

*St. John's School, Fatehpur*  
*Full Syllabus – 2023-24*  
*Class - IX*

*Mathematics*

*Unit-I*

- Chapter- 1. Rational and Irrational Numbers
2. Compound Interest
3. Expansions
4. Factorization

*Half-Yearly*

- Chapter- 5. Simultaneous Linear Equation
6. Problems on SLE
7. Quadratic Equations
8. Indices
9. Logarithms
10. Triangles

*Unit-II*

- Chapter- 11. Mid Point Theorem
12. Pythagoras Theorem
13. Rectilinear Figures
14. Theorems on Area

*Annual*  
*Full Syllabus*

*Computer*

*Unit-I*

- Chapter 1 Introduction to object-oriented programming Concepts
- Chapter 2 Elementary concept of Object and Classes
- Chapter 3 Values and Data Types
- Chapter 4 Operators and Expressions in Java

*Half-Yearly*

- Chapter 1 Introduction to object-oriented programming Concepts
- Chapter 2 Elementary concept of Object and Classes
- Chapter 3 Values and Data Types
- Chapter 4 Operators and Expressions in Java
- Chapter 5 Classes and Methods (or Function)
- Chapter 6 Input in Java (Scanner Class)
- Chapter 7 Mathematical Library Methods

*Unit-II*

- Chapter 7 Mathematical Library Methods
- Chapter 8 Conditional Constructs in Java

- Chapter 9- Iterative Constructs in Java (The Non-Nested Loops or Iteration)
- Chapter 10- Nested Iteration in Java (The Nested For loop)
- Chapter 11 Computing and Ethics.

*Annual*  
*Full Syllabus*

*Physics*

*Unit-I*

- Chapter-1- Measurement and Experimentation
- Chapter-2- Motion in one dimension
- Chapter-3- Laws of Motion

*Half-Yearly*

- Chapter-1- Measurement and Experimentation
- Chapter-2- Motion in one dimension
- Chapter-3- Laws of Motion
- Chapter-4- Pressure in Fluid and Atmospheric Pressure
- Chapter-5- Upthrust in Fluids, Archimedes Principal and Floatation

*Unit-II*

- Chapter-6- Heat and Energy
- Chapter-7- Reflection of Light
- Chapter- 8- Propagation of Sound Wave

*Annual*

- Chapter-9- Current Electricity
- Chapter-10- Magnetism

*Full Syllabus*

*History*

*Unit-I*

- Chapter-1-The Harappan Civilisation
- 2-The Vedic Period
- 3-Jainism and Buddhism
- 4-The Mauryan Empire

*Half-Yearly*

- 3-Jainism and Buddhism
- 4-The Mauryan Empire
- 5-The Sangam Age

6-The Age of Guptas  
7-Medieval India- The Cholas

### *Unit-II*

6-The Age of Guptas  
7-Medieval India- The Cholas  
8-Medieval India- The Delhi Sultanate  
9-Medieval India- The Mughal Empire  
10-Medieval India- Composite Culture

### *Annual*

9-Medieval India- The Mughal Empire  
10-Medieval India- Composite Culture  
11-The Modern Age in Europe- Renaissance  
12-The Modern Age in Europe- Reformation  
13-The Modern Age in Europe- Industrial Revolution

### *Civics*

#### *Unit-I*

Chapter-1-Our Constitution

#### *Half-Yearly*

Chapter-2- Salient Features of the Constitution-1  
3. Salient Features of the Constitution-2

#### *Unit-II*

Chapter-4- Elections

### *Annual*

5- Local Self Government-Rural  
6- Local Self Government-Urban

### *Biology*

#### *Unit-I*

Lesson-1. The Cell  
Lesson-2. Tissues  
Lesson-3. The Flower

#### *Half-Yearly*

Lesson 4. Pollination and Fertilisation  
Lesson 5. Structure and Germination of Seed  
Lesson 6. Respiration in Plants  
Lesson 7. Diversity in Living Beings  
Lesson. 8. Economic importance of Bacteria and Fungi  
Lesson 9. Nutrition  
Lesson-10. Nutrition in Animals

### *Unit-II*

Lesson-11. Digestive system  
Lesson-12. Movement and Locomotion  
Lesson- 13. Skin

### *Annual*

Lesson-1. The Cell  
Lesson-2. Tissues  
Lesson 6. Respiration in Plants  
Lesson 9. Nutrition  
Lesson-10. Nutrition in Animals  
Lesson-11. Digestive system  
Lesson -14. The Respiratory System  
Lesson-15. Health and Hygiene  
Lesson-16. Aids to Health  
Lesson-17. Health Organisation  
Lesson-18. Sources of Waste  
Lesson-19. Waste Management

### *English Literature*

First Unit Test

DRAMA: Julius Caesar - Act 1 Scene 1

PROSE (Short Stories):

1. Bonku Babu's Friend – Satyajit Ray

POETRY:

1. The Night Mail – W.H. Auden

First Term

DRAMA: Julius Caesar - Act 1

PROSE (Short Stories):

1. Bonku Babu's Friend – Satyajit Ray

2. Oliver Asks for More – Charles Dickens

3. The Model Millionaire – Oscar Wilde

POETRY:

1. The Night Mail – W.H. Auden

2. Skimbleshanks: The Railway Cat – T.S. Eliot

3. I Remember, I Remember – Thomas Hood

Second Unit Test

DRAMA: Julius Caesar - Act 2 Scene 1

PROSE (Short Stories):

4. Home-coming – Rabindranath Tagore

POETRY: 4. A Doctor's Journal Entry for August 6, 1945 – Vikram Seth

Second Term

DRAMA: Julius Caesar - Acts 1 & 2

PROSE (Short Stories):

1. Bonku Babu's Friend – Satyajit Ray

2. Oliver Asks for More – Charles Dickens
3. The Model Millionaire – Oscar Wilde
4. Home-coming – Rabindranath Tagore
5. The Boy who Broke the Bank – Ruskin Bond

POETRY:

1. A Work of Artifice – Marge Piercy
2. Skimbleshanks: The Railway Cat – T.S. Eliot
3. I Remember, I Remember – Thomas Hood
4. A Doctor's Journal Entry for August 6, 1945 – Vikram Seth
5. The Night Mail – W.H. Auden

## Computer

### *Unit-I*

- Chapter 1 Introduction to object-oriented programming Concepts  
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### *Half-Yearly*

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### *Unit-II*

- Chapter 7 Mathematical Library Methods  
 Chapter 8 Conditional Constructs in Java  
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 Chapter 10- Nested Iteration in Java (The Nested For loop)  
 Chapter 11 Computing and Ethics.

### *Annual*

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## Geography

### *Unit-I*

- CHAPTER -1 Earth as a Planet  
 CHAPTER-2 Geographical Grid  
 CHAPTER-3 Rotation and Revolution  
 CHAPTER-4 Earth's structure

CHAPTER-5 Landforms of the Earth

### *Half-Yearly*

- CHAPTER -1 Earth as a Planet  
 CHAPTER-2 Geographical Grid  
 CHAPTER-6 Rocks  
 CHAPTER-7 Volcanoes  
 CHAPTER-8 Earthquakes  
 CHAPTER-9 Weathering  
 CHAPTER-10 Denudation

### *Unit-II*

- CHAPTER-11 Hydrosphere  
 CHAPTER-12 Composition and Structure of the Atmosphere  
 CHAPTER-13 Insolation  
 CHAPTER-14 Atmospheric Pressure and Winds  
 CHAPTER-15 Humidity

### *Annual*

- CHAPTER-12 Composition and Structure of the Atmosphere  
 CHAPTER-14 Atmospheric Pressure and Winds  
 CHAPTER-16 Pollution  
 CHAPTER-17 Sources of Pollution  
 CHAPTER-18 Effects of Pollutions  
 CHAPTER-19 Preventive Measures  
 CHAPTER-20 Natural regions of the World

## Chemistry

### *Unit-I*

- Chapter 1- The language of chemistry  
 Chapter 2- Chemical changes and reactions

### *Half-Yearly*

- Chapter 2- Chemical changes and reactions  
 Chapter 3- Water  
 Chapter 4- Atomic structure and chemical bonding

### *Unit-II*

- Chapter 4- Atomic structure and chemical bonding  
 Chapter 5- The Periodic table

### *Annual*

- Chapter 5- The Periodic table  
 Chapter 6- Study of the first element hydrogen  
 Chapter 7- Study of the gas law  
 Chapter 8- Atmospheric Pollution

# Hindi

## Unit-I

साहित्य सागर

पाठ -1 बात अठन्नी

पाठ -2 काकी

एंकाकी संचय

पाठ -1 संस्कार और भावना

व्याकरण

संज्ञा, लिंग, भाववाचक संज्ञा, वचन, कारक।

## Half-Yearly

पाठ -1 बात अठन्नी

पाठ -2 काकी

पाठ -3 महायज्ञ का पुरस्कार

एंकाकी संचय

पाठ -1 संस्कार और भावना

पाठ -2 बहु की विदा

व्याकरण

सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण, पर्यायवाची शब्द

तत्सम और तद्भव शब्द विपरीतार्थक शब्द।

## Unit-II

पाठ -4 नेता जी का चश्मा

पाठ -5 अपना-अपना भाग्या

एंकाकी संचय

पाठ -3 मातृभूमि का मान

व्याकरण

अनेकार्थी उपसर्ग, प्रत्यय, पर्यायवाची लिंग, कारक,

तत्सम-तद्भव

## Annual

पाठ -4 नेता जी का चश्मा

पाठ -5 अपना-अपना भाग्या

पाठ -6 बड़े घर की बेटी

पाठ -7 संदेह

एंकाकी संचय

पाठ -3 मातृभूमि का मान

पाठ -4 सूखी डाली

व्याकरण

अनेकार्थी शब्द, एकार्थक शब्द, अनेक

शब्दों के लिए एक शब्द उपसर्ग, प्रत्यय।

# Value Education

## Half-Yearly

CHAPTER-1 Influence of friends

CHAPTER-2 Study Effectively

CHAPTER-3 Living Intelligently

CHAPTER-4 Everyone is Unique

CHAPTER-5 Equal Status to women

CHAPTER-6 Silent Messages

## Annual

CHAPTER-7 See the Brighter Side

CHAPTER-8 Self Protection

CHAPTER-9 Accepting the failure

CHAPTER-10 A Mistaken belief

CHAPTER-11 Keep your Words

CHAPTER-12 Gems of India

CHAPTER-13 Global Icons

# English Language

## Unit-I

Transformation of sentence, Letters, E-mail, Notice, Preposition and Subject- Verb Agreement

## Half-Yearly

Transformation of sentence, Letters, E-mail, Notice, Preposition, Composition, Comprehension

## Unit-II

Transformation of sentence, Letters, E-mail, Notice, Preposition, Verb Filling, Joining of Sentences

## Annual

Full Syllabus





