

# Learning Outcome of Class 1st & 2nd ( Hindi, English, Math & Science )

## Subject - Hindi Class -1st

कक्षा - प्रथम में पढ़ाए गए पाठों से प्राप्त परिणाम

### पाठ - 1 राजा बेटा (कविता)

- i. बच्चों में हिन्दी भाषा के प्रति रूचि उत्पन्न हुई।
- ii. भाषा के विभिन्न कौशल का विकास हुआ।
- iii. बच्चे कविता का हाव- भाव और लय के साथ वाचन करना सीख गए।
- iv. बच्चों का मानसिक और बौद्धिक विकास हुआ।
- v. बच्चे अपने दैनिक कार्यों के बारे में भी अवगत हो गए।

### पाठ -2 (अमन)

- i. भाषा के कौशल (पठन, श्रवण, वाचन, और लेखन) का विकास हुआ।
- ii. बच्चे विभिन्न वर्णों से सार्थक शब्द बनाना सीख गए।
- iii. पाठ में आए दो, तीन, और चार अक्षर वाले शब्दों को ढूँढकर लिखने में सक्षम हो गए।

### पाठ -3 (समझदार अजय)

- i. बच्चों में हिन्दी भाषा के प्रति रुचि उत्पन्न हुई।
- ii. बच्चे आ मात्रा का प्रयोग करना सीख गए।
- iii. श्रुतलेख के माध्यम से शुद्ध वर्तनी का प्रयोग करना सीख गए।
- iv. छात्रों का मानसिक और बौद्धिक विकास हुआ।

### पाठ - 4 ( विवाहकादिन)

- i. बच्चों के विभिन्न कौशल का विकास हुआ।
- ii. बच्चे (इ) मात्रा का प्रयोग करना सीख गए।
- iii. बच्चों की शब्दावली और आत्मविश्वास बढ़ा।
- iv. श्रुतलेख के माध्यम से बच्चे शुद्ध वर्तनी का प्रयोग करना सीख गए।
- v. तर्कशक्ति का भी विकास हुआ।
- vi. बच्चों में हिन्दी भाषा के प्रति रूचि उत्पन्न हुई।

### पाठ 5 (दीपावली आई)

- i. छात्रों में हिन्दी भाषा के प्रति रूचि उत्पन्न हुई।
- ii. बच्चे (ई) मात्रा का उपयोग करना सीख गए।
- iii. श्रुतलेख के माध्यम से शुद्ध वर्तनी का प्रयोग करना सीख गए।
- iv. तर्क शक्ति का भी विकास हुआ।

## पाठ6 ( गुड़िया की शादी)

- i. भारत के विभिन्न कौशलों का विकास हुआ।
- ii. बच्चे उ मात्रा का प्रयोग करना सीख गए।
- iii. बच्चों की शब्दावली और आत्मविश्वास बढ़ा।
- iv. श्रुतलेख के माध्यम से शुद्ध वर्तनी का प्रयोग करना सीख गए । .
- v. बच्चों का मानसिक और बौद्धिक विकास हुआ।
- vi. वर्ग पहिली के माध्यम से बच्चे विभिन्न मात्राओं के बारे में अवगत हो गए।
- vii. बच्चों के शब्द भंडार में वृद्धि हुई।
- viii. बच्चों की तार्किक शक्ति का भी विकास हुआ।

**Subject - Mathematics**

**Class 1st**

### Topic- Comparison

1) After completing comparison students are able to compare things according to-

- a) Size
- b) Length
- c) Height
- d) Quantity
- e) Thickness

2) They are able to understand the concept of far and near.

3) They are able to put the things in order according to-

- a) Size
- b) Length
- c) Height
- d) Thickness

### **Topic- Number concept(0-50)**

1) After completing number concept (0-50) students are able to-

- a) write missing numbers in the given series.
- b) read and write number names upto 20.
- c) tell how many tens and ones are there in any number.
- d) read number on Abacus and to show numbers on Abacus.
- e) recognise the greater and smaller number and now they can put the correct sign of greater than(>),less than(<) and equal to (=) between two numbers.
- f) write numbers that comes before and after any number and between two numbers.
- g) arrange the numbers in ascending and descending order. h) write the numbers in ordinal form i.e. 1st, 2nd, 3rd.....and to tell the position of any object in the series.

**Subject - EVS**

**Class 1st**

## **Chapter 1 More about me**

1. Students are able to identify sense organs and body parts.
2. Students are able to know the functions of sense organs.

## **Chapter 2 Keeping clean**

1. Students are able to know cleanliness habits.
2. Students are able to identify things which are used for keeping our body clean.

## **Chapter 3 Our food**

1. Students are able to know difference between healthy food and unhealthy food.
2. Students are able to identify different types of food.

## **Chapter 4 Keeping healthy**

1. Students are able to know healthy habits in daily routine.

## **Subject - English      Class 1st**

### **Lesson No. 1**

#### **The pets**

- I. Able to read three letter words with proper pronunciation
- II. Able to learn concept of -in, on ,under.
- III. More confident in reading.

### **Lesson No 2**

#### **Kitty the naughty cat.**

- I. Able to understand the concept of this and that.
- II. Able to read sentences with proper intonation.
- III. Able to show creativity in drawing and colour knowledge

### **Lesson No 3**

### A funny funny zoo

- I. Able to identify different animals with their sounds.
- II. Able to read lesson confidently and effectively.

### **Lesson No 4**

#### Neha in a jeep ("ee" sound)

- I. Able to read effectively stress on a sound of "ee".
- II. Able to recognize new words and enrich vocabulary.
- III. Analyze interpret and evaluate the idea from the text and inference.

### **Learning Outcome – Class 2<sup>nd</sup> Subject – Hindi**

कक्षादूसरीमेंपढ़ाएगएपाठसेप्राप्तपरिणाम

#### पाठ1सीखो (कविता )

- I. बच्चों में हिंदी भाषा के प्रति रुचि उत्पन्न हुई।
- II. भाषा के विभिन्न कौशलों का विकास हुआ।
- III. बच्चे कविता का हाव-भाव और लय के साथ वाचन करना सीख गए।
- IV. कविता के माध्यम से बच्चे अच्छी बातों और संस्कारों के बारे में सीख गए।
- V. तर्क शक्ति का भी विकास हुआ।

#### पाठ -2 (ठीककामकरें)

- I. भाषा के विभिन्न कौशलों (पाठन, श्रवण वाचन और लेखन) का विकास हुआ।
- II. अनुस्वार और अनुनासिक में भेद करना सीख गए।
- III. विभिन्न प्रकार के फूलों के बारे में जानकारी प्राप्त हुई।
- IV. बच्चे सही काम और गलत काम में भेद करना सीख गए।

#### पाठ-3 (दादीकागांव )

- I. बच्चों में हिंदी भाषा के प्रति रुचि उत्पन्न हुई।
- II. बच्चों को दादा-दादी, चाचा-चाची आदि सगे संबंधियों के बारे में जानकारी प्राप्त हुई।
- III. बच्चों को गांव और शहर के बारे में भरपूर जानकारी प्राप्त हुई।
- IV. यातायात के साधनों के बारे में जानकारी मिली।
- V. बच्चों में तार्किक शक्ति का भी विकास हुआ।

#### पाठ - 4 (मेहनतकाफल)

- I. छात्रों में भाषा के विभिन्न कौशलों का विकास हुआ।
- II. बच्चे मेहनत करने के बारे में सीख गए ।

- III. स्कूल के महत्व के बारे में जानकारी मिली।
- IV. बच्चों को मिलकर काम करने में जो शक्ति है उसकी जानकारी प्राप्त हुई।
- V. बच्चों ने साफ सफाई के महत्व को सीखा।
- VI. बच्चों को विपरीत शब्दों के बारे में भी जानकारी मिली।

### **पाठ -5 (जन्मदिन)**

- I. बच्चों में हिंदी भाषा के प्रति रुचि उत्पन्न हुई।
- II. बच्चे जन्म दिन का कार्ड बनाना सीख गए।
- III. बच्चे जन्मदिन पर मिलने वाले और देने वाले तोहफों के बारे में जान गए।
- IV. कम शब्दों का प्रयोग करते हुए वाक्य बनाना सीख गए।
- V. बच्चों में तार्किक शक्ति का भी विकास हुआ।

### **पाठ -6 (दांतकादर)**

- I. भाषा के विभिन्न कौशलों का विकास हुआ।
- II. बच्चों को दातों के महत्व और साफ-सफाई का ज्ञान प्राप्त हुआ।
- III. दूध पीने के महत्व और सुबह शाम ब्रश करने की जानकारी प्राप्त हुई।
- IV. बच्चों की शब्दावली और आत्मविश्वास बढ़ा।
- V. बच्चे शब्दों में आधा वर्ण लगाकर शब्द पूरा करना सीख गए।
- VI. समानलय के बारे में जानकारी प्राप्त हुई।

### **पाठ -7 ( बालदिवस )**

- I. बच्चों में हिंदी भाषा के प्रति जानकारी और रुचि उत्पन्न हुई।
- II. बच्चे बाल दिवस के महत्व के बारे में समझे।
- III. बच्चों को बाल दिवस कब, क्यों और कैसे मनाया जाता है कि बारे में जानकारी प्राप्त हुई।
- IV. विभिन्न जानवरों के बारे में जानकारी प्राप्त हुई।
- V. नुक्ता वाले शब्दों और वर्णों की जानकारी मिली।
- VI. जंगल में रहने वाले छोटे और बड़े जानवरों के बारे में जानकारी प्राप्त हुई।
- VII. जानवरों के घरों के बारे में तथा जंगल और पानी में रहने वाले जीवों की भी जानकारी मिली।
- VIII. बच्चों की तार्किक शक्ति का विकास हुआ।

## **Learning Outcome – Class 2<sup>nd</sup> Subject – English**

### **Lesson No. 1**

#### **Sheetal**

- I. Able to read loudly, fluently and with proper pronunciation
- II. Able to learn to recognize new word and enrich vocabulary.

### **Lesson No. 2**

### **Riddle time**

- I. Able to enhance critical thinking skill.
- II. Showing great interest in poem recitation.
- III. Able to identify rhyming words easily.

### **Lesson No. 3**

#### **Push and the parrot**

- I. Able to deliver dialogues effectively in role play
- II. Able to enhance vocabulary
- III. Able to understand the concept of :is ,am ,or ,has ,have.
- IV. Analyse interpret and evaluate the ideas from the text and make inference.

### **Lesson No. 3**

#### **Helpful friend**

- I. Able to analyze interpret and evaluate the idea from the text and make inference.
- II. Able to learn recognize new words and enrich vocabulary.
- III. Able to read loudly and with proper in pronunciation in the class.
- IV. Able to form the small sentences.

## **Learning Outcome – Class 2<sup>nd</sup>Subject – EVS**

### **Chapter 1 More about me**

1. Students are able to know functions of their body parts.
2. Students are able to identify different body parts by their names.

### **Chapter 2 More about personal cleanliness and good habits**

1. Students are able to know good habits.
2. Students are aware about personal cleanliness.

### **Chapter 3 Our food**

1. Students are able to know different sources of food.
2. Students are aware about unhealthy food.

## Chapter 4 Our clothes

1. Students are able to identify and name the clothes that they wear in different seasons.
2. Students are able to know sources of different clothes.

## Chapter 5 A house to live in.

1. Students are able to know difference between temporary houses and permanent houses.
2. Students are able to know materials used for building different houses.

### CLASS – 3<sup>RD</sup>

#### LEARNING OUTCOMES

#### ENGLISH

Ch- Dolphins (learning outcomes)

- 1) Able to know about difference between fish and mammals
- 2) Able to know how we can be good friends with animals
- 3) Able to heighten their awareness of correct usage of English grammar in speaking as well as writing
- 4) Able to improve listening, speaking, reading and writing skills

CH-The Canary(learning outcomes)

- 1) Able to know why we should be kind to all the birds and animals
- 2) Able to improve their speaking ability in term of fluency
- 3) Use of four skills ( listening, speaking, reading vand writing)
- 4) Reading for information

### कक्षा- तीसरी

### (विषयहिंदी)

पाठ 1 भोलू भुलक्कड़ :-

- (1) बच्चों में हिंदी भाषा के प्रति रुचि उत्पन्न करना।
- (2) बच्चों के पठन, वाचन, श्रवण व लेखन कौशलों का विकास।
- (3) जमीन के नीचे तथा जमीन के ऊपर उगने वाली सब्जियों के बारे में जाने में सक्षम हुए ।

पाठ 2 चतुर कौवा-

- (1) कविता के माध्यम से बच्चों में सृजनात्मकता, कल्पना शक्ति तथा लयात्मकता का विकास हुआ।
- (2) किसी भी कार्य को शांति से सोच समझकर बुद्धि का इस्तेमाल करके तथा मेहनत करके किया जाए तो व्यक्ति जरूर सफल होते हैं। इस बात को जानने में सक्षम हुए।

(3) इ, ढ वाले शब्द, समानलाय शब्द, समान अर्थ वाले शब्द तथा वाक्य रचना जैसे व्याकरण के विभिन्न पहलुओं को जानने में सक्षम हुए।

पाठ 3 हाथी और चिड़िया-

(1) कहानी के माध्यम से बच्चों में धरती को हरी-भरी बनाने के लिए हमें पेड़ लगाने चाहिए तथा हमें अपने पर्यावरण को नुकसान नहीं पहुंचाना चाहिए जैसे गुणों का विकास हुआ।

(2) बच्चों को विलोम शब्द, अनुनासिक और अनुस्वार, वाक्य रचना, वचन बदलना, चित्र पहचान तथा क्रिया शब्दों से अवगत करवाया।

पाठ 4 चींटी ने पाठ पढ़ाया- (1) बच्चों में पठन, वाचन व लेखन, श्रवण कौशल का विकास हुआ।

(2) हमें किसी को छोटा या कमजोर नहीं समझना चाहिए। बच्चे इस बात से प्रेरित हुए।

(3) बच्चों को संवाद लेखन के बारे में अवगत करवाया तथा संवाद भी लिखवाए गए।

पाठ 5 बहादुरदोस्त- (1) कहानी के माध्यम से बच्चों में मानवीय व नैतिक मूल्यों का विकास हुआ।

(2) मुसीबत आने पर हमें बुद्धि धैर्य और समझदारी से काम लेना चाहिए बच्चे इस बात को जानने में सक्षम हुए।

(3) चित्र पहचान, खाली स्थान भरना, वचन बदलना, चित्र देखकर वाक्य रचना इत्यादि के बारे में बच्चों को अवगत करवाया। और बच्चे इस कार्य को पूरा करने में सक्षम हुए।

### **CLASS--3RD (MATHEMATICS)**

CHAPTER.1:- Numbers upto 9999

Students are able to understand the following concepts ;

1. Greatest and smallest numbers up to 4 digit
2. Students are able to read and write number name of four digit
3. Students are able to write place value of given digit
4. Student are able to write expanded form and standard form of four digit number
5. Student are able to write successor and predecessor of given number
6. Students are able to arrange 4 digit numbers in ascending or descending order

CHAPTER. 2:- ADDITION

1. Students are able to arrange numbers in column and adding 4 digit number with regrouping
2. Students are able to understand the properties of addition
3. Students are able to understand and solve the word problems of addition
4. Students are able to identify keywords of addition

CHAPTER. 3:-SUBTRACTION

1. Students are now able to subtract a four digit number with regrouping.
2. Students are now able to understand how to check answer in subtraction.

3. Students are able to understand properties of addition
4. Students are able to understand and solve word problems of subtraction

## CHAPTER. 4:-MULTIPLICATION

Students are able to understand following concepts of multiplication:-

1. Multiplication of a 3 digit number by 1 digit
2. Multiplying two or three digit number by 2 digit number with regrouping
3. properties of multiplication
4. Students are able to multiply orally by the multiples of 10 ,100,1000.
5. Students are able to understand and solve the word problems of multiplication

## Class – III

### EVS

Chapter 1 My body ( Learning outcomes )

1. Students are able to know functions of all the sense organs.
2. Students are able to know take care of sense organs.

Chapter 2 Plants around us( Learning outcomes )

1. Students are able to know functions of parts of a plant.
2. Students are able to classify plants into five categories-trees ,shrubs, herbs ,climbers ,creepers

Chapter 3 LEAF( Learning outcomes )

- 1 Students are able to know different uses of leaves.
2. Students are able to identify different types of leaves.

## कक्षा तीसरी (नैतिक शिक्षा)

पाठ-1(ईश्वर महिमा)

उद्देश्य-

- \*लेखन एवं पाठन कौशल का विकास
- \*उच्चारण शुद्धता एवं स्पष्टता
- \*भाषा बोध

अधिगम बिन्दु-

- 1)छात्रों के अन्दर धार्मिक रुचि उत्पन्न करना
- 2)बच्चों को नैतिक कर्तव्यों के प्रति जागरूक करना

पाठ-3 (आर्य)

- 1)आर्य पुरुषों के गुणों से बच्चों को अवगत कराना
- 2)बच्चों के अन्दर भाईचारा, भातृ भावना का विकास
- 3)बच्चों को 'आर्य'शब्द की पूर्ण जानकारी.

**Class-4<sup>th</sup>**  
**( Learning Outcomes)**  
Subject -English

Chapter - A true friend

- 1) Able to be apologised for our bad behaviour
- 2) Able to know how to deal with friends
- 3) True meaning of sportsmanship
- 4)Recognise new words to enrich the vocabulary
- 5)Use of four skills ( listening, speaking, reading and writing)

Chapter - Mix up at birth

- 1) Able to know why power of observation is an essential skill for life
- 2) Able to heighten their awareness of correct usage of English grammar in writing as well as speaking ability
- 3) Reading for information
- 4)Able to enrich the vocabulary by recognizing new words

**कक्षाचौथी**  
**(विषय - हिंदी)**

पाठ 1 फैलती चप्पले

बच्चों ने इस पाठ में से सीखा कि जिस काम की पूरी जानकारी न हो वह काम नहीं करना चाहिए

हमें अपने दादा दादी की मदद करनी चाहिए तथा उनका कहना मानना चाहिए

इस पाठ के अभ्यास में बच्चों ने संयुक्त व्यंजन वाले शब्द बनाना सीखा। इ और ढ वाले शब्द बनाने सीखें।

पाठ 2 उल्टा पुल्टा

इस कविता के माध्यम से बच्चों ने जीवन में आई कठिनाइयों सेना घबराकर बंदर, गिरगिट, चिमटे तथा छिपकली आदि से आगे बढ़ते रहने की प्रेरणा ली क्योंकि कोशिश करने वालों की कभी हार नहीं होती।

इसके साथ बच्चों ने क्रिया शब्द, विलोम शब्द, संज्ञा शब्द तथा पर्यायवाची शब्दों की जानकारी ली ।

### पाठ 3 अनोखाढंग

इस पाठ में बच्चों ने गांधी जी के द्वारा मन्नु को दी गई समझदारी की सीख सीखी तथा जीवन में लापरवाही करना उचित बात नहीं है सीखा। गांधी जी के आदर्श सीखें कि हमें बुरा नहीं देखना चाहिए बुरा नहीं बोलना चाहिए बुरा नहीं सुनना चाहिए ।

इस पाठ के अभ्यास में बच्चों ने शब्द युग्म, अनुनासिक तथा वाक्यांशों के लिए एक शब्द लिखना सीखा। बच्चों ने इस पाठ में मुहावरों का ज्ञान भी पाया।

### पाठ 4 मित्रता

इस पाठ में बच्चों ने सच्चे मित्र के गुण तथा सच्चा मित्र कौन होता है इसके बारे में सीखा यह एक कोयल तथा हिरण की कहानी है। जिसमें कोयल ने हिरण के साथ सच्ची मित्रता निभाई । जो मुश्किल में हमारा साथ दें वही हमारा सच्चा मित्र है।

इस पाठ के अभ्यास में बच्चों ने विशेषण विशेष्य पर्यायवाची शब्द तथा वाक्य बनाना सीखा। इस अभ्यास में बच्चों ने चित्र वर्णन भी सीखा।

### पाठ 6 पहली बारिश

इस कविता के माध्यम से बच्चों ने जल के महत्व के बारे में सीखा तथा हमें अपने से बड़ों की मदद करनी चाहिए इसके बारे में भी सीखा।

बारिश कविता के अभ्यास में बच्चों ने क्रिया शब्द, संज्ञा शब्द ,पर्यायवाची शब्द, वचन बदलो , लिंग बदलो, विशेषण- विशेष्य, अनुस्वार- अनुनासिक, शब्द युग्म तथा चित्र वर्णन सीखा।

### **Class :4<sup>th</sup> ( Subject: Mathematics)**

Unit 1: Numbers up to 9,99,999;

Students will be able to ;

- i) Read and write 6-digit numbers,
- ii) Write 6-digit numbers in expanded form,
- iii) Compare the numbers ,
- iv) Understand the place value chart upto one lakh.

Unit 2: Addition and Subtraction:

Students will be able to ;

- i)Add 5-digit number and six digit numbers,
- ii) Understand the properties of addition,
- iii)Oral addition by the multiples of 10,
- iv) Solve word problems and many situations related to our daily life,
- v) Subtract 5 digit number and 6 digit numbers,
- vi) Understand properties of subtraction,
- vii) Subtract orally the multiples of10,
- viii)Word problems of subtraction related to many situations in our daily life.

### Unit 3: Multiplication

Students are able to

- i) Multiply 3 digit and 4 digit number by a 3 digit number,
- ii) Understand the properties of multiplication,
- iii) Do oral multiplication with the multiples of 10,
- iv) Solve word problems of multiplication related to many situations in our daily life.

### Unit 4: Division

- i) Able to understand and apply the relationship between dividend, divisor, quotient and remainder,
- ii) Divide and check the answers of 4 and 5 digit numbers by single digit and by 2 digit numbers,
- iii) Oral division by the multiples of 10,
- iv) Do word problems of division related to many situations in our daily life.

## **CLASS—IV**

### **( Science )**

#### Chapter 1--- My body (Learning outcomes )

1. Students are able to understand the difference between external and internal organs
2. Students are able to understand and memorize the function of each organ of digestive system
3. Student are able to draw a well labelled diagram of digestive system.

#### Chapter 2 plants (Learning outcomes )

- 1 Students are able to understand the function of an important part of plant that is root
- 2 Students are able to differentiate between taproot and fibrous root .
3. They are able to understand the function of special types of roots like breathing root or edible roots.

#### Chapter 3 flowers and fruits (Learning outcomes)

1. Students are able to know about seasonal flowers and fruits
2. Students are able to write the function of flowers and fruits.
- 3 They are able to write the uses of flowers and fruits.

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**CLASS—IV**  
**SOCIAL SCIENCE**

lesson 1 family relationship

- 1). At the end of the lesson students will be able to define the term family.
- 2) Students will be able to differentiate between joint and nuclear family
- 3) They will be able to know the reason for changing family structure system in India.
- 3) They will also understand the importance of sharing place with each other.

Lesson 2 :Sensitivity towards others

- 1). After reading the chapter students will be able to understand the problem faced by challenge children
- 2) Students will be able to understand the importance of society.
- 3) They will understand the use of sign language.
- 4) They also know golden rule of living in society.

Lesson 3 :celebrating our diversity.

- 1) By the end of the lesson students will understand the meaning of culture.
- 2) They will understand the main feature of Indian culture.
- 3) They will be able to understand the importance of different celebration like Ganesh Chaturthi Navratri and other festival.
- 4) They also know the importance of tradition and culture in the life of human being.

**कक्षा-चतुर्थ**  
**विषय-नैतिकशिक्षा।**

पाठ-एक (प्रार्थना) सस्वरगायन

उद्देश्य-

1. गायनविधिद्वारा छात्रोंमें रुचि उत्पन्न करना।
2. सभी प्राणियोंके प्रति छात्रोंमें प्रेमभाव जागृत करना।
3. छात्रोंमें अधिगमकौशलका विकास करना।
4. छात्रोंमें समाजसेवाका भाव जागृत करना

अधिगमबिन्दु-

1. छात्रोंमें नैतिकमूल्योंका विकास।
2. छात्रोंमें समस्त प्राणियोंके प्रति श्रद्धा प्रेमकी भावना।
3. छात्रोंमें धार्मिकविचारोंकी वृद्धि।

पाठदो आर्यसमाज)

अधिगमबिंदु-

1. छात्रोंको आर्यसमाजके विषयमें जानकारी।
2. देशमें फैलती हुई कुरीतियोंसे कैसे बचें तथा पाण्डोंसे देशको कैसे बचाएं।
3. जात-पातके खंडनके लिए छात्रोंको अवगत करवाना

पाठ 3 आर्यसमाजके नियम, (3से 6)

अधिगमबिंदु।

1. आर्यसमाजके नियमोंका ज्ञान।
2. नियमोंके माध्यमसे परमात्माके विभिन्न नामोंका बोध।

**Class – V**  
**( LEARNING OUTCOMES )**  
**SUBJECT – ENGLISH**

i)Chapter - Monday morning blues

Book - My English Reader

Learning outcomes :

Students will be able to ---

- ) Read effectively
- )Recognise new words and enrich their vocabulary
- )Understand the story of the lesson and comprehend it
- ) Embibe values taught through the characters
- )Analyse, interpret and evaluate the ideas given in the text and make inferences
- ) Use four language skills effectively

ii) Chapter - Nouns

Book - My English Reader

Learning outcomes :

Students will be able to ---

- )Learn the concept of nouns and its kinds through examples.
- )Differentiate different kinds of nouns
- )Solve question related to nouns.
- )Use the learnt concept confidently in real life situations.

## कक्षापांचवी

( हिंदी )

पाठ 1दिमागीलड़ाई:-बच्चोंनेइसपाठमेंसेकठिनपरिस्थितिमेंसमझदारीऔरबुद्धिमानीसेकामलेनाचाहिएसीखा।

पाठ 2लौहपुरुष:-

लौहपुरुषपाठमेंबच्चोंनेत्याग, दृढ़ता, परिश्रम, संघर्ष, सत्य और अहिंसा जैसे जीवनमूल्योंकोअपनानासीखा। इसपाठमेंसेउनमेंदेशभक्तिकीभावनाबढ़ी।

पाठ 3पेड़:-पेड़ोंकाजीवनदूसरोंकीभलाईकेलिएहोताहैहमेंभीपेड़ोंकीतरहपरोपकारीबननाचाहिए।

पाठ 5दोपहलवान : -

इसपाठमेंबच्चोंनेसीखाकिबुद्धिमानीऔरसमझदारीसेकिएगएकामसेहीजीवनमेंसफलताप्राप्तहोतीहै।

पाठ 6 नदीयहांपर : -

इसकविताकेमाध्यमसेबच्चोंनेनदीकीतरहलगातारआगेबढ़तेरहनेकेतथाजीवनमेंआईहरमुश्किलपरिस्थितिकाडटकरसामनाकरतेहुएअंतमेंअपनीमंजिलकोपानासीखा।

**बच्चोंनेभाषाअभ्यासमेंसेसंज्ञासर्वनामपर्यायवाचीशब्दअनुस्वारअनुनासिकतथाकालकेबारेमेंसमझा।**

## **Class 5<sup>th</sup>**

### **Subject Maths**

#### **1. Numbers upto 9,99,99,999**

##### **Learning Outcomes:**

- Able to read & write number name & numerals.
- Able to read & write the number system in international place value system.
- Able to know the place, place value & period in both Indian & International Place value system.

#### **2. Operation on large nos.**

##### **Learning Outcomes:**

- Able to solve daily life words problem of large number.
- Able to differentiate the word problem related to multiplication & division.

#### **3. Multiple & Factors:**

##### **Learning Outcomes:**

- Able to understand the concept of multiple.
- Able to understand the concept of factor.
- Able to find LCM & HCF.

d. Able to understand the prime and composite numbers.

**4. Decimal:**

**Learning Outcomes:**

- a. Able to understand the concept of decimal.
- b. Able to read & write numbers name & numeral of the decimal numbers.
- c. Able to understand the change of decimal into fraction number & Vice - Versa.
- d. Able to find the greater / smaller of decimal number.

**5. Addition & subtraction of decimal number.**

**Learning Outcomes:**

- a. Able to understand the addition & subtraction of decimal number.

Able to understand the words problem relate

**CLASS- V**

**Subject - SCIENCE**

Chapter 1 my body (Learning outcomes.)

1. Students are able to understand about important systems of our body like breathing system and skeletal system.
- 2 students are able to know about joints and types of joints present in our body along with their functions.
3. Students are able to know about the function of sense organs.

Chapter 2 plants ( learning outcomes .)

- 1 student are able to understand the process of photosynthesis.
2. Student are able to know about the process of vegetative reproduction in plants.
- 3 students are able to draw the diagram of seed and the process of germination along with labeling of these diagrams.
4. Students are able to know about seed dispersal and the different ways of seed dispersal.

Chapter 3 forest.(Learning outcomes)

1. Students are able to understand about the advantages of forest.
2. ways to protect forests and conserve forests. Differences between national park and sanctuary.

**CLASS- V**

**SOCIAL SCIENCE**

**Lesson 1 : importance of family**

- 1) After reading the lesson students will be able to know the importance of family in the growth of children.
- 2) They will understand About the family custom and tradition.
- 3) They will understand the value of participation in family activities.

**Lesson 2 : Human migration.**

- 1) After reading the chapter student will able to understand the meaning of migration
- 2) By the end of the chapter students will able to you know the meaning of seasonal employment ,shifting agriculture and forced migration.
- 3) By the end of chapter students was able to know the Hardships faced by migrants.

### Lesson 3 : Variation in Shelters

- 1) At the end of the chapter students will able to know the reasons for different type of houses at different places
- 2) At end they also know the responsibility of good neighbour .
- 3) They also know the golden rule for community living.

कक्षापांचवी।

विषयसंस्कृत।

उद्देश्य-

1. छात्रोंकीसंस्कृतविषयमेंरुचिउत्पन्नकरना।
2. लेखनएवंवाचनकौशलकाविकास।
3. उच्चारणशुद्धताएवंस्पष्टता।
4. भाषाबोधएवंव्याकरणशास्त्रकाज्ञान।
5. धातुएवंशब्दरूपकाज्ञान।

पाठ1 (मथुराप्रभातबेला)

अधिगमबिंदु-

1. छात्रप्रकृतिकेमुख्यतथ्योंसेअवगतहुए।
2. पशुपक्षियोंतथाजीवजन्तुओंकेसंस्कृतनामोंकापरिचय।
3. व्यावहारिकसंस्कृतशब्दावली।

पाठ2 (ममपरिवारः)

अधिगमबिंदु-

1. छात्रोंकोपुल्लिंगस्त्रीलिंगएवंनपुंसकलिंगकाज्ञान।
2. परिवारकेसदस्योंकोसंस्कृतमेंबोलनेकाज्ञान।
3. घरकीनित्यउपयोगीवस्तुओंकाबोध।

पाठ 3

अधिगमबिंदु-

1. छात्रोंकोजन्तुशालाकेविषयमेंज्ञान।
2. जीवजंतुतथापशुपक्षियोंकीसंस्कृतनामावलीकाबोध।
3. अव्ययपदकाज्ञान।

कक्षा-पांचवीं।

विषय-नैतिकशिक्षा।

पाठ 1 याचना (सस्वरगायन)

उद्देश्य-

1. पाठनएवंलेखनकौशलकाविकास।
2. उच्चारणशुद्धताएवंस्पष्टता।
3. भाषाकाबोधएवंज्ञान।

4. आर्यसमाजकेनियमोंकाज्ञान।
5. सबसेप्रीतिपूर्वएवंधर्मानुसारयथायोग्यबर्तनेकाबोधएवंज्ञान।

अधिगमबिंदु-

1. छात्रोंकोपरमात्माकीसत्ताकाबोधएवंज्ञान।
2. छात्रोंकोसदाचारीजीवनकेलिएप्रेरणा।
3. देशऔरसमाजकेप्रतिप्रेमभावना।

पाठ 2 गायत्रीमंत्रकामहत्व।

अधिगमबिंदु-

1. छात्रोंकोगायत्रीमंत्रकाज्ञान।
2. गायत्रीमंत्रकीमहिमाकाबोध।
3. गायत्रीमंत्रसेमिलनेवालेविभिन्नप्रकारकेफलकाज्ञान।

पाठ3 आर्यसमाजकेनियम (सातवेंसेदसवेंतक)

अधिगमबिंदु-

1. आर्यसमाजके 10 नियमोंकाज्ञान।
2. मनुष्यकोसभीकीउन्नतिमेंसंतुष्टहोनाचाहिएऐसीसद्भावनाछात्रोंमेंजागृतकरना।

**CLASS – V I**  
**( LEARNING OUTCOMES )**  
**SUBJECT – ENGLISH**

i) Chapter - How Daddy decided what he wanted to be

Book - English Literature

Learning outcomes :

Students will be able to ---

- ) Read effectively.
- ) Recognise new words and enrich vocabulary.
- ) Understand the story of the lesson and comprehend it.
- ) Learn different values from the characters given in the story.
- ) Analyse, interpret and evaluate the ideas given in the text and make inferences.
- ) Use four language skills effectively.

ii) Chapter - Putting it together

Book - English Practice Book

Learning outcomes :

Students will be able to ---

- )Learn the concept of different parts of speech.
- )Recognise and distinguish different parts of speech.
- )Solve questions related to different parts of speech.
- )Use the learnt concept confidently in real life situations.

## SUBJECT - HINDI

पाठ1 :साथीहाथबढ़ाना

- 1 मिलजुलकरमेहनतकरनेकीप्रेरणा
- 2 एकदूसरेकीमददकरनेकीभावना
- 3 राष्ट्रभक्तिकीभावना

पाठ2 :चिट्ठीकेअक्षर

- 1 मुश्किलघड़ीमेंहिम्मतनाहारना
- 2 सुंदरलेखनहेतुप्रेरितकरना
- 3 मेहनतसेनाघबराना

पाठ3 :बरसतेजलकेरूपअनेक

- 1 जलकेविभिन्नरूपोंकेबारेमेंजानकारीदेना
- 2 जलकेमहत्वकोसमझाना
- 3 बड़ोंकीबातोंकोध्यानसेसुननाऔरअमलकरना

पाठ4 पुरस्कार

- 1 जीवनमेंहमेशाईमानदाररहनेकेलिएप्रेरितकरना
- 2 मेहनतसेनाघबराना
- 3 मुश्किलघड़ीमेंभीजीवनमूल्योंकोनाछोड़ना

पाठ5 सीखो (कविताकेवलपढ़नेकेलिए)

- 1 सदापरिश्रमहेतुप्रेरितकरना
- 2 देशभक्तिकीभावनाविकसितकरना
- 3 अपनेदेशकेगुणोंकाबखानकरना

पाठ6 अनोखावरदान

- 1 मुश्किलसमयमेंबहादुरीसेकामलेना
- 2 दूसरोंकीमददकेलिएप्रेरितकरना

**Class - VI**  
**Subject - Mathematics.**

▪TOPIC ----- Natural Numbers And Whole Numbers.

▪LEARNING OUTCOMES

1. Students are able to know about natural numbers and whole numbers.
2. They are able to write Roman numeral for Hindu Arabic and Hindu Arabic for Roman Numeral.
3. They are able to understand properties of different mathematical operations and their use while solving mathematical problems.
4. They are able to solve numerical expressions containing brackets by adopting the rule of "BODMAS"
5. They are able to find estimation sum, difference and product of numbers.

▪TOPIC----- Factors And Multiples

▪LEARNING OUTCOMES

1. Students are able to know about twin prime numbers and coprime numbers.
2. They are able to understand divisibility Rules of different numbers and can apply these rules to check whether the number is divisible by another number without dividing the numbers.
3. They are able to find HCF and LCM by applying different methods.
4. They are able to apply their knowledge of Concept LCM and HCF in their daily life.
5. They also learned about properties of LCM and HCF.

▪TOPIC----- Basic Geometrical Concepts

▪LEARNING OUTCOMES

1. Students are able to understand various geometrical terms like point , line, line-segment and Ray.
2. They are able to differentiate between intersecting lines, parallel lines, concurrent lines, point of intersection, point of concurrence.
3. They are able to apply their knowledge about these geometrical concepts in their daily and also while solving different geometrical problems.

▪TOPIC----- Integers

▪LEARNING OUTCOMES

1. Students are able to understand the concept of positive numbers and negative numbers .
2. They are able to find the position of different positive and negative integers on number line.
3. They are able to find the sum of two or more integers on number line.
4. Students are able to add and subtract integers without number line.
5. They are able to corelate the concept of integers with their daily life while climbing up stairs or climbing down stairs also while seeing the temperature.

# CLASS VI

## SUBJECT-SCIENCE

### chapter-1

#### OUR ENVIRONMENT

Learning outcomes:-

- 1.Students are able to understand the effect of adding waste to environment.
- 2.They are able to know about ecosystems and its components.
3. How the balance of O<sub>2</sub> and CO<sub>2</sub> maintained in nature.

#### CHAPTER-2

#### FOOD

learning outcomes:-

- 1.Students are able to know the main categories of the food components.
- 2.They are able to know about the nutrients their sources and functions.
3. How we can test for the presence of nutrients in given food item through demonstration.
- 4.they are able to know about deficiency disease and their functions.

#### CHAPTER-3

#### NATURE OF MATTER

learning outcomes:-

1. Students are able to understand the concept of matter and its constitution of particles.
2. That matter exist in three physical states.
- 3.and classification of matter on the basis of different properties.

#### CHAPTER-4

#### SEPARATION OF SUBSTANCES

LEARNING OUTCOMES:-

1. Student's are able to understand what is separation and the need of separating substances.
- 2.Methods of separating the different components of mixtures.

#### CHAPTER -6

#### MEASUREMENT AND MOTION

LEARNING OUTCOMES:-

- 1.Students are able to know about measurements and the standard unit used .
2. Students are able to understand about rest and motions.
- 3.Students are able to understand different types of motions with examples.

## Class - VI

### SOCIAL SCIENCE

LESSON1 : The planet earth and the solar system( learning outcomes)

- 1) Students will be able to know the name and position of different planet in solar system
- 2) Students will be able to defined different key words used in chapter e.g heavenly bodies in universe ,Akash Ganga, constellation cluster, crescent-shape, gravitational force, spherical ,light year, solar system Galaxy Universetc
- 3) students will able to know about the unique feature of different planets like earth.
- 4) students will able to prepare the working model of solar system.

Lesson 2 representation of the earth :- ( learning outcomes)

- 1) students will be able to know about the keyword use in Lesson :-globe ,map, cartography ,direction, different types of map, Atlas ,plan.
- 2) students will able to read different types of map and sketch.
- 3) students will be able to differentiate between the globe and map.

Lesson 8 :Studying the past( learning outcomes)

- 1) students will be able to know the different keywords used in Chapter like history of prehistory, archaeologist, excavation ,inscription, epigraphy ,numismatics
- 2) students will be able to distinguish between archaeological , literary sources and historical sources.
- 3) students will able to know about the events of the past,
- 4) friends are also able to know about the coins, different temples Ashoka inscription, about SanchiStupa and role of archaeologist to know about the past.

Lesson 9 life of early man( learning outcomes)

- 1) at the end of the lesson students will be able to know about different ages.
- 2) tools used by early man
- 3) difference between three ages
- 4) invention of wheels fire etc.

Lesson 21 our community life and unity in diversity( learning outcomes)

- 1) earth end of the lesson students will able to defend community life, neighborhood.
- 2) students will able to know about the different Sanskar ,role of Family, School ,neighborhood in his progress.
- 3) students will know the reason for diversity in India.

## कक्षाछठी

### संस्कृत

उद्देश्य-

- \* लेखनएवंवाचनकौशलकाविकास
- \*उच्चारणशुद्धताएवंस्पष्टता
- \*भाषाबोधएवंव्याकरणशास्त्रकाज्ञान

पाठ -1 (पुर:पुर: प्रगच्छरे)

- 1)छात्रोंमेंएकजुटताकीभावनाकाविकास
- 2)स्वरो ,व्यंजनोकीजानकारी
- 3)अव्यय ,वर्णविन्यासकीजानकारी

पाठ-2 (ममविद्यालय)

अधिगमबिन्दु-

- 1)सर्वनामशब्दोकाज्ञान
- 2)छात्रोंकोविभक्ति ,वचन ,लिगोंकाज्ञान
- 3)किम्शब्दकेमाध्यमसेप्रश्ननिर्माणकाज्ञान

**कक्षाछठी,  
नैतिकशिक्षा**

पाठ-1 सन्ध्या

उद्देश्य-

- 1)पाठनएवंलेखनकौशलकाविकास
- 2)उच्चारणशुद्धताएवंविकास
- 3)भाषाबोध

अधिगमबिन्दु-

- 1)छात्रोकेअन्दरधार्मिकरुचिउत्पन्नकरना
- 2)बच्चोकोसन्ध्याकाअर्थ ,लाभकीजानकारी
- 3)बच्चोकेअन्दरसदाचारकीभावनाकाविकास

पाठ -5(आर्यसमाजकेनियम)

- 1)बच्चोकोआर्यसमाजकेदस

नियमोकाज्ञान

- 2)परमात्माकेनामोकाअर्थ
- 3)आदिमूलकाअर्थ

पाठ -3 (ब्रह्मयज्ञ)

- 1)बच्चोकोमन्त्रोंच्चारणकराना
- 2)सन्ध्याकीविधि ,मन्त्रोकेउद्देश्यकाज्ञान
- 3) ईश्वरभक्तिकेमहत्वकाज्ञान

**Class - 7<sup>th</sup>( LERARNING OUTCOMES )**

**SUBJECT - ENGLISH**

Ch- 1 Monkey Trouble

Learning Outcomes

Students will be able to:

- \*Comprehend the meaning of the textand main idea of the story
- \* Infer meaning of unfamiliar words in the story
- \*Read the text with proper stress, intonation and modulation
- \*Phonemic awareness
- \*Infer unstated facts
- \*Understand the consequences of keeping pesky pets in homes

\*Able to suggest suitable beginning or ending to the story and write the story in their own words

\* Write diary entry on any incident of the story

The Compound Sentences

Learning Outcomes:

Students will be able to

\*Concept of subject, predicate

\*Understand the sentence structure

\*Difference between simple and compound sentences

\*Concept of linkers

\*type of linker to be used in compound sentences

\*Concept of clauses

\*Difference between clause and a sentence

\*Use of punctuation marks in sentences

\*Able to write paragraphs, Articles, diary entries etc. without any grammatical error.

### कक्षा- सातवीं

#### (विषयहिंदी)

पाठ 1 बारहमासा- (1) बच्चोंमेंहिंदीभाषाकेप्रतिरुचिउत्पन्नहुई।

(2) पठन, वाचन, श्रवण, लेखनकौशलकाविकास।

(3) विद्यार्थियोंकोदेसीमहीनोंकेनामोंसेअवगतकराया।

(4) बच्चोंकोसंयुक्तव्यंजनएवंउच्चारणसेअवगतकरवाया।

पाठ 2 नाटकमेंनाटक-

(1) बच्चोंमेंहोशियारी, समझदारी, बहादुरी, जैसेमानवीयमूल्योंकाविकास।

(2)

हमें घबराकर क्रोध से कि सी मुश्किल परिस्थितिका सामना नहीं करना चाहिए। बल्कि शांत होकर उस मुश्किल को दूर करना चाहिए।

(3) व्याकरण के विभिन्न पहलुओं जैसे संज्ञा, सर्वनाम व अनुस्वार, अनुनासिक शब्दों से अवगत किया।

पाठ 3 निर्मला, सांप और सयाल-

(1) बच्चे संज्ञा शब्द को समझने में सक्षम हुए।

(2) बच्चों में बहादुरी, साहस, हिम्मत तथा आत्मविश्वास जैसे गुणों का विकास हुआ।

(3) बच्चों ने सच्चे मित्र के महत्व को समझा।

पाठ 4 बातूनी-

(1) इस कहानी के माध्यम से बच्चों ने नाप तोल कर बोलने की शिक्षा ली।

(2) बच्चे बातचीत की कला को समझने में सक्षम हुए।

(3) उपसर्ग व प्रत्यय के बारे में जानने में सक्षम हुए।

पाठ 5 राजू का सपना-

(1) बच्चों में हिंदी भाषा के प्रति रुचि उत्पन्न हुई।

(2) बच्चों में पेड़-पौधे प्रकृति तथा पर्यावरण के प्रति जागरूक हुए।

(3) बच्चों को अपना घर, स्कूल, पड़ोस व देश साफ सुथरा रखने के लिए प्रेरित किया।

पाठ 6 समय-

(1) बच्चे समय के महत्व के बारे में जानने में सक्षम हुए।

(2) समय पर काम करने से लाभ होता है। बच्चे इस बात को अच्छे से समझ पाए।

(3) बच्चों को विसर्ग चिह्न के बारे में अवगत करवाया।

**Class - 7th**  
**Subject- Mathematics**

Chapter -1 (Rational numbers)

Students are able to-

- Define rational numbers
- Comparison between natural Numbers ,whole Numbers, Integers, Fractions and Rational numbers.
- Properties of rational numbers.
- Standard value of rational number.
- Absolute value of rational numbers.
- Representation of rational number on number line.
- Comparing rational numbers.

Chapter-2 ( operations on rational number)

Students are able to:-

- Add, subtract, multiply and divide the rational number.
- Describe the properties of rational numbers. like- commutative property, associative property.
- Existence of Identity element and Inverse in case of addition and multiplication.
- Use of distributive property.
- Reciprocal of rational numbers.

Chapter-3 ( Rational numbers as decimal)

Students are able to-

- Define decimal numbers.
- Conversion of rational numbers into decimals by using long division method.
- Define terminating and non terminating decimal expansions.
- Addition subtraction -multiplication and division of decimal numbers.

Chapter-4 ( exponents and powers)

Students are able to:-

- Define the exponent and base of exponential number.
- To express the exponent of rational number.
- Reciprocal of rational number with positive integral exponent.
- Use of laws of exponents.
- Standard form of rational numbers.

Chapter-8 ( triangle and its properties)

Students are able to:-

- Define the triangle and its types.
- isosceles triangle property and its use.
- Exterior angle property of triangle.
- Angle sum property of triangle.
- Pythagoras theorem and its use.
- Median and centroid of a triangle.
- Altitude and orthocentre of a triangle.
- Perpendicular bisector of sides of a triangle and circumcentre.
- Angle bisector of angles of a triangle and incentre.

**Class - VII**  
**SUBJECT - SCIENCE**

Chapter 1 Nutrition in plants.

Learning outcomes:1) students will be know about modes or nutrition in plants 2) importance of photosynthesis 3)How nutrients replenish in the soil.

Chapter 2 Nutrition in animals

Learning outcomes

- 1) Students will able to describe steps involved in animal nutrition
- 2)They Will be able to draw the diagrams of amoeba, human digestive system and Ruminants digestive system.

Chapter 3Chemical substances and processes.

Learning outcomes

- 1) Students will understand about atoms, molecules, elements and compounds.
- 2)They Will be able to write chemical symbols and chemical formulas.Able to balance simple chemical reactions.

Chapter 4 Acid, Bases and salts

Learning outcomes

- 1) Students will be know about acidic and basic substances, their uses and chemical formula.
- 2)They Will know about indicators and neutralisation reactions.

Chapter 5 Heat

Learning outcomes

- 1) Students will be able to know heat as energy,they can differentiate between Heat and temperature.
- 2) Know about conduction, Convection and radiation.

Chapter 8 Transportation in plants and animals.

Learning outcomes

- 1) Students are able to understand about the circulatory system in humans which consist of blood, blood vessels and heart.
- 2) Excretory system in Humans.
- 3) Transport of substances in plants.

**Class 7th**  
**SUBJECT - SOCIAL SCIENCE**

lesson 1 components of environment

1)at the end of the lesson students will able to name the major components of environment , compare and contrast between the physical and biological features of environment.

2)At the end of Lesson Students is also know about the importance of environment and unique feature of earth.

3) At the end of the chapter students will able to to differentiate between the different layers of atmosphere.

## Lesson 2

The Earth and the changes on it.

- 1) Students will be able to understand the key terms used in the chapter weathering, erosion, gradation, deposition, V and I shaped valleys, delta, tributaries. Etc
- 2) At the end of the chapter students are able to know the different factors responsible for the changes on earth surface and inside the earth.
- 3) Students will be able to name the different types of soil with their different features.
- 4) Students will be able to locate the areas of major soil types on the map of India.

## Lesson 9 mediaeval period.

- 1) At the end of the chapter students will be able to know about the main sources of information of the medieval period: important writers, foreign Travellers and their contribution.
- 2) Students will be able to know about the major development and achievement of the medieval period.

## Lesson 10 the rise of small Kingdom in North India.

- 1) Students will know about the different powers between 750 to 1000 CE.
- 2) At the end of the chapter students are able to know the reason for political instability in the Northern India.
- 3) Students are also able to understand the working of different Kings, of different empires and their main administrative features.

## Lesson 3 democracy and equality

- 1) At the end of the lesson students will be able to define the term democracy and its features.
- 2) Students will be able to define the terms like reservation, adult franchise, function of opposition party, and know about the rights given by the constitution.

## Lesson 19 our state government.

- 1) Students will be able to know the functioning and working of the state government.
- 2) Students will be able to define the words unicameral, bicameral, Ordinance, Bill, etc.
- 3) Students will be able to know the power of chief minister, governor of state and council of Ministers of state etc.

कक्षासातवीं।

विषयसंस्कृत।

उद्देश्य-

1. छात्रोंकीसंस्कृतविषयमेंरुचिउत्पादन।
2. संस्कृतविषयकाज्ञानवर्धन।
3. व्याकरणशास्त्रकाज्ञान।
4. धातुशब्दरूपोंकाविशेषज्ञान।
5. कारक, संधि, समास, उपपदविभक्तियोंकाविशेषज्ञान।

पाठ 1 बुद्धि: एव अस्माकं बलम्।

अधिगमबिंदु-

1. बुद्धिकेद्वाराबलवानसेजीतनेकाकौशल।

2. बुद्धिकेद्वारासंपूर्णसंसारकोजीतनेकीक्षमता।

3. धातुरूपकाज्ञान।

पाठ 2 अभ्यासएवपरमोगुरुः।

अधिगमबिंदु-

1. अभ्यासहीपरमगुरुकैसेहैंइसकाबोध।

2. अभ्यासकेद्वाराकठिनकार्यकोसरलकरनेकीक्षमताउत्पादन।

3. उपसर्गएवंअव्ययपदोंकाज्ञान।

पाठ 3 उपकारकाःवृक्षाः

अधिगमबिंदु-

1. वृक्षोंकामहत्वएवंज्ञान।

2. कत्वाप्रत्ययकाज्ञान

कक्षा-सातवीं।

विषय-नैतिकशिक्षा।

उद्देश्य-

1. छात्रोंमेंनैतिकमूल्योंकाविकासएवंसद्विचार।

2. धार्मिकविचारोंकीवृद्धि।

3. आर्यसमाजकेनियमोंकापालन।

4. समाजएवंदेशसेवाकाभाव।

5. समस्तप्राणियोंकेप्रतिप्रेमकीभावनाएवंसद्विचार।

पाठ1 ईशस्तुति

अधिगमबिंदु-

1. जगतमेंईश्वरकीसत्ताकाबोधएवंज्ञान।

2. परमात्माकेप्रतिअटूटश्रद्धाएवंभाव।

पाठ2 धर्मकेलक्षण।

अधिगमबिंदु-

1. धर्मके 10 लक्षणोंकाबोधएवंज्ञान।

2. नैतिकमूल्योंकीजीवनमेंउपादेयता।

3. धर्मआचरणएवंसद्व्यवहार।

पाठ3 आर्यसमाजकेनियम।

अधिगमबिंदु-

1. आर्यसमाजकेनियमोंकाज्ञान।

2. वेदोंकासामान्यज्ञान।

## CLASS : 8<sup>TH</sup>

### **Science**

#### Chapter 1 cell

##### Learning outcomes

1. Students will be unable to know that all living organisms are made up of cell
2. They will be able to know about various cell organelles and their functions.
3. They can differentiate between Plant and Animal cell.

#### Chapter 2 microorganisms

##### Learning outcomes

Students will be able to

1. Describe how Yeast is used in baking and fermenting.
2. To differentiate whether microbes are friend or foe.
3. How microbes like algal is a source of food as well as oxygen.

#### Chapter 4 force and Pressure

##### Learning objectives

Students will be able to

1. Understand that force are due to extraction.
2. About different effects of force on the state,, speed direction of an object.

#### Chapter 5 friction

##### Learning outcomes

Students will be able to learn about

1. Friction is the force of two surfaces rubbing against one another.
2. They should be able to describe causes of friction and factor affecting friction as well as types of friction.

#### Chapter 6 source of energy

##### Learning outcomes

1. Student should be able to describe about the formation of fossil fuels like coal and petroleum and natural gas.
2. How the can be extracted and their different uses.

#### Chapter 7 Combustion

##### Learning outcomes

Student should be able to describe:

1. Burning of combustion.
2. Combustible and noncombustible.
3. Types and conditions necessary for the combustion.
4. Fire fighting.

#### Chapter 8 conservation of plants and animals

##### Learning outcomes

1. Students will be unable to understand importance of biodiversity.
2. Flora and fauna endemic species and protected areas.
3. Conservation of biodiversity.

#### Chapter 18 earthquakes

##### Learning objectives

1. I will be unable to understand about the natural phenomena earthquake.
2. Causes of earthquake and some important terms related with earthquake.

### **MATHS**

1) squares and square roots and cubes and cube roots

A) the students are able to know the concept of how to find squares and cubes of a given number .

- B) students are able to find the square root and cube root of given number using prime factorisation method.
- C) students are able to understand how to find a square root using long division method .

## 2) MENSURATION.

- A) students are able to identify 2 - D and 3-D shapes.
- B) students are able to find the area of a trapezium .
- C) students are able to find the surface area of cube , cuboid and cylinder .
- D) students are able to find the volume of cube , cuboid and cylinder.

## 3) ALGEBRAIC IDENTITIES.

- A) students are able to find the special products of different algebraic expression using identities.
- B) They are able to factorise the following algebraic expression using different identities .

## 4) PARALLEL LINES.

- A) students are able to understand the concept of parallel lines , intersecting lines , transversal line , pairs of angles such as ( Corresponding angles , alternate interior angles and exterior angles etc) .
- B) students are able to divide a line segment into equal parts .

## 5) INTRODUCTION OF GRAPH

- A) they understand the concept of dependent and independent variable .
- B) they are able to understand how to plot points on a graph papers.

## विषय-नैतिक शिक्षा।

उद्देश्य-

- छात्रों में नैतिक मूल्यों का विकास।
- ओउम् ध्वज के प्रति श्रद्धा तथा सम्मान का भाव विकसित करना।
- छात्रों में सम्पूर्ण पृथ्वी को आर्य बनाने का भाव जागृत करना।
- आर्य समाज के नियमों का पालन करना।
- देश एवं राष्ट्रभक्ति की भावना जागृत करना।

पाठ 1 ओउम् ध्वज (सस्वर गायन)

अधिगम बिंदु-

- राष्ट्र एवं देश के निर्माण में सहयोग की भावना।
- ओउम् ध्वज के प्रति अटूट श्रद्धा।
- सद्बिचार एवं सद्भावना।

पाठ 2 (ईश्वर का सर्वश्रेष्ठ नाम)

अधिगम बिंदु-

- छात्रों को ॐ की महिमा का बोध एवं ज्ञान।
- ओम जगत का आधार है इसमें छात्रों का बोध एवं सम्यक् ज्ञान।
- उपनिषदों तथा अन्य तथ्यों से ओउम् का बोध।

पाठ 3 (आत्मबोध)

अधिगम बिंदु-

- अनादि नाथ का विशिष्ट ज्ञान।
- वेदों का सामान्य ज्ञान।
- मुक्ति पाने का साधन तथा ओउम् का विवेचन।
- अध्यात्म जीवन का बोध।

## **ENGLISH**

### **Reader Ch-1 Changing Times**

#### **Learning Outcomes**

Students will be able to:

- \*understand the main idea and details of the story.
- \*Infer the meaning of difficult words and phrases used in the story
- \*learn the importance of moral values
- \* understand the parents/ grand parents
- \*distinguish desirable and undesirable traits in one's behavior
- \*avoid bad company and understand its consequences
- \*able to correlate the story with their actual life
- \*able to write Article story or report on the topic ' Generation Gap'.

#### **ch- 1 Three Questions**

#### **Learning Outcomes**

Students will be able to

- \*Infer the main idea and details of the story
- \*Infer the meaning of the unfamiliar word in the story
- \* Understand the importance of present time in one's life
- \*able to read with proper stress and intonation
- \* Phonemic awareness
- \*able to write Article/ diary entry on the 'Importance of Present Time' or about any incident in the story.

## **HINDI**

Lesson 1 हम पंछी उन्मुक्त गगन के

- 1 पक्षियों के प्रति दया का भाव रखना
- 2 किसी की स्वतंत्रता को न छीनना
- 3 पक्षियों को पिंजरे में कैद ना करने के लिए प्रेरित करना

Lesson 2 असल धन

- 1 ईमानदारी सर्वोत्तम नीति का ज्ञान देना
- 2 किसी भी परिस्थिति में ईमानदारी का दामन ना छोड़ना
- 3 मेहनत और बुद्धि से काम करना

Lesson 3 अच्छे पड़ोसी के गुण

- 1 पड़ोसियों के साथ अच्छे व्यवहार हेतु प्रेरित करना
- 2 हमेशा उनकी मदद के लिए प्रेरित करना
- 3 पड़ोसियों के प्रति ईर्ष्या की भावना न रखना

Lesson 4 दोपहरी(deleted)

- 1 भीषण गर्मी की दोपहरी का चित्र प्रस्तुत करना
- 2 उस भीषण गर्मी के प्रभाव को प्राणियों पर दर्शाना
- 3 आम आदमी की दुर्दशा को व्यक्त करना

Lesson 5 आकाश को 7 सीढ़ियां( केवल पढ़ने के लिए)

- 1 भविष्य में आने वाली परिस्थितियों से अवगत कराना
- 2 संयम एवं धैर्य हेतु प्रेरित करना

### 3 कठिन परिश्रम हेतु प्रेरित करना

F A2 Syllabus---

Lesson 6 आश्रम के अतिथि और संस्मरण

- 1 गांधी जी के जीवन से अवगत कराना
- 2 उनके द्वारा किए गए श्रम एवं संघर्षों के बारे में जानकारी देना
- 3 सत्य एवं देशभक्ति की भावना हेतु प्रेरित करना

Lesson 7 अन्याय के खिलाफ लड़ाई

- 1 देशभक्ति के महत्व को समझाना
- 2 मिलजुल कर मुश्किलों का सामना करना
- 3 अपने अधिकारों एवं कर्तव्यों से अवगत कराना

Lesson 8 दोहे(deleted)

Lesson 9 जब भोलाराम ने पंप लगाया

- 1 देश में फैले भ्रष्टाचार एवं रिश्वतखोरी से अवगत कराना
- 2 भविष्य में छात्रों को स्वच्छ छवि एवं ईमानदारी से काम करने के लिए प्रेरित
- 3 हमेशा देश के हित में काम करने के लिए प्रेरित करना।

## **SOCIAL SCIENCE**

### **Unit 1 resource and development**

#### **Geography (resource and development)**

- 1) understand the value of resources and the need for their judicious utilization and conservation.
- 2) students are able to understand the factors of utilization of resources.
- 3) understand the concept of the develop countries and developing countries.
- 4) understand the concept of sustainable development and conversation.

#### **Chapter (land soil and water)**

- 1) analysis uneven distribution of natural and human made resources on the Earth.
- 2) describe causes of forest fire Landslide.
- 3) Justified judicious use of natural resources such as soil, water, Forest to maintain development in all areas.

History chapter modern period

- 1) understanding distinguish the modern. From the medieval and the ancient. Through the uses of sources monuments books and newspaper used for various reason of Indian sub continent and Broad development.
- 2) understand different events took place in the 20th century in India.
- 3) to know the importance of old buildings, artifacts, internet, administration reports of India and different british documents.

#### **Our constitution**

- 1) understand the process of Constitution making.
- 2) understand representative democracy wire competitive party politics
- 3) recognize Constitution as a dynamic and living document.

#### **Fundamental rights and duties**

- 1) recognize the need for right in one's life.
- 2) create awareness regarding the process of safeguarding rights
- 3) identify and be able to fundamentals given by the Indian constitution to it's citizens.
- 4) Students know their fundamental duties and directive principles of state policy.

5) to understand the meaning of secularism, significance in Indian constitution.

### **SANSKRIT**

विषय-संस्कृत।

उद्देश्य-

1. छात्रों की संस्कृत विषय में रुचि उत्पादन।
2. संस्कृत विषय का ज्ञान वर्धन।
3. व्याकरण शास्त्र का ज्ञान।
4. धातु शब्द रूप का विशेष ज्ञान।
5. कारक, संधि, समास तथा उपपद विभक्तियों का विशेष ज्ञान।

पाठ 1 सुवचनानि।

अधिगम बिंदु-

1. श्लोकों का गायन विधि से उच्चारण।
2. सत्संगति का ज्ञान।
3. सत्संगति का महत्व एवं उपादेयता।

पाठ 2 वसुधैव कुटुम्बकम्

अधिगम बिंदु-

1. छात्रों में पारिवारिक भावना जागृत करना।
2. मित्रों तथा साथियों के सहयोग की भावना जागृत करना।
3. कत्वा प्रत्यय का बोध

पाठ 3 अहं नदी अस्मि।

अधिगम बिंदु-

1. भारत की नदियों का ज्ञान।
2. नदियों को स्वच्छ एवं सुंदर रखने का ज्ञान।
3. नदियों एवं जल स्रोतों को प्रदूषण से बचाने की प्रेरणा।
4. नदियों का हमारे जीवन में महत्व।
5. कारक ज्ञान।

CLASS - IX

### **HINDI**

सीखने के प्रतिफल

गद्य खंड

पाठ - दो बैलों की कथा -

- 1) एकता का महत्व
- 2) नारी जाति का सम्मान
- 3) अपने मालिक के प्रति प्रेम
- 4) अन्याय के विरुद्ध आवाज़ उठाना ।

2) पाठ- लहासा की ओर

- 1) तिब्बती समाज की भौगोलिक , धार्मिक खेती की जानकारी
- 2) कानून व्यवस्था की जानकारी

- 3) बौद्ध भिक्षुओं की जानकारी
  - 4) बौद्ध धर्म की जानकारी।
- 3) पाठ- सांवले सपनों की याद-
    - 1) सालिम अली का जीवन परिचय
    - 2) पक्षियों का जीवन में महत्व
    - 3) प्रकृति का जीवन में महत्व एवं प्रेम ।

#### काव्य खंड

- 1) कबीर दास जी की साखियां -
  - 1) जाती पाती के भेदभाव को समाप्त करना
  - 2) धर्म के भेदभाव की समाप्ति
  - 3) मानवीय गुणों के महत्व को समझाना
  - 4) अपने ज्ञान को बढ़ाना।
- 2) वाख -
  - 1) जीवन की नश्वरता का परिचय
  - 2) आत्मा अनुभूति का अर्थ
  - 3) सत्कर्म और सभ्यता का अर्थ
  - 4) बाहरी आडंबर से नहीं बल्कि भक्ति से ईश्वर की प्राप्ति करना
- 3) कैदी और कोकिला-
  - 1) शासन के काले कारनामों का वर्णन
  - 2) सिपाहियों के अत्याचारों का वर्णन
  - 3) सकारात्मकता का विकास
  - 4) देश प्रेम की भावना।
- 4) बच्चे काम पर जा रहे हैं-
  - 1) बाल मजदूरी के प्रति संवेदनशीलता
  - 2) शिक्षा का महत्व
  - 3) सबके लिए समान

अवसरों पर चर्चा ।

पुस्तिका  
(कृतिका)

पाठ- मेरे संग की औरतें -

- 1) जीवन में स्वतंत्र सोच का महत्व
- 2) शिक्षा का महत्व
- 3) लीक से हटकर चलने वालों की जानकारी
- 4) डराने, धमकाने व दबाव डालना से किसी को सही राह पर लाया नहीं जा सकता।

## **PHYSICS:**

### **Chapter 1 motion**

#### **Learning outcomes**

1. Enable the students to understand the concept of motion and rest acceleration.
2. Enable the students to understand the distance time graph , velocity time graph
3. 20 by the students to understand the three equation of motion.

### **Chapter 2 Force and laws of motion**

#### **Learning objectives**

1. The students to understand the concept of force and types of force.
2. To enable the students to understand the laws of motion first second and third. Also applications of Newton's first second and third law of motion.

#### **Enrichment activity**

Write three three applications of Newton's first second and third law of motion.

### **Chapter 3 Gravitation**

1. To enable the students to understand the gravitational force, law of gravitation.
- 2 To enable the students to understand the difference between universal gravitational constant and acceleration due to gravity.
3. To enable the students to understand the mass and weight. Difference between mass and weight.

## **BIOLOGY**

### **Chapter 5- The fundamental unit of life**

### **Chapter 6 - Tissues**

### **Chapter 8 - Why do we fall ill**

#### **Learning outcomes :-**

- students has learn about how the body of the unicellular or multicellular organism made up of
- The know about the structure of cell and its components and how the aggregate to form different types of tissues
- About the health and diseases in human communities
- About various infectious and non-infectious diseases and how to deal with them.

## **CHEMISTRY**

### **Learning outcomes**

Is matter around us pure

1. Students are unable to understand pure substance and mixture
2. They are unable to understand how to separate different mixture, they learn physical method of separation by doing activity by themselves like centrifugation, sedimentation etc
3. Students are unable to understand distillation and fractional distillation

### **STRUCTURE OF ATOM**

1. Students are able to understand discovery of electron and proton
2. They come to know about the different structure of atom given by different scientist
3. they are able to write atomic symbol and their configuration upto atomic no. 20
4. They are able to understand the difference between isotope and isobar.

## **ENGLISH**

Chapter: My childhood

- 1) Enhancement in vocabulary
- 2) Students became able to analyse theme and subtheme
- 3) Enhancement in critical thinking.

Chapter: Packing

- 1) Improvement in reading and writing skill
- 2) Student's application skill got improved.

## **SOCIAL SCIENCE**

Chapter (french revolutio)

- 1) establishment off secular and Democratic Republic that become increasingly authoritarian and militaristic.
- 2) Rachel 2:30 changes based on liberalism and other Enlightenment principles.
- 3) understand the main event of the French Revolution 1789 and are significance in the ship in European culture from Enlightenment to remanticism.
- 4) Pamela is better names of people involved the different types of ideas that inspired the revolution the weather forces that shaped it.

Chapter story of village Palampur

1) familiarising the students with some basic, concept related to production.

- 2) the changes that occurred due to the Green Revolution in India.
- 3) land distribution pattern in Indian Villages sustainability off land cropping seasons in India.

Civics chapter what is democracy in why democracy

- 1) develop conceptual skills of defining democracy.
- 2) understand how different historical processes and horses have promoter democracy.
- 3) developer historical sense of the choice and nature of democracy in India.

Civics chapter constitutional design

- 1) understand the process of Constitution making.
- 2) develop respect for the Constitution and appreciation for constitutional values.
- 3) hey cook nice Constitution as a dynamic and living document.

Geography (india size and location)

- 1) identify the location of India in the Indians of continent.
- 2) understand the major landform pictures and the underlined geological structures their association with various rocks and minerals as well as nature topsoil types.
- 3) identify the different elements of map.
- 4) students will understand the Regional diversity of India with regard to language, food, close etc.

## **MATHS**

### **Chapter 1 number system**

#### **Learning outcomes**

Students are able to understand about

- a. Difference between rational number and irrational number.
- b. Decimal expansion of rational number:- terminating and non terminating but repeating.
- c. Decimal expansion of irrational number:- non terminating non repeating.
- d. Location of irrational numbers on a number line.
- e. Laws of exponents for real number.

### **Chapter 2 polynomials**

#### **Learning objectives**

Students are able to understand about

- a. Polynomial in one variable
- b. Zeros of a polynomial
- c. Remainder and factor theorem
- d. Factorization of polynomial
- e. Algebraic identities.

### **Chapter 3 Coordinate Geometry**

Students are able to understand about

- a. Cartesian plane.
- b. Plotting a point in the plane if its coordinates are given
- c. Four coordinates how to plot and the coordinates in four quadrants and on x axis and y axis.

### **Chapter 4 linear equations in two variables**

#### **Learning outcomes**

Students are able to understand about

- a. Standard form of Linear equation
- b. Solution of linear equation
- c. Graph Of linear equation in two variables.
- d. Equations of line parallel to x axis and y axis

### **Chapter 6 lines and angles**

#### **Learning objectives**

Students are able to understand about

- a. Definitions of basic terms eg; line, line segment, ray, acute angle obtuse angle complementary and supplementary angles etc.
- b. Linear pair of angles
- c. Parallel line and Transversal
- d. Angle sum property of a triangle
- e. Lines which are parallel to given line are parallel to each other

### **Chapter 7 Triangles**

#### **Learning objectives**

Students are able to understand about

- a. Congruence of triangles
- b. Criteria for congruence ie, SSS, SAS, ASA, RHS , AAS
- c. The sum based on these criterions

### **Chapter 12 Heron's formula**

Area of a triangle by Heron's formula.

### **Chapter 14 statistics**

- a. Data , collection of data
- b. Primary and secondary data

- C. Presentation of data as frequency distribution table
- d. Graphical representation of data
  - a. Bar graph
  - b . Histogram
  - C. Frequency polygon
- e. Class size , class mark , width , range

## **Class 10<sup>th</sup>**

### **MATHS**

#### **Chapter -1 real numbers**

Learning outcomes

Students are able to understand about

- a. Euclid's division Lemma
- b. Fundamental theorem of arithmetic.
- c. To find LCM and HCF by prime factorization method.
- d. Revisiting irrational numbers.
- e. Revisiting rational numbers and their decimal expansions.

#### **Chapter 2 polynomials**

Learning objective

- a. Definition of polynomials,, linear constant quadratic, cubic polynomials , zeros of a polynomial
- b. Geometrical meaning of the zeros of a polynomial.
- c. Relationship between zeros and coefficients of a polynomial.
- d. Division algorithm for polynomials.

#### **Chapter 3 Pair of linear equations in two variables**

- a. Standard form of pair of linear equations .
- b. Solution of linear equations by
  - \* Elimination method
  - \* Substitution method
  - \*Cross multiplication method
- C. Equations reducible to a pair of linear equations in two variable
- d. Graphical method to solve linear equations
- e. Method to find whether linear equations is
  - \* Consistent
  - \* Inconsistent
  - \*Dependent consistent
- f. Word problems

#### **Chapter 5 Arithmetic progression**

- a. Definition of term, arithmetic progression A. P. Common difference, first term.
- b. nth term of an A. P.  
 $a_n = a + (n - 1) d$
- c. Sum of first n terms of an A. P.
- d. Word problems related to nth term of an A. P.

#### **Chapter 6 triangles**

Students are able to understand about

- a. Difference between congruent and similar triangles.
- b. Criterion used for similar triangles.ie. SSS., SAS, ASA, RHS
- c. Similarity of triangles
- d. Thales theorem and some based on theorem
- e. Pythagoras theorem and sum based on theorems

## **Chapter 8 introduction to trigonometry**

Trigonometric ratios

b. Trigonometric ratios of some specific angles.

C. Trigonometric ratios for complementary angles

d. Trigonometric identities

## **Chapter 4 quadratic equation**

Standard form of quadratic equation

Solution of a quadratic equation by factorisation

Quadratic formulas

Nature of roots

\* Root exist if  $D > 0$  (real , different)

\* Roots exist if  $D = 0$  (real , equal)

\* Routes doesn't exist if  $D < 0$

Word problems

## **SOCIAL SCIENCE**

Ch-1 The rise of nationalism in Europe

Learning objective

1. Enable the learners to identify and comprehend the nationalism developed along with the

formation of nation states in Europe

2 .To understand the majors project of regional European integration

3. To identify the political cause that lead to thinker and political actors to think in term of

framework of nationalism

4 . Understand emergence of nationalism in 19th century and political and mental change that are brought in Europe

5 . Analyse the diverse process through which the nation states formed

Ch-2 Resource and development

Learning Objectives

1 understand the value of resource

2 to know the need for their judicious utilization and conservation

3 define and identify a resource and can make proper plan to use it wisely

Ch -3 Agriculture

Learning Objectives

1 Explain the importance of agriculture in national economy.

2 Identify various type of farming and discuss the various farming method

3 Various government policies for institutional as well as technological reforms since independence

Ch - 4 Power sharing

Learning Objectives

1 familiarize with centrality of power sharing in a democracy

2 understand the working of spatial and social power sharing mechanism

3 to understand the decentralization of power

4 student will able to appreciate the importance of power sharing in democracy

## Ch-5 Federalism

### Learning Objectives

1. Analyse federal provision and institution
2. Explain decentralisation in rural and urban areas
3. Appreciate respect the power sharing process in India
- 4 understand the nature of federalism and its various types
- 5 learn about the structure of state and local government
- 6 develop knowledge of the historical procession of federalism in India

## Ch- 6 Development

### Learning Objectives

1. familiarize with the concept of microeconomics
2. understand the rational for overall human development in our country
3. understand the importance of quality of life and sustainable development.

## **SCIENCE**

### **BIOLOGY**

Chapter 6 - Life processes

Chapter 8 -How do organism reproduce

#### **Learning outcomes:-**

- Student has learn about the type of system in our body which perform different function.
- They learn about the types of reproductions what type of reproduction is in unicellular and in multicellular.
- Asexual is how different from sexual and which part of the living organism ( in plants as well as in animals) perform asexual of sexual reproduction.  
Various part of plant (especially flower)

### **PHYSICS**

#### **Chapter 1 light reflection and refraction**

##### **Learning outcomes of chapter**

1. Students are unable to understand concept of reflection of light laws of reflection rules for formation of image by concave and convex mirror.
2. Students are also in able to understand the refraction of light images formed of lenses.
3. Students are unable to understand the sign conventions of mirror and lens to solve the numerical purposes.

#### **Chapter 2 Electricity**

##### **Learning outcomes of chapter**

1. To enable the students to understand the concept of electric current, potential and electric circuit.
2. To enable the students to understand resistance registers in series, registers in parallel combination.
3. Enable the students to understand the Ohm's law.
4. Enable the students through lab activity to perform Ohm's law, verification of Ohm's Law.
5. Enable the students to understand the concept of heating effect of electric current.

##### **Enrichment activity**

1. To enable the students to understand the heating effect, applications of heating effect of electric current.

Example: Electric heater, electric iron electric toaster.

Whenever the students to understand concept of electric energy and electric power.

### **CHEMISTRY**

## **Chemical reaction and equation**

- i. Students are able to understand the difference between chemical changes and physical changes.
- ii. Learn about different types of chemical reaction with their example and they are able to identify different types of chemical reaction.
- iii. They are enable to understand Redox reaction and also understand new concept that is Electronic concept of redox reaction.
- iv. They are not familiar corrosion and rancidity and explain method of prevention them.

### **Acid , bases and salt.**

- i. Students learn about acids and bases, they learn about strong acid and strong bases, how does salt formation takes place.
- ii. Learn about chemical reactions of acid with metals metallic carbonated.
- iii. Students are able to understand how does acid and bases conduct electricity.
- iv. They come to know about different Salts and their preparation and uses like baking soda, washing soda etc.

### **Metals and nonmetals**

- i. Students are able to differentiate between metal and nonmetal on the basis of their physical properties.
- ii. They come to know about the chemical properties of acid and bases and also able to differentiate between them on the basis of chemical properties.
- iii. They are able to write the chemical equation for the reaction like reaction of metal with water, reaction of metals with acids and reaction of non metals with acids etc.
- iv. Students are now able to explain the ionic bonding in metal and nonmetal and also are able to explain the electron dot structure for different compounds.

## **ENGLISH**

Chapter: Hundreds Dresses Part1 and2

- 1) Creativity and imagination got increased
- 2) Improvement in sentence structure.

## **HINDI**

सीखने के प्रतिफल

गद्य खंड

# नेताजी का चश्मा:

1. स्वार्थ से ऊपर देश प्रेम को महत्व देना
2. विकलांगों का उपहास न करना
3. देश के प्रति समर्पण शीलता की भावना उजागर करना

# बालगोबिन भगत

1. अनुशासन व नियमों का पालन करना
2. ग्रामीण संस्कृति में ऋतुओं का महत्व
3. आत्मा की नश्वरता व कबीर जी की शिक्षाओं का पालन करना

## # लखनवी अंदाज़

1. नई कहानी में भाव प्रधानता
2. दिखावे से दूर रहना और झूठी शान दिखाना व्यर्थ है
3. वास्तविक जीवन शैली पर बल
4. उर्दू शब्दों का ज्ञान

## # मानवीय करुणा की दिव्य चमक

1. हिंदी महत्व पर प्रकाश
2. व्यक्ति के गुणों उसे सर्वोच्च बनाते हैं केवल मात्र शिक्षा नहीं
3. सभी धर्मों को एक समान देखना
4. देश के प्रति समर्पण शीलता

## काव्य खंड

### #सूरदास

1. ब्रजभाषा के सुंदर प्रयोग में लयात्मकता
2. श्री कृष्ण के प्रति अनन्य प्रेम
3. श्री कृष्ण के माध्यम से आज की चालबाज़ी राजनीति पर प्रहार
4. अलंकार का सुंदर प्रयोग

### # तुलसीदास (राम लक्ष्मण परशुराम संवाद )

1. अपने से बड़ों का सम्मान करना
2. सेवाभाव की प्रेरणा
3. साहस शक्ति के साथ विनम्रता का महत्व
4. श्री राम के समान आदर्श स्थापित करना
5. काम, क्रोध, लोभ और अहंकार विकारों का नाश

### # उत्साह, अट नहीं रही

1. अपने अंदर छिपे क्रांति के स्वर को उजागर करना
2. सुख- दुख में विचलित ना होना
3. निराश लोगों के अंदर अपने जोशीले भावों से नव चेतना पैदा करना

### #कन्यादान

1. नारी सशक्तिकरण की प्रेरणा
2. स्त्री के प्रति सामाजिक बुराइयों के प्रति कटाक्ष
3. 'कन्यादान' शब्द पर तार्किकता
4. अन्याय के विरुद्ध संघर्ष करना

### पुस्तिका कृतिका

### # माता का आँचल

1. ग्रामीण परिवेश में बच्चों का विकास
2. जीवन में मित्रों व खेलों का महत्व
3. अपने माता-पिता का सम्मान करना व काम में हाथ बटाना
4. माता-पिता की दी गई शिक्षा के अनुरूप चलना

#जॉर्ज पंचम की नाक

1. देश के भ्रष्ट राजनेताओं पर कटाक्ष
2. चापलूसों और घूसखोरों की रणनीति व कार्यनीति से अवगत करवाना
3. विदेशी आकर्षणों से दूर रहना
4. स्वदेशी वस्तुओं का प्रयोग करना

## Class –11th LEARNING OUTCOMES

### ENGLISH

Chapter:Landscape of soul

- 1) Enhancement in critical thinking
- 2) Students got enable to analyse theme and subtheme

Chapter :Ailing Planet

- 1) Students became able to apply knowledge in day to day life.
- 2) Comprehension level got increased

### Physics

- 1) Students should be familiar with the terms physical quantities ,derived quantities ,fundamental quantities dimensions, errors and types of error.
- 2) Students are able to solve the different type of numericals based on the concept of dimensional analysis.
- 3) Student should be familiar with the different terms related to the vectors, different laws of vectors and able to apply these laws to solve the various problem.
- 4) Students able to understand the concept of projectile, and use this concept to solve the various problems.
- 5) Students should be familiar with the concept of law of conservation of linear momentum ,equilibrium of a system ,concurrent forces, friction and the type of friction.

### CHEMISTRY

#### LEARNING OUTCOMES

- Unit --1(some basic concepts of chemistry)
- Learning outcomes
- Students are able to understand
  - 1) mole concept, limiting reagent, concentration parameters and empirical formula
  - 2) precision and accuracy
  - 3) numericals based on different topics

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- Unit 2(structure of atom)
- Students are able to understand
- 1) different models of atom
- 2) different concepts like heisenberg uncertainty principle, de-broglie wavelength concept
- 3) electronic configuration UPTU atomic number 30
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- Unit 3 (classification of elements and periodicity in properties)
- Students are able to understand
- 1) different types of radii like covalent radii, metallic radii, vanderwaall radius
- 2) modern periodic table
- 3) different properties of elements like atomic radius, ionic radius, ionization energy, electron gain enthalpy ,electro negativity.
- Unit 4 (chemical bonding and molecular structure)
- Students are able to understand
- 1) ionic bond and factors which facilitate the formation of ionic bond
- 2) covalent bond and concept of VSEPR theory
- 3) valence bond theory

## **Biology**

Unit -1 Diversity in the living world

Chapter 1 the living world

Chapter 2 biological classification

Chapter 3 plant kingdom

Unit -3 Cell structure and function

Chapter 1- cell

Chapter 2- biomolecules

Chapter 3- Cell cycle and division

Learning outcomes:-

- Student has to learn about the various life activity and role of identification of living organism
- They know about how to classification of category begins and on which type of system today's classification is based
- Features of kingdom Monera upto the kingdom and Animalia.
- Details study about all the kingdoms up to kingdom plantae (Algae, bryophytes, pteridophytes and gymnosperms)
- Functions performed by cell and its components
- About the role of chromosome

- Various biomolecules (nucleic acid proteins carbohydrates) and their function in our body.

## **Maths**

### **Sets**

#### **Learning Outcome**

At the end of topic, students will be able to

- I. Understand sets.
- II. Presentation of sets in roaster and set builder form.
- III. Types of sets.
- IV. Subsets and operation on two sets.
- V. Complement of a set.
- VI. Venn diagram.

### **Trigonometry**

#### **Learning Outcome**

At the end of topic, students will be able to

- i. Able to convert an angle from degree measure into radian measure and radian measure into degree measure.
- ii. Understand about domain and range of a trigonometry function when one is given.
- iii. Able to use formulas to prove the trigonometry identities.
- iv. Able to find principal and general solution of a trigonometre functions.

## **Linear Inequalities :**

### **Learning Outcomes:**

At the end students will able to

- I. Find solution of linear inequalities and to present their solution on number line.
- II. Able to frame linear inequations from a given word problems.
- III. Able to draw graph of linear in equation.
- IV. Find common area between given linear inequalities.

## **Permutation and Combinations**

### **Learning Outcomes:**

At the end students will able to find

- I. No. of arrangements of given digits or letters of words.
- Ii. Factorial of a natural number.
- Iii. No. of selection of r objects at of n objects.
- Iv. To find rank of a word

## **Physical education**

Chapter 1 changing Trends and career in physical education

Chapter 2 Olympic value education

Chapter 3 physical fitness Wellness and lifestyle

Chapter 4 physical education and sports for cwsn

Chapter 5 yoga

Chapter 6 physical activity and leadership training

## Learning outcomes

- . Students have knowledge about the physical education , career, national and international competition
- . Students have sufficient knowledge about Olympic
- . Have complete knowledge about how physical fitness and Wellness can be improved
- . What tournaments are held for the handicapped peoples
- . Sufficient knowledge of how disease can be overcome through yoga
- . Deeply knowledge about the leadership qualities and adventure sports

## Class—XII

### ENGLISH

#### The Last Lesson

#### Learning Outcomes

1. Able to read articles and stories with proper intonations and pause
2. Infers the meaning of unfamiliar words by reading them in context.
3. Refers dictionary, thesaurus and encyclopedia while reading and writing.
4. Arouse feeling of patriotism and respect for mother tongue
5. Able to discuss with confidence with appropriate
6. Vocabulary among the peer group.
7. Use meaningful and grammatically correct sentences.

#### My Mother at sixty- six (Kamla Das)

1. Recites poem with appropriate, pause, and intonation.
2. infers meaning of unfamiliar words.
3. Able to write poems, stories and appreciating literary device.

### PHYSICS

#### LEARNING OUTCOMES

- 1) Students should be familiar with the Coulomb's law and they should be able to calculate the forces between static charges.
- 2) They should understand the concept of electric field and they should be able to calculate the electric fields for given charge distributions.

- 3) Students should understand the physical information contained in Gauss's law and they should be able to apply this law to the calculation of field distribution in system with specified symmetry.
- 4) Students should be familiar with the concept of a capacitor and its capacitance.
- 5) Students should be familiar with the definition of electric current and electric current density.
- 6) Students should understand the physical origin of the Khirchoff's two circuit laws and be able to use them in solving circuit network problems.
- 7) Students should be familiar with the Biot-savort law and be able to calculate the magnetic field and magnetic forces in the flowing current.
- 8) Students should be familiar with the Lorentz force formula and they should be able to use it in calculating the force on a charged particle in an electric and magnetic fields.
- 9) Students should understand how amperes law arises as a consequence of the biot savart law.
- 10) Students should be able to understand how the magnetic field is generated in case of solenoid and in case of Toroid.

## CHEMISTRY

### LEARNING OUTCOMES

#### Unit 1(solutions)

- Students are able to understand
  - 1) different concentration terms and numericals based on it
  - 2) types of solution and concept of osmosis
  - 3) colligative properties and numericals based on these properties

#### Unit 2(electrochemistry)

- Students are able to understand
  - 1) law of electrolysis
  - 2) numericals based on electrolysis
  - 3) concept of electrochemical cell and basic terms related to it

#### Unit 3 (chemical kinetics)

- students are able to understand
  - 1) types of reactions
  - 2) rate law
  - 3) order of reactions
  - 4) effect of catalyst
  - 5) numericals based on different concepts

#### Unit 4(halo alkanes and halo arenes)

- Students are able to understand
  - 1) preparations of haloalkanes and haloarenes
  - 2) chemical properties of haloalkanes and haloarenes like nikala  $SN^1$  and  $SN^2$  reactions, elimination reactions, electrophilic reactions

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## **BIOLOGY**

Unit 1 - Reproductions in organisms

Chapter -1 sexual reproduction in flowering plants

Chapter- 2 human reproduction

Chapter-3 reproductive health

Unit - 2 genetics and evolution

Chapter 1 principle of inheritance and variations

Chapter two molecular basis of inheritance

Unit - 3 biology and human welfare

Chapter -1 human health and disease

Learning outcomes:-

- students have knowledge about the detail concept of reproduction in flowering plants and human
- About pre and post fertilization
- various reproductive health problems and how to deal with them by discussing with parents or peer group
- About detailed account of mendel's law and various syndrome
- How DNA replicate and furthermore the process of translation and transcription
- About common infectious or communicable diseases and their examples in detail (also the importance of prophylaxis of these disease).

## **MATHS:**

### **Probability**

#### **Learning outcomes**

At the end of topic students will understand

- i. Conditional probability of an event.
- ii. Independent events.
- iii. Multiplication rule of probability.
- iv. To find the probability of an event by using Base Theorem.
- v. Understand about Random variable.
- vi. To find probability distribution of a random variable.

### **Linear programming**

#### **Learning Outcomes**

At the end of topic students will able to:

1. Solve linear inequations graphically to form linear equalities.
2. To solve it graphically to find maximum or minimum value of a function.

## **Appreciation of Derivations**

### **Learning Outcomes**

At the end of topic students will understand.

- i. Increasing and decreasing function.
- ii. Find the interval in which a function is increasing or decreasing.
- iii. Slope of tangent and variable.
- iv. Equation of tangent and normal.
- v. Maxima and minima (i) Absolute maxima and absolute minima (ii) Local maxima and local minima.

## **Determinants**

### **Learning Outcomes**

At the end students will able to understand

1. Value of a determinant of order  $2 \times 2$  and  $3 \times 3$
2. Area of triangle by using determinants.
3. Minors and cofactors of a determinant.
4. Adjoint and inverse of a matrix.
5. Solution of a system of linear equations by using inverse of a matrix.

### **Matrix:**

### **Learning Outcomes**

At the end students will able to understand about

- ii. Order of a matrix.
- iii. Types of matrix.
- iv. Operation on matrix.
- v. Symmetric and skew symmetric.

## **Class 12th**

Physical education

Chapter 1 planning in sports

Chapter 2 sports and nutrition

Chapter 3 yoga and lifestyle

Chapter 4 physical education and sports for CWSN

Chapter 5th children and women in sports

Chapter 6 test and measurement in sports

### **Learning outcomes**

- . Students have complete knowledge of planning in sports.
- . Students have knowledge about the how tournaments are conducted
- . Have sufficient knowledge from diet
- . Sufficient knowledge of how diseases is can be overcome through yoga
- . Students know about disability and disorder
- . Knowledge about motor development and postural deformities.
- . Students have knowledge about the motor fitness, Harvard step test and rikli and Jones test