

**CLASS VI**  
**ENGLISH**

**Text Books**

1. Reading Ventures-6 (RV)
2. New Sparkle Multiskill English Reader-6 (SMER)
3. Grammar Power-6 (GP)
4. The Swiss Family Robinson by J.R. Wyss

**Learning Objectives -**

**Reading**

To enable the students to -

1. read silently at varying speed depending on the purpose of reading.
2. recognise the organisation of a text.
3. identify the main points of a text.
4. read extensively on their own.

**Writing**

To enable the students to -

1. express ideas in clear and grammatically correct English, using appropriate punctuation and cohesion devices.
2. write a clear description.
3. expand notes into a piece of writing.
4. use an appropriate style and format to write letters (formal and informal), articles etc.; monitor, check and revise written work.

**Listening**

To enable the students to -

1. adopt different strategies according to the purpose of listening (e.g. for pleasure, for general interest, for specific information).
2. understand and respond appropriately to directive language (e.g. instruction, advice, request and warning).
3. understand and interpret messages conveyed in person or by telephone.

**Speaking**

To enable the students to -

1. operate intelligibly using appropriate word stress, sentence series and intonation pattern.
2. narrate incidents and events, real and imaginary, in a logical sequence.

**General Note:**

A thorough reading of the text on regular basis is a must as questions from within the lesson will be given in the exams/tests. Questions in the exams are likely to be different from those attempted in the note books.

**FIRST TERM**

**Reading Comprehensions**

**Class Comprehensions**

- RV -
1. The Adventures of Isabel
  2. The Lake Isle of Innisfree
  3. Close Encounter of the Jumbo Kind
- SMER -
4. Children Who Are Wanted Every Hour

**Comprehension (Holiday H.W.)**

- RV -
1. The Violet
  2. A Bird Came Down the Walk
- SMER -
3. Home
  4. Tolerance

**Writing Skills**

1. Notice Writing
2. Dialogue Writing
3. Informal Letter Writing

**Grammar**

1. Let us Revise
2. Sentences
3. Nouns

4. Articles
5. Pronouns
6. Verbs and Tenses (Pg. 58-80)
7. Revision Test-1

### Literature and Long Reading Text

- RV - 1. Abou Ben Adhem (Poem)  
SMER - 2. The School Boy (Poem)  
3. The Wasp and the Bee (Poem)  
RV - 4. A Secret for Two  
5. Doing What You Like is Freedom  
6. Quasimodo  
SMER - 7. The Case of Missing Laptop

**N.B. :** Diary Entry from the following chapter is to be done in class and assessed in literature section as long answer (80-100 words)

1. The Case of Missing Laptop

**The Swiss Family Robinson** - Chapter 1 to 13

**Project Activity :** Robots Never Lose Patience (SMER)

**Reading for Pleasure :** The Fieldmouse (SMER)

**Note :** There will be separate assessment of listening and speaking skills.

**Listening Activity to be taken up in the term -**

- SMER - 1. Tolerance - Oral Skills (2) (Pg. 18)  
2. My Childhood - Oral Skills (1) (Pg. 27)  
3. The Man Who Drew Faces - Oral Skills (2) (Pg. 38)  
4. Phaethon - Oral Skills (2) (Pg. 50)

**Creative Writing (Expressions)**

1. Imagine you have just returned from a visit to Darjeeling. Write a letter to your grandfather describing your visit. Include the details of what you saw and did there. Also illustrate with beautiful picture. (Refer to the chapter 'The Queen of Hills' in SMER)
2. Read the poem 'A Green Cornfield' in RV and write a diary entry describing a memorable scene of nature that you can recall. It

may be sunrise, sunset, sight of a river or mountains, waterfalls etc.

3. The plight of animals in captivity is miserable. In what kind of environment should animals be kept? (Refer to the chapter 'The Zoo Tiger' in RV)

### SECOND TERM

**Reading Comprehensions**

**Class Comprehensions**

- RV - 1. Papa and Mama  
SMER - 2. The Fog  
3. The Cookie Thief  
4. Phaeton

**Comprehension (Holiday H.W.)**

- RV - 1. Foreign Lands  
SMER - 2. My Childhood  
3. One, Two, Three  
4. The Brave Little Kite

**Writing Skills**

1. Message Writing
2. Formal Letter Writing
3. E-mail Writing

**Grammar**

1. Adjectives
2. Verbs and Tenses (Pg. 81-83)
3. Adverbs
4. Prepositions
5. Conjunctions and Interjections
6. Punctuation
7. Usage Notes
8. Revision Test-2
9. Model Test Paper

### Literature and Long Reading Text

- RV -
1. Cherry Tree (Poem)
  2. Bishop Hatto (Poem)
  3. The Spider and the Fly (Poem)
  4. The Case of Copied Question Papers
  5. The Face of the Wall
  6. The Night the Bed Fell
- SMER -
7. A Fishy Story
  8. Father's Help

**N.B. :** Diary Entry from the following chapter is to be done in class and assessed in literature section as long answer (80-100 words)

1. Father's Help

**Project Activity :** At Salem House (SMER)

**Reading for Pleasure :** The Man Who Drew Faces (RV)

**Note :** There will be separate assessment of listening and speaking skills.

### Listening Activity to be taken up in the term -

- SMER -
1. The Queen of the Hills - Oral Skills (2) (Pg. 60)
  2. Close Encounter of the Jumbo Kind - Oral Skills (2) (Pg. 77)
  3. The Case of the Missing Laptop - Oral Skills (2) (Pg. 91)
  4. At Salem House - Oral Skills (2) (Pg. 122)

### Creative Writing (Expressions)

1. We are living in the computer age and hence losing touch with nature. Discuss why it is happening and what should be done to avoid it. (Refer to the poem 'The Poetry of Earth is Never Dead' in RV)
2. Read the lesson 'No Pets Allowed' in RV. Imagine you are Henry. Write a letter to the Professor apologising for running away at night. Give reasons for your action also mention the kind of life you would now like to live.

3. The lesson 'How We Kept Mother's Day' in RV is a humorous account of the day when the family wanted to celebrate Mother's Day to give mother time to relax and enjoy herself. If you decide to celebrate Mother's Day, how would you do it? Describe your plan in 200 words.

### हिन्दी

#### पाठ्य पुस्तकें

1. वसंत भाग-1 (एन.सी.ई.आर.टी.)
2. रामायण (आर्य पब्लिशिंग कंपनी)
3. व्याकरण सुधा - भाग 6 (गोयल ब्रदर्स प्रकाशन)

#### हिन्दी शिक्षण का उद्देश्य :

1. भाषा की बारीकी को समझना और सौन्दर्यबोध की क्षमता का विकास करना।
2. दृश्य या श्रव्य माध्यमों की सामग्री को पढ़कर, देखकर और सुनकर समझने तथा उस पर स्वतन्त्र व स्वाभाविक, मौखिक एवं लिखित प्रतिक्रिया व्यक्त करने की क्षमता का विकास करना।
3. विभिन्न साहित्यिक विधाओं का आनन्द उठाने की क्षमता का विकास करना।
4. पठित, लिखित और सुने हुए भाषिक ज्ञान से सम्बन्धित सामग्री का तार्किक दृष्टि से अध्ययन करने की प्रवृत्ति का विकास करना।
5. अपने भावों व विचारों को सहज, स्वाभाविक और शब्द अभिव्यक्त करने की क्षमता का विकास करना।
6. शब्दों, मुहावरों, लोकोक्तियों का सचित प्रयोग करने की क्षमता का विकास करना।
7. भाषा की नियमबद्ध प्रकृति को पहचानना और उसका विश्लेषण करना।
8. मौखिक एवं लिखित अभिव्यक्ति के संदर्भ और आवश्यकता के अनुसार समुचित भाषा-शैली व प्रयोग को चुनने की समझ का विकास करना।

**नोट:** 1. प्रत्येक पाठ से शब्दार्थ, नए शब्द, वाक्य प्रयोग, प्रश्नोत्तर, अतिरिक्त प्रश्न और श्रुतलेख करवाया जाएगा।

2. परीक्षा में पाठ के मध्य से प्रश्न पढ़े जाएँगे: अतः पाठ को ध्यानपूर्वक पढ़ना आवश्यक है।

**प्रथम सत्र**

**वसंत भाग-1**

- गद्य पाठ -** 1. बचपन  
2. ऐसे-ऐसे
- पद्य पाठ -** 1. वह चिड़िया जो (कविता)  
2. चाँद से थोड़ी-सी गर्में (कविता)
- रामायण -** 1. बाल कांड  
2. अयोध्याकांड
- व्याकरण -** 1. भाषा, लिपि और व्याकरण  
2. वर्ण विचार  
3. संज्ञा  
4. लिंग, वचन और कारक  
5. सर्वनाम  
6. विशेषण  
7. पर्यायवाची शब्द (1 से 15 तक)  
8. विलोम शब्द (1 से 20 तक)  
9. वाक्यांशों के लिए एक शब्द (1 से 20 तक)  
10. अनेकार्थी शब्द (1 से 10 तक)  
11. महावरे (1 से 10 तक)

**रचना-कौशल -**

1. अपठित-गद्यांश :- 1. पार नज़र के  
2. अपठित-पद्यांश :- 1. मैं सबसे छोटी होऊँ  
3. चित्र-वर्णन - 2  
4. संवाद-लेखन - 2  
5. विज्ञापन-लेखन - 2  
6. पत्र-लेखन (अनौपचारिक पत्र) - 2  
7. निबंध-लेखन - 2

**ग्रीष्मावकाश (प्रयोज्य कार्य हेतु) -**

1. पेपर मेशी  
2. साँस-साँस में बाँस

**द्वितीय सत्र**

**वसंत भाग-1**

- गद्य पाठ -** 1. नादान दोस्त  
2. नौकर
- पद्य पाठ -** 1. साथी हाथ बढ़ाना (कविता)  
2. झाँसी की रानी (कविता)  
3. वन के मार्ग में (सवैए)
- रामायण -** 1. किष्किंधा कांड  
2. सुंदर कांड  
3. लंका कांड  
4. उत्तर कांड
- व्याकरण -** 1. क्रिया (कर्म के आधार पर)  
2. क्रिया-विशेषण  
3. विराम-चिह्न  
4. विलोम शब्द (21 से 40 तक)  
5. पर्यायवाची शब्द (16 से 30 तक)  
6. वाक्यांशों के लिए एक शब्द (21 से 40 तक)  
7. महावरे (11 से 20 तक)

**रचना-कौशल -**

1. अपठित-गद्यांश :- 1. अक्षरों का महत्त्व  
2. अपठित-पद्यांश :- 1. मत बाँटों इंसान को  
3. चित्र-वर्णन - 2  
4. संवाद-लेखन - 2  
5. विज्ञापन-लेखन - 2  
6. पत्र-लेखन (अनौपचारिक पत्र) - 2  
7. निबंध-लेखन - 2

**ग्रीष्मावकाश (प्रयोज्य कार्य हेतु) -**

1. जो देखकर भी नहीं देखते
2. लोक गीत

**संस्कृत**

**पाठ्य-पुस्तकें :**

1. रुचिरा (प्रथमो भागः)
2. संस्कृत व्याकरण मणिका (6)

**संस्कृत शिक्षण के उद्देश्य**

1. संस्कृतभाषा एवं साहित्य के प्रति जिज्ञासा उत्पन्न करना।
2. अर्थबोध के साथ संस्कृत गद्यांश को पढ़ने की क्षमता विकसित करना तथा संस्कृत श्लोकों को स्मरण कर सस्वर वाचन करने की योग्यता उत्पन्न करना।
3. संस्कृतभाषा का सामान्य ज्ञान कराना जिससे संस्कृत के सरलांशों को सुनकर या पढ़कर विद्यार्थी समझ सकें एवं मौखिक तथा लिखित अभिव्यक्ति कर सकें।
4. संस्कृत में श्रवण-भाषण-वाचन से लेखन-कौशल तथा भाषागत कौशल का विकास करना।
5. दृश्य-श्रव्य साधनों को ध्यानपूर्वक देखकर, पढ़कर तथा सुनकर उन पर अपेक्षित क्रियाएँ करने में समर्थ होना।
6. विद्यार्थियों में सौन्दर्यबोध, कल्पनाशीलता तथा चिन्तन की क्षमता का विकास करना।

**सामान्य निर्देश :**

1. रुचिरा में से परीक्षा हेतु पठित गद्यांशों, श्लोकों, संवादों पर आधारित प्रश्नोत्तर का अभ्यास करवाया जायेगा। भाषिक कार्य में जैसे - प्रश्न-निर्माण, पर्यायवाची, विलोम शब्द, कर्तृक्रिया-पदचयन, विशेषण-विशेष्य, संज्ञा, सर्वनाम प्रयोग आदि करवाये जायेंगे।
2. रुचिरा के पाठ्यक्रमानुसार पाठों का सम्पूर्ण अभ्यास तथा समस्त शब्दार्थ करवाये जायेंगे।
3. पाठों का कथाक्रम और श्लोकों का अन्वय परीक्षा में आएगा।

4. कारक, संख्या, विशेषण-विशेष्य सम्बन्धित नियम, अव्यय, शब्दरूप और धातुरूप वाक्यों में आयेंगे।
5. प्रश्नपत्र संस्कृतभाषा में आएगा।

**प्रथम सत्र**

1. **रुचिरा** - चतुर्थः पाठः - विद्यालयः  
पञ्चमः पाठः - वृक्षाः  
षष्ठः पाठः - समुद्रतटः  
सप्तमः पाठः - बकस्य प्रतीकारः  
अष्टमः पाठः - सूक्तिस्तबकः  
एकादशः पाठः - पद्मोत्सवः

**2. व्याकरण**

1. वर्णसंयोजनम्, वर्णवियोजनम्
  2. कारक और विभक्तियों का सामान्य परिचय (वाक्यों में)
  3. विशेषण प्रकरण - विशेषण-विशेष्य सम्बन्धित नियम - वाक्यों में प्रयोग
  4. शब्दरूप (वाक्यों में) - बालक, बालिका, फल, किम् (तीनों लिंगों में)
  5. धातुरूप (वाक्यों में) - (लट्, लृट् लकार) धातुएँ - पठ्, गम्, पा, नी
  6. वाक्यसंशोधनम् - वचन, लिंग, पुरुष, लकार, कारक तथा विशेषण-विशेष्य पर आधारित।
3. 1. अपठित-गद्यांश
  2. पत्रलेखनम् - संकेताधारितम् पत्रम्
  3. चित्रवर्णनम् - प्रदत्तचित्र के आधार पर संस्कृत में वाक्य
  4. हिन्दी से संस्कृत में अनवाद (पाँच वाक्यों में)

**पनरावृत्ति**

**द्वितीय सत्र**

1. **रुचिरा** - नवमः पाठः - क्रीडास्पर्धा  
दशमः पाठः - कृषिकाः कर्मवीराः  
द्वादशः पाठः - दशमः त्वम् असि  
त्रयोदशः पाठः - विमानयानं रचयाम  
चतुर्दशः पाठः - अहह आः च  
पञ्चदशः पाठः - मातलचन्द्र!!

## 2. व्याकरण

1. अव्यय प्रयोगः (रिक्तस्थान के रूप में) - समस्त अव्यय शब्द
  2. संख्या (वाक्यों में) - 1 से 20 तक।  
क्रमवाचक (पूरणार्थक) संख्या - प्रथम से दशम तक. पैलिंग में सभी विभक्तियों में प्रायोगिक ज्ञान।
  3. शब्दरूप (वाक्यों में) - मुनि, भानु, अस्मद्, युष्मद्
  4. धातुरूप (वाक्यों में) - (लट और लृट लकार) धातुएँ - स्था. नम. लिख. दृश
  5. वाक्यसंशोधनम् - वचन. लिंग. पुरुष. लकार. कारक तथा विशेषण-विशेष्य पर आधारित।
3. 1. अपठित-गद्यांश
  2. पत्रलेखनम् - संकेताधारितम् पत्रम्
  3. चित्रवर्णनम् - प्रदत्तचित्र के आधार पर संस्कृत में वाक्य।
  4. हिन्दी से संस्कृत में अनवाद (पाँच वाक्यों में)

## पनरावति

### FRENCH

**Text Book :** Apprenons Le Français-2

**Work Book :** Cahier d'exercices-2

**Dictionary :** LAROUSSE

### Learning Objectives

1. To enhance the level of the students both in written and spoken French.
2. To enable the students to express themselves more effectively, naturally and correctly in the productive skill of writing.
3. To enhance the level of vocabulary and strengthen their concepts of grammar.
4. To enable the students to write in an appropriate style for communication purposes.
5. To develop basic understanding, conjugation of verbs in present, articles, prepositions, conjunctions, adjectives, different expressions.

6. To implement different strategies to make learning French an enjoyable and interesting experience.
7. To acquaint them with French culture and civilization.

### General Note :

Questions from within the lessons will be asked in the exams/ tests so the students must ensure a thorough reading of the text.

### FIRST TERM

#### Detailed Study :

- Leçon 0 - Un coup d'œil sur la France
- Leçon 1 - Voilà le frère et la sœur de Manuel
- Leçon 2 - À la cafétéria
- Leçon 3 - Mon pays - La France
- Leçon 4 - Les parents de Manuel

**Work Book :** Leçons - 0, 1, 2, 3, 4

#### Grammar :

1. Les verbes en (-ER)
2. Les pronoms sujets
3. Les articles définis (le, la, les, l')
4. Pluriel des noms
5. Les verbes en (-IR)
6. Les articles indéfinis (un, une, des)
7. Les nationalités
8. Féminin et Pluriel des adjectifs
9. Le contraire (des adjectifs)
10. Les professions
11. La négation
12. Les verbes en (-GER)
13. Corrigez la faute
14. Mettez les phrases en ordre

### REVISION

### SECOND TERM

#### Detailed Study :

- Leçon 6 - Allons à l'école

Leçon 7 - Dans un grand magasin

Leçon 8 - Les repas

Leçon 9 - Ma maison

**Work Book :** Leçons - 6, 7, 8, 9

**Grammar :**

1. Les verbes en -eter, -eler, -cer (Pg. 59)
2. La négation (suite) (Pg. 54)
3. Les prépositions
4. Les verbes en (-RE) et les verbes irréguliers
5. Les nombres ordinaux
6. Les articles contractés
7. L'interrogation
8. Les articles partitifs
9. La négation avec l'article partitif et avec l'article défini
10. Les verbes en (-TIR) et les verbes irréguliers
11. Les adjectifs possessifs
12. Trouvez la question
13. Corrigez la faute
14. Mettez les phrases en ordre

**REVISION**

**MATHEMATICS**

**Text Book :** Mathematics - Textbook for Class VI (NCERT)

**Practice Book :** Maths Ladder - Practice Book for Mental Maths  
(Impression)

**Learning Objectives**

Teaching of Mathematics helps the learners to -

- acquire knowledge and understanding terms, symbols, concepts, principles, processes, proofs etc.
- consolidate the Mathematical knowledge and skills acquired at the primary level.
- develop mastery of basic algebraic skills.

— develop drawing skills.

— apply mathematical knowledge and skills to solve real life problems by developing abilities to analyze, to see interrelationship involved, to think and reason.

— develop interest in Mathematics as a problem solving tool in various fields.

— develop reverence and respect towards great Mathematicians, particularly towards the Indian Mathematicians for their contributions to the field of Mathematics.

**FIRST TERM**

**Chapter 1 : Knowing Our Numbers**

- Introduction
- Comparing Numbers
- Large numbers in Practice
- Using brackets
- Roman Numerals
- Ex. 1.1 to 1.3 with examples

**Practice Book :** Page No. 5 to 11

**Chapter 2 : Whole Numbers**

- Introduction
- Whole Numbers
- The Number Line
- Properties of Whole Numbers
- Patterns in Whole Numbers
- Ex. 2.1 to 2.3 with examples

**Practice Book :** Page No. 12 to 14

**Chapter 3 : Playing With Numbers**

- Introduction
- Factors and Multiples
- Prime and Composite Numbers
- Tests for Divisibility of Numbers

- Common Factors and Common Multiples
- Some More Divisibility Rules
- Prime Factorisation
- Highest Common Factor
- Lowest Common Multiple
- Some Problems on HCF and LCM  
Ex. 3.1 to 3.7 with examples

**Practice Book :** Page No. 15 to 21

#### **Chapter 4 : Basic Geometrical Ideas**

- Introduction
- Points, A Line Segment, A Line
- Intersecting Lines, Parallel Lines, Ray
- Curves
- Polygons
- Angles
- Triangles
- Quadrilaterals
- Circles  
Ex. 4.1 to 4.6 with examples

**Practice Book :** Page No. 22 to 26

#### **Chapter 5 : Understanding Elementary Shapes**

- Introduction
- Measuring Line Segments
- Angles - Right, Straight, Acute, Obtuse and Reflex
- Measuring Angles
- Perpendicular Lines
- Classification of Triangles
- Quadrilaterals
- Polygons
- Three Dimensional Shapes  
Ex. 5.1 to 5.9 with examples

**Practice Book :** Page No. 27 to 34

#### **Chapter 7 : Fractions**

- Introduction
- A Fraction
- A Fraction on a Number Line
- Proper Fractions, Improper Fractions, Mixed Fractions, Equivalent Fractions
- Simplest Form of a Fraction
- Like and Unlike Fractions
- Comparing Fractions
- Addition and Subtraction of Fractions  
Ex. 7.1 to 7.6 with examples

**Practice Book :** Page No. 41 to 49

#### **Vedic Mathematics**

1. Addition by “Ekadhikena Poorvena” Method
2. Subtraction by “Ekanyunena Poorvena” Method
3. Squaring of numbers by “Urdhava Sutra”
4. Multiplication by 11 using “Urdhva Tiryak Sutra”

#### **SECOND TERM**

#### **Chapter 6 : Integers**

- Introduction
- Integers
- Integers on Number Line
- Addition and Subtraction of Integers using a Number Line  
(and also without using number line)  
Ex. 6.1 to 6.3 with examples

**Practice Book :** Page No. 35 to 40

#### **Chapter 8 : Decimals**

- Introduction
- Tenths and Hundredths
- Comparing Decimals
- Using Decimals - Money, Length, Weight
- Addition of Numbers with Decimals



- Subtraction of Decimals  
Ex. 8.1 to 8.6 with examples

**Practice Book :** Page No. 50 to 57

### Chapter 9 : Data Handling

- Introduction
- Recording Data
- Organisation of Data
- Pictograph - Interpretation and Drawing of a Pictograph
- A Bargraph - Interpretation and Drawing of a Bargraph  
Ex. 9.1 to 9.4 with examples

**Practice Book :** Page No. 58 to 64

### Chapter 10 : Mensuration

- Introduction
- Perimeter
- Area  
Ex. 10.1 to 10.3 with examples

**Practice Book :** Page No. 65 to 73

### Chapter 11 : Algebra

- Introduction
- Matchstick Patterns
- The Idea of a Variable
- More Matchstick Patterns
- More Examples of Variables
- Use of Variables in Common Rules
- Expressions with Variables
- Using Expressions Practically
- What is an Equation?
- Solution of an Equation  
Ex. 11.1 to 11.5 with examples

**Practice Book :** Page No. 74 to 78

### Chapter 12 : Ratio and Proportion

- Introduction
- Ratio

- Proportion
- Unitary Method  
Ex. 12.1 to 12.3 with examples

**Practice Book :** Page No. 79 to 84

### Chapter 13 : Symmetry

- Introduction
- Making Symmetric Figures
- Figures with Two Lines of Symmetry
- Figures with Multiple Lines of Symmetry
- Reflection and Symmetry  
Ex. 13.1 to 13.3 with examples

**Practice Book :** Page No. 85 to 89

### Chapter 14 : Practical Geometry

- Introduction
- The Circle - Construction of a circle when radius is given
- A Line Segment - Construction using a ruler and compass
- Perpendiculars - Construction to a given line through (i) a point on it (ii) a point not on it
- The Perpendicular Bisector of a Line Segment
- Angles - Constructing an angle of given measure and a copy of an angle of unknown measure
- Bisector of an Angle
- Angles of special measures - Construction of angles of measure  $30^\circ$ ,  $60^\circ$ ,  $90^\circ$ ,  $120^\circ$ , etc.  
Ex. 14.1 to 14.6 with examples

**Practice Book :** Page No. 90 to 94

### Vedic Mathematics

1. Multiplication by “Nikhilam Navatas Caramamdasatah” Sutra
2. Division by Nikhilam Method. (Division of two digit numbers by one digit numbers)
3. Operations of mixed “Vinculum” Numbers
4. Instant subtraction by “Nikhilam Sutra”

## SCIENCE

**Text Book** - Science Text Book for Class-VI (NCERT)

### Learning Objectives

The objectives of teaching Science are :

- to strengthen the knowledge acquired at primary level
- to emphasize the acquisition of scientific knowledge
- to appreciate nature and sensitise the students about the environment
- to understand scientific language i.e. symbols, formulae, terms etc.
- to develop scientific aptitude/temper
- to apply the theoretical knowledge of Science to daily life
- to update the students with the latest technological developments that have taken place.

### FIRST TERM

#### Chapter 1 : Food - Where does it come from?

Food variety, food materials and sources, plant parts and animal products as food, what do animals eat?

#### Chapter 2 : Components of food

What do different food items contain? What do various nutrients do for our body? Balanced diet, deficiency diseases.

#### Chapter 3 : Fibre to Fabric

Variety in fabrics, fibres, some plant fibres, spinning cotton yarn, yarn to fabric, history of clothing material.

#### Chapter 6 : Changes Around Us

Can all changes be reversed? Could there be other ways to bring a change?

#### Chapter 10 : Motion and Measurement of Distances

Story of transport, how far have you travelled? How wide is this desk? Some measurements, standard units of measurements, correct measurement of length, measuring the length of a curved line, moving things around us, types of motion.

#### Chapter 12 : Electricity and Circuits

Electric cell, bulb connected to an electric cell, an electric circuit, electric switch, electric conductors and insulators.

#### Chapter 13 : Fun with Magnets

Magnetic and non-magnetic materials, poles of magnet, finding directions, make your own magnet, attraction and repulsion between magnets.

#### Chapter 16 : Garbage In, Garbage Out

Dealing with garbage, vermicomposting, think and throw, recycling of paper, plastics - boon or a curse.

### REVISION

### SECOND TERM

#### Chapter 4 : Sorting Materials into Groups

Objects around us, properties of materials.

#### Chapter 5 : Separation of Substances

Methods of separation - hand picking, threshing, winnowing, sieving, sedimentation, decantation and filtration, evaporation, use of more than one method for separation, can water dissolve any amount of a substance?

#### Chapter 7 : Getting to Know Plants

Herbs, shrubs and trees, stem, leaf, root, flower.

#### Chapter 8 : Body Movements

Human body and its movements (types of joints), gait of animals.

#### Chapter 9 : The Living Organisms and Their Surroundings

Organisms and the surroundings where they live, habitat and adaptation, a journey through different habitats, characteristics of organisms.

#### Chapter 11 : Light, Shadows and Reflections

Transparent, opaque and translucent objects, what exactly are shadows? A pinhole camera, mirrors and reflections.

#### Chapter 14 : Water

How much water do we use? Where do we get water from? Water cycle, back to the oceans, what if it rains heavily? What happens

if it does not rain for a long period of time? How can we conserve water? Rain water harvesting.

### Chapter 15 : Air Around Us

Is air present everywhere around us? What is air made up of? How does oxygen become available to animals and plants living in water and soil? How is the oxygen in the atmosphere replaced?

### REVISION

## SOCIAL SCIENCE

### Learning Objectives

The course in Social Science will help learners :

- develop an understanding of the processes of change and development - both in terms of time and space, through which human societies have evolved.
- deepen the knowledge and understanding of environment in its totality, their interactive processes and effects on future life of people.
- develop scientific temper by promoting the spirit of enquiry and following rational and objective approach in analysing and evaluating data and information as well as views and interpretations.

### Textbooks :

1. Our Pasts-I : Textbook in History for Class VI (NCERT)
2. Social and Political Life-I : Textbook for Class VI (NCERT)
3. The Earth Our Habitat : Textbook in Geography for Class VI (NCERT)
4. Atlas - Oxford School Atlas

### FIRST TERM

#### Our Pasts-I

Chapter-1 : What, Where, How and When?

**Map Work :** A site for hunting and gathering, sites where early agriculture developed, sites where first cities flourished

Chapter-2 : On the Trail of the Earliest People

**Map Work :** Important Palaeolithic Sites

Chapter-3 : From Gathering to Growing Food

**Map Work :** Important Neolithic Sites

Chapter-4 : In the Earliest Cities

**Map Work :** Important Harappan Cities, River around which Harappan civilization flourished

Chapter-5 : What Books and Burials Tell Us

Chapter-6 : Kingdoms, Kings and An Early Republic

**Map Work :** Important Janapadas and Mahajanapadas

### Social and Political Life-I

Chapter-1 : Understanding Diversity

Chapter-2 : Diversity and Discrimination

Chapter-3 : What is Government?

Chapter-4 : Key Elements of a Democratic Government

### The Earth : Our Habitat

Chapter-1 : The Earth in the Solar System

**Diagram :** Solar System

Chapter-2 : Globe : Latitudes and Longitudes

**Diagram :** Heat Zones, Grid

Chapter-3 : Motions of the Earth

**Diagram :** Day and Night on the Earth due to Rotation, Revolution of the Earth and Seasons

Chapter-4 : Maps

**Diagram :** Components of a map - Directions and Symbols

### SECOND TERM

#### Our Pasts-I

Chapter-7 : New Questions and Ideas

**Map Work :** The place where Buddha attained enlightenment, the place where teachings of Mahavira are available in original form

Chapter-8 : Ashoka, The Emperor Who Gave Up War

**Map Work :** Important cities of the Mauryan Empire, the place where Ashoka fought his last battle, places where inscriptions have been found (Rock edicts and Pillar edicts)

Chapter-9 : Vital Villages, Thriving Towns

Chapter-10 : Traders, Kings and Pilgrims

**Map Work :** Three ruling families of the South-Cholas, Cheras and Pandyas, Centre of Buddhist Learning

Chapter-11 : New Empires and Kingdoms

**Map Work :** Important towns of Gupta Empire, Important towns of Harsha's Empire

Chapter-12 : Buildings, Paintings and Books

### **Social and Political Life-I**

Chapter-5 : Panchayati Raj

Chapter-6 : Rural Administration

Chapter-7 : Urban Administration

Chapter-8 : Rural Livelihoods

Chapter-9 : Urban Livelihoods

### **The Earth : Our Habitat**

Chapter-5 : Major Domains of the Earth

**Map Work :** Political Map of World (Continents and Oceans)

**Diagram :** Layers of the Atmosphere

Chapter-6 : Major Landforms of the Earth

**Map Work :** Types of mountains (World), Highest Plateau in the World, Country where River Yangtze flows

**Diagram :** Fold mountain, Block mountains, volcanic mountain

Chapter-7 : Our Country - India

**Map Skills - Page 55**

**Additional Map Work :** Political Map of India (States and Union Territories), India and its Neighbours, Major Physical Divisions of India

Chapter-8 : India : Climate, Vegetation and Wildlife

**Map Work :** Advancing and Retreating Monsoon

## **COMPUTER SCIENCE**

### **Learning Objectives**

- to familiarize the students with the concept of computer fundamentals
- to develop logic for problem solving
- to develop the basic skills of spreadsheet and presentation software

### **Text Book : Tools-16 (Class-6)**

#### **FIRST TERM**

#### **Lesson 1 - Computer Language**

- Machine Language
- Assembly Language
- High Level Language
- Fourth Generation Language

#### **Lesson 5 - Microsoft Excel 2016**

- Selecting Cells
- Entering Numbers as Text
- Entering Date and Time
- Changing Cell Contents
- Using Undo and Redo feature
- Inserting Cells, Columns and Rows
- Deleting Cells, Columns and Rows
- Changing Row Height and Column Width
- Copying and Moving Data
- Using Auto Fill and Flash Fill Feature

#### **Lesson 6 - Formulas and Functions**

- Working with Formulas
- Using a Basic/Compound Formula
- Using a Range in Formula
- Using Formula on Text
- Type of Cell References
- Cell Reference of Another Worksheet
- Renaming a Worksheet

- Changing colour of a Sheet Tab
- Functions and Function Library
- Formula Errors

### SECOND TERM

#### Lesson 3 - Enhancing A Presentation

- Applying Animation Effects
- Adding Transition Effects
- Inserting Sound/Video Clips
- Using Action Buttons
- Importing data from Word
- Sharing Presentation Online

#### Lesson 9 - Introduction to MS Small Basic

- Algorithm
- Flowchart
- Introduction to Small Basic
- The Small Basic Environment
- Writing Small Basic Program
- Saving, Executing and Opening A Program
- Sharing Your Program
- Elements of Small Basic
- Statements
- String Concatenation
- Math Library Functions

#### Lesson 10 - Control Statements in Small Basic

- Branching Statements
- If Then/If Then Else
- If Else If Ladder
- Goto

#### Lesson 11 - Internet Services

- History
- Popular Services on the Internet
- WWW (World Wide Web)
- Video Conferencing

- Chatting
- Instant Messaging
- Internet Free Calls
- E-Learning
- E-Banking
- E-Commerce
- Internet T.V./Internet Radio

#### For Practical Only

Lesson 2 : More on Windows 10

Lesson 4 : Office Mix

Lesson 7 : Log on to Flash CS6

Lesson 8 : Working with Flash CS6

### WORK EXPERIENCE

#### Learning Objectives :

To help the pupils to develop essential knowledge and understanding in terms of :

- acquainting themselves with productive activities in the community
- understanding facts and scientific principles involved in various forms of work
- knowing the sources of raw material and understanding the use of tools and equipment in the production of goods and services
- understanding the utility of productive work and services to the community
- developing abilities for self-evaluation of performance and entrepreneurship

### ENGLISH LITERARY CLUB

#### FIRST TERM

1. Reading Newspaper and Writing News (Children will read newspaper and on the basis of their reading they'll write news).
2. Speaking thought for the day.

- Poetry Recitation/Reading (nature, bravery, education, humour etc.)
- Character Dramatisation (Literary Characters from the textbook).
- Story telling, Spin-a-Yarn
- Slogan Writing
- Group Discussion
  - Hardwork is the key to success
  - Technology – a boon or a bane

### SECOND TERM

- Reading Comic Strips  
Making a Comic Strip
- Vocabulary Enrichment (using oral and written games)
- Debate  
“Violent Video games contribute to youth violence”. (two more contemporary topics)
- Changing story into dialogues
- Enactment of Advertisements (Children will write advertisements on any product and then enact them)
- Writing a story on the basis of visual stimulus
- Reading of extracts from the works of Swami Vivekanand, Gandhiji etc.
- Radio Show

### हिंदी साहित्यिक समिति

### प्रथम सत्र

- शब्दकोश देखना / बनाना (वर्णमाला के क्रमानुसार)
- कविता पाठ
- नारे लेखन
- समाचार-पत्र वाचन
- दोहा पाठ
- विज्ञापन बनाना
- संवाद लेखन

### द्वितीय सत्र

- ताना-बाना (कहानी)
- स्वरचित कहानी/कविता
- पत्र-पाठ
- महावरे एवं लोकोक्तियों को सचित्र लिखना
- कहानी-रूपांतरण/नाट्य रूपांतरण
- चरित्र अभिनय/विज्ञापन - अभिनीत करना

### MATHEMATICS CLUB

### FIRST TERM

- Solving a Sudoku
- Solving a Quiz
- Solving pattern questions
- Crosswords
- Find the least common Multiples of three numbers less than 10
- To prove diameter is the longest chord of the circle
- Making shapes using a Pair of Set Squares
- To find area and perimeter of various objects e.g. book, notebook, pencil box etc.

### SECOND TERM

- Solving magic squares
- Discussion on applications of Mathematics in various spheres of life.
- To find prime and composite numbers from 1 to 100.
- To do a survey and Tabulating the data.
- To draw the angle of  $90^\circ$  and  $45^\circ$  by using paper folding.
- To prepare 2 recipes using fractions and decimals.
- IQ questions (miscellaneous)
- Determine the lines of symmetry of different shapes using folding paper.
- Children will frame questions on various topics and solve them.

**FINE ART**

**FIRST TERM**

1. Still life in 'Cubism'
2. Flower and Bird study
3. Madhubani Painting
4. Black and white floral design
5. Still life in light and shade effect

**SECOND TERM**

1. Landscape in 'Pointillism'
2. Decorative art
3. Simplified figure composition
4. Design involving textures and patterns
5. Pastel work on black sheet

**HANDICRAFT**

**FIRST TERM**

1. Mask making
2. Newspaper holder
3. Jewel Box
4. Straw painting
5. Plant holder

**SECOND TERM**

1. Socks monsters
2. Kandeel making
3. Coffee painting
4. Pot decoration
5. Ganesha frame

**CONNOISSEURS CLUB**

**FIRST TERM**

1. Tie and dye (in one or two colours)  
\* Hankies / Table mats - 6
2. Cake balls
3. Paper Mosaic
4. Quick Dahi Vada (with bread)
5. Gel Candle

6. Corn in cup
7. Chocolate biscuit cake
8. Jewellery designing
9. Rajasthani Cheela
10. Nutella Sandwich

**SECOND TERM**

1. Lemonade
2. Protein salad
3. Garden on plate (with hot glue gun)
4. Mini doll making
5. Instant rawa idli
6. Envelope making/mash making
7. Spatula key holder
8. Bread Pizza
9. Fruit coasters
10. Chocolate making

**WESTERN DANCE**

**Jazz, Flamenco, Jive Chinese**

1. Body movements
2. Exercise (warming work out)
3. Stretching exercise for flexibility of Body
4. Dance on western music with props
5. One dance on self composition

**शास्त्रीय नृत्य तथा लोक नृत्य**

**कथक**

- |                   |                 |
|-------------------|-----------------|
| 1. भूमि प्रणाम    | 2. ताल का ज्ञान |
| 3. पडन्त          | 4. ततकार        |
| 5. हस्तक          | 6. गणेश वन्दना  |
| 7. सरस्वती वन्दना |                 |

**लोक नृत्य**

- |               |                 |
|---------------|-----------------|
| 1. बीह (असमो) | 2. गरबा (गजरात) |
|---------------|-----------------|

**MUSIC**

**Theory**

1. 10 अलंकार
2. स्वर (शुद्ध, कोमल, तीव्र)
3. लय और ताल
4. सप्तक
5. वादी-संवादी, वर्जित स्वर, आरोह-अवरोह
6. तीनताल, दादरा, कहरवा तालों को ताली, खाली, सम विभाग दिखाते हुए ताल लिपि में लिखना।

**Practical**

1. अलंकारों का अभ्यास।
2. तालों का अभ्यास।
3. राग - भैरव
4. प्रार्थना तथा देशभक्ति गीतों का अभ्यास।
5. लोक संगीत तथा शास्त्रीय संगीत
6. आसामी गीत
7. भजन - सन लो साईं विनती हमारी
8. English Songs - 'We three kings of orient are'  
'Together, Together everyone'
9. Patriotic Songs - 'बदलेंगे तकदीर हम'  
'भारत वन्दे मातरम'
10. सरगम गीत (राग भैरव)
11. वाद्ययंत्र - Casio, Kongo, Harmonium

**YOGA**

(a) (i) Yoga Definition

(ii) Some General Instructions

(b) **Yogasana**

- |                   |                       |
|-------------------|-----------------------|
| (1) Padamasana    | (2) Paschimottanasana |
| (3) Bhunamanasana | (4) Janu-Sirsasana    |

- |                      |                  |
|----------------------|------------------|
| (5) Gomukhasana      | (6) Dhanurasana  |
| (7) Urd-Sarvangasana | (8) Sarvangasana |
| (9) Cakrasana        | (10) Titibhasana |
| (11) Bhujangasana    | (12) Salbhasana  |
| (13) Naukasana       | (14) Ustrasana   |
| (15) Makarasana      |                  |

(c) **Yogic Suksma-Vyayama**

- (1) Prayer Posture
- (2) Smarana-Sakti-Vikasaka
- (3) Buddhi-Tatha-Dhrti-Sakti-Vikasaka
- (4) Karna-Sakti-Vikasaka
- (5) Netra-Sakti-Vikasaka
- (6) Kapola-Sakti-Vikasaka
- (7) Griva-Sakti-Vikasaka
- (8) Purna-Bhuja-Sakti-Vikasaka
- (9) Bhuja-Bandha-Sakti-Vikasaka
- (10) Kati-Sakti-Vikasaka

(d) **Yogic-Sthula-Vyayama**

- (1) Hrd-gati (The Locomotive exercise)
- (2) Sarvang-Pusti (Developing the entire body)
- (3) Sirasana (Standing on the head)

**ART EDUCATION**

**Learning Objectives -**

- Introduce the student to new media and technique and their use for creative expression and making objects of common use.
- Refine the sense of appreciation of the beauty of nature and the basic elements of art forms

**FIRST TERM**

1. Stick figures (Human, animals, birds, objects, vehicles etc.)
2. Basic colouring strokes and techniques.
3. Know about colours (Primary, Secondary and Neutral)



**Art Redefined Book - 4**

Pages 3 to 33

**SECOND TERM**

**Art Redefined Book - 4**

Pages 34 to 66

**MUSIC, DANCE AND DRAMA**

**Theory**

1. Concept of Art Education
2. Basic knowledge of Performing Art
3. Definition of Sangeet, Swara, Saptak, Taal and Laya
4. Ten Alankars
5. Written work of 'Teentaal, Dadra, Keherva'
6. Knowledge of Classical Dance & Folk Dance
7. Knowledge of Western Dance forms
8. Basic knowledge of Theatre & Drama

**Practical**

1. Practice of Alankars
2. Practice of Taal
3. Practice of prayers and songs
4. Practice of Dance Drama & Nukkad Natak
5. Folk Song - 'वेण पाको'
6. English songs - 'If all the raindrop'  
'There shall be Showers of Blessings'
7. Bhajan - 'अच्युतम केशवम'
8. Exercises of Classical Dance and Western Dance

**PHYSICAL EDUCATION AND HEALTH EDUCATION**

**Learning Objectives**

- to bring overall development of students and to inculcate among students the desired habits and attitudes towards health to raise their health status.

**Theory :**

1. Knowledge of all physical exercises related with major games.
2. Knowledge of first aid treatment.
3. Knowledge of communicable diseases and their effects on our health.
4. Aims and objectives of Physical Education and Health Education.

**Practical (Games and Sports)**

1. Basket ball
2. Table Tennis
3. Badminton
4. Cricket
5. Athletics

