



*St. Francis School,* Gomti Nagar, Lucknow

**HALF YEARLY SYLLABUS FOR CLASS-9**  
**(JULY, AUGUST, SEPTEMBER) 2021-2022**

**MATHEMATICS**

1. Chapter 1, RATIONAL AND IRRATIONAL NUMBERS.
2. Chapter 2, COMPOUND INTEREST.
3. Chapter 3, EXPANSIONS.
4. Chapter 4, FACTORISATION.
5. Chapter 5, SIMULTANEOUS LINEAR EQUATIONS.
6. Chapter 6, PROBLEMS ON SIMULTANEOUS LINEAR EQUATIONS.
7. Chapter 7, QUADRATIC EQUATIONS.
8. Chapter 8, INDICES.
9. Chapter 10, TRIANGLES.

**GEOGRAPHY**

1. Earth as a planet
  2. Geographic grid
  3. Rotation and Revolution
  4. Earth's structure
  5. Landforms of the earth
  6. Rocks
  7. Volcanoes
  8. Earthquakes
  9. Weathering
  10. Hydrosphere
  11. Composition and structure of atmosphere
- Map work- World Map

**HISTORY**

- Chapter 1: The Harappan Civilization  
Chapter 2: The Vedic Period  
Chapter 3: Jainism and Buddhism  
Chapter 4: The Mauryan Empire  
Chapter 5: The Sangam Age  
Chapter 6: The Age of the Gupta's  
Chapter 7: Medieval India - The Cholas

**CIVICS**

- Chapter 1: Our Constitution  
Chapter 2: Salient Features of the Constitution - I  
Chapter 3: Salient Features of the Constitution - II



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## **BIOLOGY**

- Chapter -2. Cell : The Unit of Life
- Chapter -3. Tissues- Animal and Plant Tissues
- Chapter -4. The Flower.
- Chapter -5. Pollination and Fertilization.
- Chapter -6. Seeds- Structure and Germination.
- Chapter -7. Respiration in Plants
- Chapter - 8: Five kingdom classification
- Chapter -9- Economic Importance of Bacteria and Fungi
- Chapter -10. Nutrition

## **ENGLISH LITERATURE**

### **Poetry**

- 1. Chapter 2- The Cold Within
- 2. Chapter 3- The Bangle Sellers

### **PROSE**

- 1. Chapter 2- Old man at the Bridge
- 2. Chapter 4- Hearts and hands
- 3. Chapter 5- A face in the Dark

### **DRAMA**

- 1. Act I- Scenes I, II and III
- 2. Act II- Scene I

### **ENGLISH LANGUAGE 1. Chapter I**

- 2. Chapter II
- 3. Chapter III
- 4. Functional Grammar
- 5. E-Mail
- 6. Notice

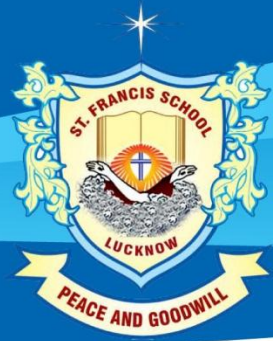
### **HINDI LITERATURE**

#### **गद्य**

- 1. पाठ 1— बात अठन्नी की
- 2. पाठ 2— काकी
- 3. पाठ 3— महायज्ञ का पुरस्कार

#### **पद्य**

- 1. पाठ 1— साखी
  - 2. पाठ 2— गिरिधर की कुंडलियाँ
  - 3. पाठ 3— स्वर्ग बना सकते हैं
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## **HINDI LANGUAGE**

### **Composition**

प्रस्ताव लेखन

Letter

पत्र लेखन

Comprehension

अपठित गद्यांश

### **Grammar**

वाक्यगत अशुद्धियों का शोधन

वर्तनी की अशुद्धियों का शोधन

वाक्य रूपारण (परिवर्तन)

लिंग एवं वचन परिवर्तन

भाववाचक संज्ञाएँ बनाना

विशेषण बनाना

विलोम शब्द— आरंभ से कृष्ण (पृष्ठ सं.197)

पर्यायवाची शब्द— ऊधम से गृह (पृष्ठ सं. 190–191)

मुहावरे 31–60 एवं लोकोक्तियाँ 19–31

## **PHYSICS**

- 1.Motion in one dimension
- 2.Laws of Motion and gravitation
- 3.Pressure in fluids and atmospheric pressure
- 4.Upthrust in fluids, Archimedes principle and floatation
- 5.Heat and energy

## **COMPUTER**

1. Chapter 4- VALUES AND DATA TYPES
2. Chapter 5- OPERATORS IN JAVA
3. Chapter 7- INPUT IN JAVA
- 4 Chapter 8- MATHEMATICAL LIBRARY METHODS
5. BASIC PROGRAMS

## **CHEMISTRY**

1. Chapter 1- The language of Chemistry
2. Chapter 4- Atomic Structure and Chemical bonding
3. Chapter 5- The Periodic table
4. Chapter 6- Study of the First Element-Hydrogen



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**MORAL SCIENCE**

1. Chapter 1- The Blessed One
2. Chapter 2- Open Ears