   |
| <b>Polynomials</b>         | Factorisation of Polynomials              | 13-Jun-25   |
| <b>Polynomials</b>         | Algebraic Identities                      | 13-Jun-25   |
| <b>Polynomials</b>         | Summary                                   | 13-Jun-25   |
| <b>Coordinate Geometry</b> | Introduction                              | 15-Jun-25   |
| <b>Coordinate Geometry</b> | Cartesian System                          | 15-Jun-25   |

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| <b>Coordinate Geometry</b>               | Summary                                       | 17-Jun-25 |
| <b>Linear Equations In Two Variables</b> | Introduction                                  | 17-Jun-25 |
| <b>Linear Equations In Two Variables</b> | Linear Equations                              | 17-Jun-25 |
| <b>Linear Equations In Two Variables</b> | Solution of a Linear Equation                 | 17-Jun-25 |
| <b>Linear Equations In Two Variables</b> | Summary                                       | 17-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Introduction                                  | 17-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Euclid's Definitions, Axioms and Postulates   | 17-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Summary                                       | 19-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | LINES AND ANGLES                              | 19-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Introduction                                  | 19-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Basic Terms and Definitions                   | 19-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Intersecting Lines and Non-intersecting Lines | 19-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Pairs of Angles                               | 19-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Lines Parallel to the Same Line               | 19-Jun-25 |
| <b>Introduction To Euclid's Geometry</b> | Summary                                       | 19-Jun-25 |
| <b>Triangles</b>                         | Introduction                                  | 21-Jun-25 |
| <b>Triangles</b>                         | Congruence of Triangles                       | 21-Jun-25 |

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| <b>Triangles</b>                 | Criteria for Congruence of Triangles             | 21-Jun-25 |
| <b>Triangles</b>                 | Some Properties of a Triangle                    | 21-Jun-25 |
| <b>Triangles</b>                 | Some More Criteria for Congruence of Triangles   | 21-Jun-25 |
| <b>Triangles</b>                 | Summary                                          | 21-Jun-25 |
| <b>Quadrilaterals</b>            | Properties of a Parallelogram                    | 23-Jun-25 |
| <b>Quadrilaterals</b>            | The Mid-point Theorem                            | 23-Jun-25 |
| <b>Quadrilaterals</b>            | Summary                                          | 23-Jun-25 |
| <b>Quadrilaterals</b>            | CIRCLES                                          | 23-Jun-25 |
| <b>Quadrilaterals</b>            | Angle Subtended by a Chord at a Point            | 23-Jun-25 |
| <b>Quadrilaterals</b>            | Perpendicular from the Centre to a Chord         | 23-Jun-25 |
| <b>Quadrilaterals</b>            | Equal Chords and their Distances from the Centre | 25-Jun-25 |
| <b>Quadrilaterals</b>            | Angle Subtended by an Arc of a Circle            | 25-Jun-25 |
| <b>Quadrilaterals</b>            | Cyclic Quadrilaterals                            | 25-Jun-25 |
| <b>Quadrilaterals</b>            | Summary                                          | 25-Jun-25 |
| <b>Heron's Formula</b>           | Area of a Triangle – by Heron's Formula          | 25-Jun-25 |
| <b>Heron's Formula</b>           | Summary                                          | 25-Jun-25 |
| <b>Surface Areas And Volumes</b> | Surface Area of a Right Circular Cone            | 27-Jun-25 |

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| <b>Surface Areas And Volumes</b>              | Surface Area of a Sphere                                 | 27-Jun-25 |
| <b>Surface Areas And Volumes</b>              | Volume of a Right Circular Cone                          | 27-Jun-25 |
| <b>Surface Areas And Volumes</b>              | Volume of a Sphere                                       | 27-Jun-25 |
| <b>Surface Areas And Volumes</b>              | Summary                                                  | 27-Jun-25 |
| <b>Statistics</b>                             | Ggraphical Representation of Data                        | 29-Jun-25 |
| <b>Statistics</b>                             | Summary                                                  | 29-Jun-25 |
| <b>Proofs In Mathematics</b>                  | Introduction                                             | 1-Jul-25  |
| <b>Proofs In Mathematics</b>                  | Mathematically Acceptable Statements                     | 1-Jul-25  |
| <b>Proofs In Mathematics</b>                  | Deductive Reasoning                                      | 1-Jul-25  |
| <b>Proofs In Mathematics</b>                  | Theorems, Conjectures and Axioms                         | 1-Jul-25  |
| <b>Proofs In Mathematics</b>                  | What is a Mathematical Proof?                            | 1-Jul-25  |
| <b>Proofs In Mathematics</b>                  | Summary                                                  | 1-Jul-25  |
| <b>Introduction To Mathematical Modelling</b> | Introduction                                             | 2-Jul-25  |
| <b>Introduction To Mathematical Modelling</b> | Review of Word Problems                                  | 2-Jul-25  |
| <b>Introduction To Mathematical Modelling</b> | Some Mathematical Models                                 | 2-Jul-25  |
| <b>Introduction To Mathematical Modelling</b> | The Process of Modelling, its Advantages and Limitations | 2-Jul-25  |
| <b>Introduction To Mathematical Modelling</b> | Summary                                                  |           |

