



**DELHI PUBLIC SCHOOL  
FARIDABAD**

**SYLLABUS 2022–23  
UNIT - I**

**CLASS - IX**

## ENGLISH

### Prescribed Text Book —

Interact in English: Literature Reader  
A Textbook for English Course (Communicative)  
Interact in English: Main Course Book  
A Textbook for English Course (Communicative)  
Interact in English: Workbook  
For English Communicative

<b>Literature</b>	-	How I taught My grandmother to read, The Brook, The Road not Taken, The Villa for Sale
<b>MCB</b>	-	Unit 1 - People
<b>Writing Skills</b>	-	Story Writing, Descriptive Paragraph (Person/Place), Formal Letter
<b>Grammar</b>	-	Integrated Grammar
<b>WORKBOOK</b>	-	Unit 1 & 2 - Verb forms, Determiners
<b>W.T. Date</b>	-	<b>09.05.2022</b>
<b>W.T. Syllabus</b>	-	Sec A - Comprehension
	-	Sec B - Story Writing, Descriptive Paragraph (Person), Integrated Grammar
	-	Sec C - How I taught My grandmother to read, The Brook, The Road not Taken.

## MATHS

### Prescribed Text Book —

A Text book of Mathematics : N.C.E.R.T.

- Chp.**
- 1. Number system**
  - 2. Polynomials**
  - 3. Lines and Angles**

#### Number System

- Review of representation of natural numbers, integers, rational numbers on the number line. Representation of terminating / non-terminating recurring decimals on the number line through successive magnification. Rational numbers as recurring/ terminating decimals. Operations on real numbers.
- Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as  $\sqrt{2}$ ,  $\sqrt{3}$  and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number.
- Definition of nth root of a real number.
- Rationalization (with precise meaning) of real numbers of the type  $\frac{1}{a+b\sqrt{x}}$  and  $\frac{1}{\sqrt{x}+\sqrt{y}}$  (and their combinations) where x and y are natural number and a and b are integers.
- Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)

#### Polynomial

Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. Factors and multiples. Zeros of a polynomial. Motivate and State the Remainder Theorem with examples. Statement and proof of the Factor Theorem. Factorization of  $ax^2 + bx + c$ ,  $a \neq 0$  where a, b and c are real numbers, and of cubic polynomials using the Factor Theorem.

Recall of algebraic expressions and identities. Verification of identities:  $(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$

$$(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$$

$$x^3 \pm y^3 = (x \pm y)(x^2 \mp xy + y^2)$$

$$x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$$

and their use in factorization of polynomials.

## Lines and Angles

1. (Motivate) if a ray stands on a line, then the sum of the two adjacent angles so formed is  $180^\circ$  and the converse.
2. (Prove) If two lines intersect, vertically opposite angles are equal.
3. (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersects two parallel lines.
4. (Motivate) Lines which are parallel to a given line are parallel.
5. (Prove) The sum of the angles of a triangle is  $180^\circ$ .
6. (Motivate) If a side of a triangle is produced, the exterior angle so formed is equal to the sum of the two interior opposite angles.

**W.T. Date** : 02-05-2022

**W.T. Syllabus** : Number System

## PHYSICS

### Prescribed Text Books—

Science — A Text book for class IX : N.C.E.R.T.

**Chapter** : Motion

**W.T: Date** : 04.07.2022

**W.T Syllabus** : Motion

## CHEMISTRY

### Prescribed Text Books—

Science — A text book - IX — N.C.E.R.T.

L -1 Matter in our surrounding (NCERT)

**Practical 1:** To determine the melting point of ice and boiling point of water.

**W.T. Date** : 04-07-2022

**W.T. Syllabus** : Matter in our surrounding

## BIOLOGY

**Prescribed Text Books—** Science NCERT for Class IX.

**The fundamental unit of life** — Introduction to cell, unicellular and multicellular organisms, division of labour, structural organisation of a cell – plasma membrane, cell wall, nucleus, cytoplasm and various cell organelles.

**Tissues : Plant tissues** - (Meristematic tissue and Permanent tissues in plants, Simple Permanent tissue - Parenchyma, Collenchyma and Sclerenchyma), Complex permanent tissues (Xylem and Phloem)

**Practical** – (a) To prepare stained temporary mount of onion peel, and to record observations and draw their labelled diagrams. (b) To prepare stained temporary mount of human cheek cells, and to record observations and draw their labelled diagrams.

**W.T. Date** : 04-07-2022

**W.T. Syllabus** : The fundamental unit of life

**Art Integrated Activity** :- Watch the video in the link below and make a comic strip based on this video.

<https://www.youtube.com/watch?v=4OpBylwH9DU>

## HISTORY

### Prescribed Text Books—

India and the Contemporary World- I

#### The French Revolution

French Society, Outbreak of the Revolution, French Abolishes Monarchy and becomes a republic, women in Revolution, Abolition of slavery, The Revolution and Everyday Life.

**W.T. Date** : 17-05-2022

**W.T.Syllabus** : The French Revolution (Partly)

## POLITICAL SCIENCE

### Prescribed Text Books—

Democratic Politics - Part-I, NCERT

Chapter 1	:	What is Democracy? Why Democracy?
<b>W.T. Date</b>	:	<b>17-05-2022</b>
<b>W.T. Syllabus</b>	:	<b>What is Democracy and Why Democracy?</b>

## GEOGRAPHY

### Prescribed Text Books—

Text Book : Contemporary India - Part I, NCERT

Chapter 1	:	India-Size and Location
Chapter 2	:	Physical features of India (Partly)
<b>W.T Date</b>	:	<b>17-05-2022</b>
<b>W.T Syllabus</b>	:	Chapter 1 :India-Size and Location Chapter 2 :Physical features of India (partly) and related map work

## ECONOMICS

### Prescribed Text Books—

Economics - NCERT

Chapter 1	:	The Story of Village Palampur
<b>W.T.Date</b>	:	<b>17-05-2022</b>
<b>W.T. Syllabus</b>	:	Chapter 1 : The Story of Village Palampur

## हिन्दी

निर्धारित पुस्तकें:

स्पर्श—	पाठ्य पुस्तिका
संचयन	— पूरक—पुस्तिका
व्याकरण	— व्याकरण अयन

स्पर्श	रहीम के दोहे, दुख का अधिकार, आदमी नामा
संचयन	गिल्लू
व्याकरण	शब्द और पद, अनुस्वार, अनुनासिक, उपसर्ग, प्रत्यय, पत्र, अनुच्छेद, अपठित गद्यांश

साप्ताहिक परीक्षा तिथि — **25.04.2022**

साप्ताहिक परीक्षा पाठ्यक्रम

स्पर्श	रहीम के दोहे, दुख का अधिकार,
व्याकरण	शब्द और पद, अनुस्वार, अनुनासिक, पत्र, अपठित गद्यांश

पाठ 1, 2, 3 : अविवेकः परमापदां पदम्, पाथेयम्, विजयतां स्वदेशः।

(पाठांश, प्रश्न निर्माण, अन्वयः/भावार्थः, घटनाक्रमानुसारं वाक्यलेखनम्, पर्यायमेलनम्/विशेष्य-विशेषणमेलनम्, प्रसंगानुसारम् अर्थचयनम्)

1. सन्धिकार्यम् – स्वरसन्धिः (दीर्घ, गुण वृद्धि, यण)
2. शब्दरूपाणि – पुल्लिङ्गशब्दाः; अकारान्तः – बालकवत्, स्त्रीलिङ्गशब्दाः आकारान्तः – लतावत्, ईकारान्तः – नदीवत्
3. धातुरूपाणि – परस्मैपदिनः पठ्, गम्, वद्, भू (लट्, लृट्, लङ्)
4. कारक
5. उपपद-विभक्तयः द्वितीया – परितः, समया, निकषा, प्रति, विना, उभयतः, धिक्
6. प्रत्ययाः – क्त्वा
7. अपठित गद्यांश
8. पत्रम्
9. चित्रम्/अनुच्छेदलेखनम्
10. संवादलेखनम्

साप्ताहिक परीक्षा : 25.04.2022

साप्ताहिक परीक्षा पाठ्यक्रम – पाठ 2, सन्धि – दीर्घ गुण, शब्दरूपाणि – बालक, लता, धातुरूपाणि – पठ्, वद्, कारक, उपपद विभक्ति, प्रत्ययः, अपठित गद्यांशः, पत्रम्, चित्रम्/अनुच्छेदलेखनम्, संवादलेखनम्

### FRENCH

#### Prescribed Text Books—

Entre Jeunes – I (N.C.E.R.T.), Set Rite

- Leçon** : 1, 2, 3
- Grammaire** : Les verbes réguliers et irréguliers, Les articles définis, indéfinis, contractés, partitifs, Les adjectifs possessifs, démonstratifs, Les prépositions
- W.T. Date** : 25.04.2022
- W.T. Syllabus** : 1, 2, 3

### GERMAN

- Allein zu Hause!
  - Genetiv
  - Trennbare Verben
  - zu+ inf
  - Präposition : während+ Genetiv
- W.T: Date** : 25.04.2022
- W.T Syllabus** :
- Allein zu Hause!
  - Genetiv
  - Trennbare Verben
  - zu+ inf
  - Präposition : während+ Genetiv
  - Email