**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 Editor 2. Letter of Complaint (Official) 3. Letter of Complaint (Business) |
| GRAMMAR: 1. Tenses 2. Modals 3. Subject-Verb Concord 4. Determiner 5. Reported Speech 6. Commands and Requests 7. Statements 8. Questions |
| LITERATURE: Questions based on extracts/texts to assess interpretation, inference, extrapolation beyond the text and across the texts. FIRST FLIGHT 1. A Letter to God 2. Nelson Mandela 3. Two Stories About Flying 4. From the Diary of Anne Frank 5. The Hundred Dresses 1 6. The Hundred Dresses 2 |
| POEMS: 1. Dust of Snow 2. Fire and Ice 3. A Tiger in the Zoo 4. The Ball Poem |
| FOOTPRINTS WITHOUT FEET 1. A Triumph of Surgery 2. The Thief’s Story 3. 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. 300-350 words) |
| WRITING SKILLS: 1. Formal letter based on a given situation #Letter of Order #Letter of Enquiry 2. Analytical Paragraph (based on the outline/chart/cue/map/report, etc.) |
| GRAMMAR 1. Tenses 2. Modals 3. Subject-Verb Concord 4. Determiner 5. Reported Speech 6. Commands and Requests 7. Statements 8. Questions |
| LITERATURE: Questions based on extracts/texts to assess interpretation, inference, extrapolation beyond the text and across the texts. FIRST FLIGHT 1. Glimpses of India 2. Madam Rides the Bus 3. The Sermon at Benares 4. The Proposal (Play) |
| POEMS: 1. Amanda 2. Animals 3. The Tale of Custard the Dragon |
| FOOTPRINTS WITHOUT FEET: 1. The Making of a Scientist 2. The Necklace 3. The Hack Driver 4. Bholi |