**Gujarat Board Syllabus for Class 9**

**Mathematics Semester 1**

| **Units** | **Chapters** |
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| UNIT I: NUMBER SYSTEMS | REAL NUMBERS |
| UNIT II: ALGEBRA | POLYNOMIALS |
| LINEAR EQUATIONS IN TWO VARIABLES |
| UNIT III: COORDINATE GEOMETRY | COORDINATE GEOMETRY |
| UNIT IV: GEOMETRY | INTRODUCTION TO EUCLID'S GEOMETRY |
| LINES AND ANGLES |
| TRIANGLES |
| **Mathematics Semester 2** |
| UNIT IV: GEOMETRY | QUADRILATERALS |
| AREA |
| CIRCLES |
|   | CONSTRUCTIONS |
| UNIT V: MENSURATION | AREAS |
| SURFACE AREAS AND VOLUMES |
| UNIT VI: STATISTICS & PROBABILITY | STATISTICS |
| PROBABILITY |
| UNIT VII: ARITHMETIC | LOGARITHM |

**Science**

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| **Science Semester 1** |
| 1 | Motion |
| 2 | Force and Laws of Motion |
| 3 | Gravitation |
| 4 | Properties of Matter |
| 5 | Structure of Atom |
| 6 | The Fundamental Unit of Life: The Cell |
| 7 | Plant Tissues |
| 8 | Animal Tissues |
| 9 | Why do we fall ill? |
| **Science Semester 2** |
| 10 | Work, Energy and Power |
| 11 | Wave Motion and Sound |
| 12 | Periodic Classification of Elements |
| 13 | Chemical Bonding |
| 14 | Chemical Reactions |
| 15 | Diversity in Living Organisms |
| 16 | Our Natural Resources |
| 17 | Food Resources |

**Social Science**

| **Units** | **Chapters** |
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| Unit I: Twentieth Century: The World and India | Chapter 1: Rise of British Rule in India |
| Chapter 2: First World War and Russian Revolution |
| Chapter 3: Movement Towards a New World |
| Chapter 4: National Movements in India |
| Chapter 5: Movement Towards Independence |
| Chapter 6: World After 1945 |
| Chapter 7: Post–Independence India |
| Unit 2: Making of Modern Nation | Chapter 8: Framing of Constitution and its Features |
| Chapter 9: Fundamental Rights, Fundamental Duties and Directive Principles of State Policy |
| Chapter 10: Organs of Government |
| Chapter 11: Indian Judiciary |
| Chapter 12: Indian Democracy |
| Unit 3: INDIA – Its Land and People | Chapter 13: India: Location, Geological Structure and Physiography-I |
| Chapter 14: India: Location, Geological Structure and Physiography-II |
| Chapter 15: Drainage System |
| Chapter 16: Climate |
| Chapter 17: Natural Vegetation |
| Chapter 18: Wildlife |
| Chapter 19: India: Human Lifestyle |
| Chapter 20: Disaster Management |

| **English Semester 1** |
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| READING:Questions based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation:1. Discursive passage (400-450 words)2. Case-based factual passage (with visual input/ statistical data/ chart etc. 300-350 words) |
| WRITING SKILLS:Formal letter based on a given situation.1. Letter to the Editor2. Letter of Complaint (Official)3. Letter of Complaint (Business) |
| GRAMMAR:1. Tenses2. Modals3. Subject-Verb Concord4. Determiner5. Reported Speech6. Commands and Requests7. Statements8. Questions |
| LITERATURE:Questions based on extracts/texts to assess interpretation, inference, extrapolation beyond the text and across the texts.FIRST FLIGHT1. A Letter to God2. Nelson Mandela3. Two Stories About Flying4. From the Diary of Anne Frank5. The Hundred Dresses 16. The Hundred Dresses 2 |
| POEMS:1. Dust of Snow2. Fire and Ice3. A Tiger in the Zoo4. The Ball Poem |
| FOOTPRINTS WITHOUT FEET1. A Triumph of Surgery2. The Thief’s Story3. Footprints Without Feet |

| **English Semester 2** |
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| READING:Questions based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation:1. Discursive passage (400-450 words)2. Case-based Factual passage (with visual input/ statistical data/ chart etc. 300-350words) |
| WRITING SKILLS:1. Formal letter based on a given situation#Letter of Order#Letter of Enquiry2. Analytical Paragraph (based on the outline/chart/cue/map/report, etc.) |
| GRAMMAR1. Tenses2. Modals3. Subject-Verb Concord4. Determiner5. Reported Speech6. Commands and Requests7. Statements8. Questions |
| LITERATURE:Questions based on extracts/texts to assess interpretation, inference, extrapolation beyond the text and across the texts.FIRST FLIGHT1. Glimpses of India2. Madam Rides the Bus3. The Sermon at Benares4. The Proposal (Play) |
| POEMS:1. Amanda2. Animals3. The Tale of Custard the Dragon |
| FOOTPRINTS WITHOUT FEET:1. The Making of a Scientist2. The Necklace3. The Hack Driver4. Bholi |