

SYLLABUS (2021-22)

CLASS VI

CONTENTS

S.No. Subject

1. English
2. Hindi
3. Sanskrit
4. French
5. Mathematics
6. Science
7. Social Science
8. Computer Science
9. General Knowledge
10. Work Experience
11. Art Education
12. Physical Education & Health Education

ENGLISH

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.

Textbooks

1. New Pathways Course Book-6 (MCB)
2. New Pathways Literature Reader-6 (LR)
3. Collins English Grammar and Composition-6
4. The Wit of Tenali Raman by Devika Rangachari

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**

- MCB - 1. How Daddy Played Ping-Pong
2. The Story of Fidgety Phillip
3. The Ant Explorer
LR- 4. Say the Right Thing

Writing Skills

1. Notice Writing
2. Display Advertisement
3. Informal Letter Writing

Grammar

1. Kinds of Sentences
2. Phrases and Clauses
3. Nouns
4. Nouns : Number
5. Countable and Uncountable Nouns
6. Nouns : Gender
7. Possessive Nouns
8. Verbs
9. Tenses
10. The Present Tense
11. The Past Tense
12. The Future Tense
13. Active and Passive Voice
14. Test-1

Literature and Long Reading Text

- LR - 1. How the Little Kite Learned to Fly (Poem)
2. The Magical Earth (Poem)
MCB - 3. On the Grasshopper and the Cricket (Poem)
LR - 4. Kali and the Rat Snake
5. Pret in the House
MCB - 6. Attila
7. How I Taught My Grandmother to Read

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)

Kali and the Rat Snake

The Wit of Tenali Raman

1. Two Boons
2. Going to Court
3. The Biter Bit
4. The Care of Horses
5. The Famous Fruit
6. The Art of the Painter
7. The One Who Never Yawned
8. A Bee in the Royal Bonnet

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

Listening Activities to be taken up in the term -

- MCB -
1. How I Taught my Grandmother to Read (Pg. 32)
 2. The Cherry Tree (Pg. 55 and 56)
 3. Attila (Pg. 80)
 4. Assessment of Listening Task 1 and 2 (Pg. 158, 159)

Creative Writing (Expressions)

1. The young boy and his grandfather looked after the cherry tree with a great deal of affection. They had to keep a close watch on the tree to protect it. Write a letter, as twelve year old Rakesh, to a friend telling him about the difficult times you faced to nurture the tree but also that it was worth the effort. (Refer to the chapter 'The Cherry Tree' in MCB)
2. Read the lesson 'The Giant Roc' in MCB and describe the situation in which you think Sindbad felt most threatened. Justify your view with suitable reasons.
3. 'The Story of Amber Beads' is set in Scotland. Describe atleast three instances from the story to prove this.

SECOND TERM

Reading Comprehensions

- MCB -
1. The Olympic Granny
 2. Lob's Girl
 3. Colonel Fazackerley Butterworth - Toast
 4. The Women Painters of Mithila

Writing Skills

1. Email Writing
2. Dialogue Writing
3. Paragraph Writing

Grammar

1. Transitive and Intransitive Verbs
2. Agreement of Subject with Verb
3. Finite and Non-Finite Verbs
4. Pronouns
5. Adjectives
6. Grammar on the Go
7. Articles
8. Adverbs
9. Prepositions
10. Conjunctions
11. Interjections
12. Direct and Indirect Speech
13. Phrasal Verbs
14. Prefixes and Suffixes
15. Punctuation
16. Test-2
17. Test-3

Literature and Long Reading Text

- LR -
1. Daybreak (Poem)
 2. The Spider and the Fly (Poem)
- MCB -
3. Indian Weavers (Poem)
- LR -
4. A Day's Wait
 5. The Cop and the Anthem
 6. The Merchant of Venice

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)

The Cop and the Anthem

The Wit of Tenali Raman

1. The Bundle of Wisdom
2. To Wager a Head
3. Danger in the Garden
4. The Snake in the Grass
5. Of Mangoes and Rods
6. The Bridal Shoe
7. Well Water and Hot Water
8. Less or More
9. Food For Thought
10. The Old Man and the Seed

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

Listening Activities to be taken up in the term -

- MCB -
1. Return to Air (Pg. 101)
 2. Quality (Pg. 121)
 3. The Canterville Ghost (Pg. 152)
 4. Assessment of Listening Task 3 and 4 (Pg. 159, 160)

Creative Writing (Expressions)

1. Write two paragraphs describing the incidents in your life : once when someone was kind to you and another when you were kind to someone. Also write about your feelings when someone showed you respect and kindness. (Refer to the Lesson 'Return to Air' in MCB)
2. You recently visited a crafts fair in your city. Artisans and craftsmen from various parts of the country had set up stalls at the fair, displaying their wares and showcasing their skills. Write an article for your school magazine describing the event. (Refer to the lesson 'Quality' in MCB)
3. Based on your reading about Mary Kom in the lesson 'Mary Kom: Never Say Die!' in MCB, write a paragraph on the qualities that you think are required to be a successful sports person. Support your answer with examples.

हिन्दी

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 शुद्ध अभिव्यक्त करने की क्षमता का विकास करना।
6. शब्दों, मुहावरों, लोकोक्तियों का सुचिंतित 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 और निबंधात्मक प्रश्न करवाए जाएँगे।
2. परीक्षा में पाठ के मध्य से प्रश्न पूछे जाएँगे; अतः पाठ को ध्यानपूर्वक पढ़ना आवश्यक है।

पाठ्य पुस्तकें

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

प्रथम सत्र

वसंत भाग-1

गद्य-पाठ -

1. बचपन
2. टिकट अलबम
3. ऐसे-ऐसे

पद्य-पाठ -

1. वह चिड़िया जो (कविता)
2. चाँद से थोड़ी-सी गप्पें (कविता)

पूरक-पुस्तक

रामायण सार -

1. बाल-कांड (राम-जन्म, राम-विवाह)
2. अयोध्या-कांड (कैकेयी के दो वरदान, राम का वन-गमन, चित्रकूट में राम-भरत मिलन)
3. अरण्य -कांड (दंडकवन, सीताहरण, सीता की खोज)

व्याकरण -

1. भाषा, लिपि और व्याकरण
2. वर्ण और वर्णमाला
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. अनेकार्थक शब्द (1 से 10 तक)
11. मुहावरे (1 से 10 तक)

रचना-कौशल -

1. अपठित-गद्यांश :-
(क) पेपरमेशी
(ख) संसार एक पुस्तक है
2. अपठित-पद्यांश :-
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. पार नज़र के
2. साँस-साँस में बाँस

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)

पूरक-पुस्तक

रामायण सार -

1. किष्किंधा-कांड (राम-सुग्रीव मित्रता)
2. सुंदर-कांड (लंका में हनुमान)
3. लंका-कांड (लंका पर चढ़ाई, लंका विजय, विभीषण का राज्याभिषेक)
4. उत्तर-कांड (राम-राज्य)

व्याकरण -

1. क्रिया (कर्म के आधार पर)
2. क्रिया-विशेषण
3. विराम-चिह्न
4. पर्यायवाची शब्द (16 से 30 तक)
5. विलोम शब्द (21 से 40 तक)
6. वाक्यांशों के लिए एक शब्द (21 से 40 तक)
7. मुहावरे (11 से 20 तक)

रचना-कौशल -

1. अपठित-गद्यांश
लोकगीत
2. अपठित-पद्यांश
मत बाँटें इंसान को
3. चित्र-वर्णन - 2
4. संवाद-लेखन - 2
5. विज्ञापन-लेखन - 2
6. पत्र-लेखन (अनौपचारिक-पत्र) - 2
7. निबंध-लेखन - 2

शीतावकाश (प्रयोज्य कार्य हेतु) -

1. अक्षरों का महत्त्व
2. जो देखकर भी नहीं देखते

संस्कृत

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 सौंदर्यबोध , 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 कराया जाएगा । भाषिक कार्य में जैसे – प्रश्न-निर्माण, पर्यायवाची, विलोम शब्द, कर्तृ-क्रिया-पदचयन, विशेषण-विशेष्य, संज्ञा, सर्वनाम प्रयोग आदि कराये जाएंगे ।
2. रुचिरा के पाठ्यक्रमानुसार पाठों का संमूर्ण अभ्यास तथा समस्त शब्दार्थ करवाये जाएंगे ।
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 ।

पाठ्य पुस्तकें –

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

प्रथमः सत्रः

1. रुचिरा

चतुर्थः पाठः	-	विद्यालयः
पंचमः पाठः	-	वृक्षाः
षष्ठः पाठः	-	समुद्रतटः (गद्य)
सप्तमः पाठः	-	बकस्य प्रतीकारः
अष्टमः पाठः	-	सूक्तिस्तबकः
एकादशः पाठः	-	पुष्पोत्सवः (गद्य)

2. व्याकरणम् -

वर्णसंयोजनम्, वर्णवियोजनम्

कारक और विभक्तियों का सामान्य परिचय (वाक्यों में)

विशेषण प्रकरण- विशेषण- विशेष्य सम्बन्धित नियम - वाक्यों में प्रयोग

शब्द रूप (वाक्यों में)- बालक, बालिका, फल, किम् (तीनों लिंगों में)

धातुरूप - पठ् , गम् , पा, नी (लट् और लृट् लकार)

वाक्य संशोधनम्- वचन लिंग पुरुष, लकार,कारक तथा विशेषण-विशेष्य पर आधारित ।

3. 1 अपठित गद्यांशः

- 2 पत्रलेखनम् - संकेत-आधारित पत्रम्
3. चित्रवर्णनम् – प्रदत्तचित्र के आधार पर संस्कृत में वाक्य
4. हिंदी से संस्कृत में अनुवाद (पाँच वाक्य)

द्वितीयः सत्रः

1. रुचिरा

नवमः पाठः	-	क्रीडास्पर्धा
दशमः पाठः	-	कृषिकाः कर्मवीरा (पद्य)
द्वादशः पाठः	-	दशमः त्वं असि

- त्रयोदशः पाठः - विमानयानं रचयाम (पद्य)
चतुर्दशः पाठः - अहह आः च
पञ्चदशः पाठः - मातुलचन्द्र !! (पद्य)

2. व्याकरणम् -

1. अव्यय प्रयोगः (रिक्त स्थान के रूप में) - समस्त अव्यय
2. संख्या (वाक्यों में) - 1 से 20 तक ।
क्रमवाचक (पूरणार्थक) संख्या - प्रथम से दशम तक, पुल्लिंग में सभी विभक्तियों में प्रायोगिक ज्ञान
3. शब्द रूप (वाक्यों में)- , मुनि, भानु, अस्मद्, युष्मद्
4. धातुरूप (वाक्यों में)- नम्, स्था, लिख, दृश् (लट् और लृट् लकार)
5. वाक्य संशोधनम् - वचन लिंग पुरुष, लकार, कारक तथा विशेषण विशेष्य पर आधारित ।
3. 1 अपठित गद्यांशः
 - 2 पत्रलेखनम् - संकेत-आधारित पत्रम्
 3. चित्रवर्णनम् – प्रदत्तचित्र के आधार पर संस्कृत में वाक्य
 4. हिंदी से संस्कृत में अनुवाद (पाँच वाक्य)

FRENCH

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.

Textbook: Accueil-1

Workbook: Cahier d' exercices-1

Dictionary: Gems Collins French Dictionary

FIRST TERM

Detailed Study

Textbook:

Leçon 0 -Bonjour la France!

Leçon 1 - Les lettres et les nombres

Leçon 2 - Les salutations

Leçon 3 - À la cantine

Leçon 4 - Les objets et les gens

Leçon 5 - La chambre d'Alain

Workbook: Leçons - 0, 1, 2, 3, 4, 5

Grammar :

1. L'alphabet
2. Les accents
3. Les salutations
4. Les nombres cardinaux (0-100)
5. Les pronoms sujets

6. Les verbes <<être>> et <<avoir>>
7. Qu'est-ce que c'est? / Qui est-ce?
8. Les adjectifs et ses contraires
9. Les articles définis et indéfinis
10. Les noms pluriels
11. Corrigez la faute
12. Retrouvez les phrases

SECOND TERM

Detailed Study

Textbook:

Leçon 6 - Le ciel bleu, le parc vert

Leçon 7 - Une sortie entre amis

Leçon 8 - Présentez-vous!

Leçon 9 - La famille d'Alain

Leçon 10 - Belles images

Workbook: Leçons - 6, 7, 8, 9, 10

Grammar :

1. Le verbe <<aller>>
2. Les verbes en-er
3. Les adjectifs possessifs
4. Le pluriel des noms
5. L'accord des adjectifs
6. Les couleurs
7. Corrigez la faute
8. Les nationalités
9. Retrouvez les phrases

MATHEMATICS

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.

Textbook : Mathematics - Textbook for Class VI (NCERT)

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

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

— Fraction on the Number Line

— Proper Fractions, Improper and 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 “Urdhava Tiryak Sutra”

SECOND TERM

Chapter 6 : Integers

- Introduction
- Integers
- Addition and Subtraction of Integers with the help of 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, 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 Bar graph - Interpretation and Drawing of a Bar graph
- 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 : Ink-blot Devils

— 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 of a line segment of a given length and copy of a given line segment

— Perpendiculars - Construction to a given line through a point on it and 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° , 60° , 90° , 120° , etc.

Ex. 14.1 to 14.6 with examples

Practice Book : Page no. 90 to 94

Vedic Mathematics

1. Multiplication by “Nikhilam Navatas Caramandasatah” 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

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.

Textbook : Science Textbook for Class VI (NCERT)

Assignment Book : Science Exemplar Problems for Class VI

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 always be reversed? Could there be other ways to bring a change?

Chapter–10 : Motion and Measurement of Distances

Story of transport, 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.

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? Watercycle, back to the oceans, what if it rains heavily? What happens if it does not rain for a long period? 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?

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 : From Hunting - Gathering to Growing Food

Map Work : Important Palaeolithic sites, Important Neolithic sites

Chapter-3 : In the Earliest Cities

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

Chapter-4 : What Books and Burials Tell Us (Project)

Chapter-5 : 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-6 : New Questions and Ideas

Map Work : The place where Buddha attained enlightenment, the place where teachings of Mahavira are available in original form
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-8 : Vital Villages, Thriving Towns

Chapter-9 : Traders, Kings and Pilgrims

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

Chapter-10 : New Empires and Kingdoms

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

Chapter-11 : Buildings, Paintings and Books (Project)

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), Ural Mountains, Isthmus of Panama

Diagram : Layers of the Atmosphere

Chapter-6 : Major Landforms of the Earth

Map Skills - Page 46

Diagram : Fold mountain, Block mountain, 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

COMPUTER SCIENCE

Learning Objectives

- to develop the basic skills of spreadsheet software
- to understand the concept of computer memory
- to acquire knowledge about Google Apps and Internet services

Textbook: IT Planet-Petabyte (Class 6)

FIRST TERM

Lesson 2: Computer Memory

- Computer Memory
- Memory Units
- Primary Memory
- Cache Memory
- Secondary Memory

Lesson 3: Excel-Creating Worksheet

- Microsoft Excel
- Starting Excel
- Project: Annual Progress Report
- Creating Worksheet
- Generating a Series
- Formatting Worksheet

Lesson 4: Excel-Formula and Function

- Introduction to Formula
- Creating a Formula
- Functions in Excel
- Cell Reference
- Changing Number Formats

SECOND TERM

Lesson 5: Excel-Creating Charts

- Worksheet
- Worksheet Views
- Charts in Excel
- Types of Charts
- Project: Chart of Students' Marks
- Creating a Chart
- Changing the Type of Chart
- Inserting SmartArt
- Inserting Sparklines

Lesson 9: Google Apps

- Introduction to Google
- For Surfing and Research
- For Staying in Touch
- For Organizing your Stuff
- For Working Smartly
- For Watching, Listening and Playing
- Google Devices

Lesson 10: Internet Services & Safety

- Internet
- Ways to Connect the Internet
- Services of the Internet
- Searching Information on Internet
- Protecting Yourself from Identity Theft

For Practical Sessions only-

Lesson 6: Adobe Animate-Introduction

Lesson 7: Adobe Animate-Drawing Tools

Lesson 8: Windows Movie Maker

GENERAL KNOWLEDGE

Learning Objectives :

- To help the children enhance their general awareness
- To help the children improve their thinking and reasoning skills
- To help the children understand and analyse situations
- To help the children prepare for competitive exams

Textbook - GK Whiz 6, Frank Emu Books

FIRST TERM

Nature

- Newborn Animals
- Green Friends
- Save Them
- National Animals
- Sea Giants and Dwarfs

India

- Indian Sportswomen
- Indian Martial Arts

World

- World Trip
- Magic of Museums
- Famous Places
- The 20th Century
- Man-made Marvels
- Carbon Footprint

Language

- Best Openers
- Camping Trip
- Book Awards
- Writers of Different Languages

Science

- Computer Words
- Alternative Therapies
- The Beyond
- Illness and Diseases

Sports

- Sports Terms
- Mascots
- Unusual Team Sports
- We are a Team

Entertainment

- Movies
- All about Music

SECOND TERM

Nature

- Hunting Animals
- Insects and Bugs
- Pick the Plant
- Circle of life - Making Compost Life Skills
- Plant Mania
- Health from Plants

India

- The House Sparrow
- Desh ka Apna Channel

World

- Tribals of the World
- Looking Back
- Governments
- Special Names
- Money for Me Life Skills
- Fiery Mountains
- Cities of the world

Language

- I Spy
- Figures of Speech
- Round the Sound
- Mythical Greek Figures

Science

- Measuring Instruments
- Chemistry Check
- Stephen Hawking
- Great Inventors

Sports

- Devendra Jhajharia - Javelin Thrower
- Commonwealth 2018
- Game to Name
- Indian Premier League

Test Paper 1

Test Paper 2

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.
3. Poetry Recitation/Reading (nature, bravery, education, humour etc.)
4. Character Dramatisation (Literary Characters from the textbook).
5. Story telling, Spin-a-Yarn

6. Slogan Writing
7. Group Discussion
 - Hardwork is the key to success
 - Technology – a boon or a bane

SECOND TERM

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

हिंदी साहित्यिक समिति

प्रथम सत्र

1. शब्दकोश देखना / बनाना (वर्णमाला के क्रमानुसार)
2. कविता पाठ
3. नारे लेखन
4. समाचार-पत्र वाचन
5. विज्ञापन बनाना
6. संवाद लेखन

द्वितीय सत्र

1. ताना-बाना (कहानी)
2. स्वरचित कहानी/कविता
3. पत्र-पाठ
4. मुहावरे एवं लोकोक्तियों को सचित्र लिखना
5. वर्ग पहेली बनाना
6. चरित्र-अभिनय/विज्ञापन - अभिनीत करना

MATHEMATICS CLUB

FIRST TERM

1. Solving a Sudoku
2. Sieve of Eratosthenes – finding prime and composite numbers
3. Solving pattern questions
4. Word search – Mathematical terms
5. Coin game
6. Making shapes using a Pair of Set Squares
7. Create colourful figures of the given perimeters using squared paper

SECOND TERM

1. Solving magic squares
2. Discussion on applications of Mathematics in various spheres of life
3. Optical illusion
4. Collecting and tabulating the data
5. To draw the angles of 90° and 45° by using paper folding
6. Solving a Quiz
7. Determine the lines of symmetry of different shapes using folding papers

ELECTRONICS AND ECO CLUB

FIRST TERM

1. Kitchen Garden - 'The Organic Way'
2. Making a torch using reusable materials
3. World Environment Day - Powerpoint presentation on recycling of materials
4. Recycle, Reuse, Rethink - making of dustbins from trash
5. Making a vacuum cleaner
6. Cleanliness Drive

SECOND TERM

1. Pollution Catcher
2. Pop Bottle Bird Feeder
3. Poster making on 'Being Healthy is as simple as ABC' (Always Active Beverage Better Choose Calories)
4. Electric Fun (Games/Quizzes)
5. Making a Greeting Card using eco-friendly material
6. Role play on Eminent Indian Scientists

FINE ART

FIRST TERM

1. Warli Art
2. Still life in Oil Pastels
3. Flower and Bird study
4. Landscape in Pointillism
5. Floral design in vibrant colours

SECOND TERM

1. Portrait Study
2. Design involving textures
3. Simplified figure composition
4. Poster Making
5. Pastel Work on Black sheet

HANDICRAFT

FIRST TERM

- | | |
|---------------------|-------------------|
| 1. Newspaper holder | 2. Straw painting |
| 3. Mask making | 4. Jewel Box |
| 5. Paper Collage | |

SECOND TERM

- | | |
|-------------------|--------------------|
| 1. Kandeel making | 2. Coffee painting |
| 3. Paper Craft | 4. Pot decoration |
| 5. Ganesha frame | |

CONNOISSEURS CLUB

FIRST TERM

1. Cake balls
2. Paper Mosaic
3. Gel Candle
4. Quick Dahi Vada (with bread)
5. Corn in cup
6. Chocolate biscuit cake
7. Rajasthani Cheela
8. Tie and dye (in one or two colours)

* Hankies / Table mats - 6

SECOND TERM

1. Nutella Sandwich
2. Lemonade
3. Protein salad
4. Instant rawa idli
5. Envelope making/Mask making
6. Spatula key holder
7. Bread Pizza
8. Chocolate making

WESTERN DANCE FLAMENCO, JAMAICAN, HIP HOP, JIVE

1. Body movements
2. Exercise (warming work out)
3. Stretching exercise for Flexibility of Body
4. Dance on Western Music with Prop
5. One Dance On Self Composition

शास्त्रीय नृत्य तथा लोक नृत्य

ऑडिसी

1. भूमिप्रणाम
2. हस्त मुद्राएं
3. गणेश वंदना
4. चौक
5. त्रिभंग

लोक नृत्य

1. लावणी(महाराष्ट्र)
2. गिददा(पंजाब)
3. गरबा(गुजरात)

MUSIC

Theory:

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

Practical:

1. अलंकारों का अभ्यास
2. तालों का अभ्यास
3. राग- यमन
4. प्रार्थना तथा देशभक्ति गीतों का अभ्यास
5. लोक संगीत तथा शास्त्रीय संगीत
6. राजस्थानी लोक गीत
7. भजन - राम भजो राम भजो
8. English Songs – ‘Hark the Herald Angels Sing’
‘Ding Dong Merrily On High’
9. Patriotic Songs- ‘कदम-कदम बढ़ाये जा’
‘हम सब भारतीय हैं’

10. सरगम गीत (राग भैरव)
11. वाद्ययंत्र- Casio, Kongo, Harmonium

YOGA

- (a) (i) Introduction of yoga and its definition
(ii) Some General Instructions

(b) **Yogasana**

- | | |
|----------------------|--------------------|
| (1) Padamasana | (2) Janu-Sirsasana |
| (3) Pachimottanasana | (4) Bhunamansana |
| (5) Gomukhasana | (6) Sarvangasana |
| (7) Urd-Sarvangasana | (8) Titibhasana |
| (9) Salbhasana | (10) Bhujangasana |
| (11) Naukasana | (12) Ustrasana |
| (13) Natrajasana | (14) Karnapidasana |
| (15) Surya-Namaskara | |

(c) **Yogic Suksma-Vyayama**

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

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

- (1) Hard-gati
- (2) Sarvang-Pusti
- (3) Reka-gati

ART EDUCATION

Learning Objectives -

- Introduce the students 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 artforms.

Textbook - Art Redefined Book 4

FIRST TERM

1. Know about colours (Primary, Secondary and Neutral)
2. Basic colouring strokes and techniques.

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 and Saptak
4. 10 Alankaars
5. Knowledge of Classical Dance and Folk Dance
6. Basic knowledge of Theatre and Drama

Practical:

1. Practice of Alankaars
2. Practice of Taal
3. Practice of Dance, Drama and Nukkad Natak
4. Folk Song – Rajasthani Lok Geet
5. Bhajan - ‘ Avadh Mein Ram Aaye Hai’
6. English Songs- ‘ If you miss the train’
‘ There shall be showers of blessings’
7. Exercises of Classical 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. Aims and objectives of Physical Education and Health Education.
2. Knowledge of communicable diseases and their effects on our health.
3. Give brief knowledge about major games, indoor games and outdoor games
2. Knowledge of first aid treatment during games

Practical

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