

# BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT

## Syllabus Plan for the Session 2023-24

### CLASS – IX

#### SUBJECT- ENGLISH LANGUAGE AND LITERATURE (Code 184)

##### LEARNING OBJECTIVES-

1. To enable the reader to communicate effectively in real life situations.
2. To develop and integrate the use of language skills i.e. listening, speaking and writing.
3. To develop interest in and appreciation of literature.
4. To revise and reinforce structures already learnt.
5. To enhance the learner's creativity and self-monitoring skill as an important part of personal development and inculcation of values.

##### RECOMMENDED BOOKS - Published by NCERT, New Delhi

- BEEHIVE – Textbook for class IX
- MOMENTS – Textbook for class IX
- Supplementary Reader for Class IX (WORDS AND EXPRESSIONS-I)

MONTH	NO. OF WORKING DAYS	COURSE CONTENT
April	20	<b>BEEHIVE(Prose):</b> The Fun they had, The sound of music <b>Poetry:</b> The Road not taken, The Wind <b>MOMENTS:</b> The lost child, The adventures of Toto <b>GRAMMAR:</b> Rearranging of sentences <b>WRITING:</b> Article
June	12	<b>BEEHIVE(Prose):</b> The Little Girl <b>Poetry:</b> Rain on the roof <b>MOMENTS:</b> Iswaran ,The story teller <b>GRAMMAR:</b> Error Correction/Omission, Modals <b>WRITING:</b> Diary writing/Paragraph Writing
July	23	<b>BEEHIVE(Prose):</b> A truly beautiful mind, The snake and the mirror <b>Poetry:</b> The lake isle of Innisfree, A legend of the northland <b>MOMENTS:</b> In the kingdom of fools, The happy prince <b>GRAMMAR:</b> Gap Filling Exercises, Subject verb Agreement <b>WRITING:</b> Story Writing
August	23	<b>BEEHIVE(Prose):</b> My childhood <b>Poetry:</b> No men are foreign <b>MOMENTS:</b> The last leaf <b>GRAMMAR:</b> Sentence transformation, Tenses <b>WRITING:</b> Article

<b>September</b>	21	<b>BEEHIVE(Prose):</b> Revision <b>Poetry:</b> Revision <b>MOMENTS:</b> Revision <b>GRAMMAR:</b> Revision <b>WRITING:</b> Revision
<b>October</b>	18	<b>BEEHIVE(Prose):</b> Reach for the top <b>Poetry:</b> On killing a tree <b>MOMENTS:</b> A house is not a home <b>GRAMMAR:</b> Error Correction/Omission, Reported Speech <b>WRITING:</b> Diary writing/Paragraph Writing
<b>November</b>	18	<b>BEEHIVE(Prose):</b> Kathmandu <b>MOMENTS:</b> The beggar <b>GRAMMAR:</b> Gap Filling Exercises <b>WRITING:</b> Story Writing
<b>December</b>	18	<b>BEEHIVE(Prose):</b> If I were you <b>Poetry:</b> A slumber did my spirit seal <b>GRAMMAR:</b> Sentence transformation <b>WRITING:</b> Article
<b>January</b>	23	<b>BEEHIVE(Prose):</b> Revision <b>Poetry:</b> Revision <b>MOMENTS:</b> Revision <b>GRAMMAR:</b> Revision <b>WRITING:</b> Revision
<b>February</b>	23	REVISION
<b>SYLLABUS</b>	PT-I	The Fun they had, The sound of music, The Road not taken, The Wind The lost child, The adventures of Toto, Rearranging of sentences , Article/Paragraph writing, Gap filling, Editing
	Half Yearly Exam	All topics covered till August
	PT-II	Reach for the top, On killing a tree, A house is not a home Kathmandu, <b>The</b> beggar, <b>Error</b> Correction/Omission, Reported Diary writing/Paragraph Writing, Gap Filling Exercises, Sentence transformation
	Annual Exam	Complete Syllabus
	Subject Enrichment (Total marks-5) - <i>(activities with marks)</i>	ASL- Speaking and listening activities
	Multiple Assessment (Total marks-5) <i>(activities with marks)</i>	<ul style="list-style-type: none"> <li>• Ek Bharat Shreshth Bharat Activity- Blog Writing on Ek Bharat Shreshtha Bharat. (2.5M)</li> <li>• Skit- In The Kingdom of Fools(2.5M)</li> </ul>
	Portfolio (Total marks-5)	Based on Class Observation, Notebook ,Participation in Subject Related activities

## विषय हिंदी

### शिक्षण उद्देश्य:-

1. विद्यार्थियों में स्वतंत्र चिंतन की क्षमता तथा कल्पना शक्ति का विकास करना।
2. गद्य एवं पद्य की विभिन्न विधाओं से भाषिक प्रयोगों तथा क्रियाओं द्वारा भाषा संबंधी विशेषताओं का विकास करना।
3. संवाद, विज्ञापन, अनुच्छेद, पत्रलेखन एवं नारा लेखन के द्वारा अभिव्यक्ति को प्रभावी बनाने में सहयोग करना।
4. व्याकरणिक नियमों और प्रयोगों में होने वाली त्रुटियों को सुधारना।
5. विद्यार्थियों में नैतिक मूल्यों का ज्ञान संवर्धन करना।

### पाठ्य पुस्तकें :

स्पर्श-भाग 1, संचयन भाग-1, व्याकरण कुंज-भाग-1

MONTH	NO. OF WORKING DAYS	COURSE CONTENT
April	20	गद्यखंड-2. दुख का अधिकार पद्यखंड-1. रैदास संचयन-1. गिल्लू व्याकरण-1. शब्द और पद रचनाखंड- अनौपचारिक पत्र
June	12	गद्यखंड-3. एवरेस्ट मेरी शिखर यात्रा पद्यखंड-2. रहीम व्याकरण-2. अनुस्वार एवं अनुनासिक रचनाखंड- अनुच्छेद लेखन
July	23	गद्यखंड-4. तुम कब जाओगे अतिथि पद्यखंड-3. गीत-अगीत संचयन-2. स्मृति व्याकरण-3. उपसर्ग एवं प्रत्यय, 4.विराम चिह्न रचनाखंड-संवाद
August	23	गद्यखंड-5.वैज्ञानिक... चंद्रशेखर वेंकट रामन् पद्यखंड-4. अग्निपथ व्याकरण-4. अर्थ के आधार पर वाक्य भेद, 5. स्वर संधि रचनाखंड- चित्र वर्णन
September	21	द्वितीय आवधिक परीक्षा हेतु पुनरावृत्ति एवं परीक्षा
October	18	गद्यखंड-6. कीचड़ का काव्य पद्यखंड-6. नए इलाके में संचयन-3. कल्लूकुम्हार की उनाकोटि व्याकरण-पुनरावृत्ति रचनाखंड- पुनरावृत्ति
November	18	गद्यखंड-8. शुक्रतारे के समान पद्यखंड-6. खुशबू रचते हैं हाथ.... संचयन-4. मेरा छोटा-सा निजि पुस्तकालय व्याकरण- पुनरावृत्ति रचनाखंड- पुनरावृत्ति
December	18	पुनरावृत्ति
January	23	पुनरावृत्ति

February	23	पुनरावृत्ति एवं वार्षिक परीक्षा
SYLLABUS	PT-I	गद्यखंड-2. दुख का अधिकार, 3. एवरेस्ट मेरी शिखर यात्रा पद्यखंड-1. रैदास, 2. रहीम के दोहे संचयन-1. गिल्लू व्याकरण-1. शब्द और पद, 2. अनुस्वार एवं अनुनासिक, 3. उपसर्ग एवं प्रत्यय, 4. अर्थ के आधार पर वाक्य भेद रचनाखंड-अनुच्छेद, अनौपचारिक पत्र, संवाद एवं चित्र वर्णन
	Half Yearly Exam	गद्यखंड-2. दुख का अधिकार, 3. एवरेस्ट मेरी शिखर यात्रा, 4. तुम कब जाओगे अतिथि पद्यखंड-1. रैदास, 2. रहीम के दोहे, 3. गीत-अगीत संचयन-1. गिल्लू, 2. स्मृति व्याकरण-1. शब्द और पद, 2. अनुस्वार एवं अनुनासिक, 3. उपसर्ग एवं प्रत्यय, 4. अर्थ के आधार पर वाक्य भेद, 5. स्वर संधि, 6. विराम चिह्न रचनाखंड-अनुच्छेद, अनौपचारिक पत्र, संवाद एवं चित्र वर्णन
	PT-II	2. दुख का अधिकार, 3. एवरेस्ट मेरी शिखर यात्रा, 4. तुम कब जाओगे अतिथि, 5. वैज्ञानिक... चंद्रशेखर वेंकट रामन्, 6. कीचड़ का काव्य पद्यखंड-1. रैदास, 2. रहीम के दोहे, 3. गीत-अगीत, 4. अग्निपथ संचयन-3. कल्लू कुम्हार की उनाकोटि, 4. मेरा छोटा-सा निजि पुस्तकालय व्याकरण-1. शब्द और पद, 2. अनुस्वार एवं अनुनासिक, 3. उपसर्ग एवं प्रत्यय, 4. अर्थ के आधार पर वाक्य भेद, 5. स्वर संधि, 6. विराम चिह्न रचनाखंड-अनुच्छेद, अनौपचारिक पत्र, संवाद एवं चित्र वर्णन
	Annual Exam	गद्यखंड-2. दुख का अधिकार, 3. एवरेस्ट मेरी शिखर यात्रा, 4. तुम कब जाओगे अतिथि, 5. वैज्ञानिक... चंद्रशेखर वेंकट रामन्, 6. कीचड़ का काव्य, 8. शुकतारे के समान पद्यखंड-1. रैदास, 2. रहीम के दोहे, 3. गीत-अगीत, 6. अग्निपथ, 7. नए इलाके में एवं खुशबू रचते हैं हाथ.... संचयन-1. गिल्लू, 2. स्मृति, 3. कल्लू कुम्हार की उनाकोटि, 4. मेरा छोटा-सा निजि पुस्तकालय व्याकरण-1. शब्द और पद, 2. अनुस्वार एवं अनुनासिक, 3. उपसर्ग एवं प्रत्यय, 4. अर्थ के आधार पर वाक्य भेद, 5. स्वर संधि, 6. विराम चिह्न रचनाखंड-अनुच्छेद, अनौपचारिक पत्र, संवाद एवं चित्र वर्णन
	Subject Enrichment (Total marks-5) -(activities with marks)	विषयसंवर्धन गतिविधियाँ- 1. वाद-विवाद ( विषय-समसामयिक प्रकरण ) 2.5 अंक 2. प्रस्तुतिकरण ( भारत के विभिन्न राज्यों के ऊपर ) 2.5 अंक
Multiple Assessment (Total marks-5) (activities with marks)	1. कक्षा सहभागिता- 2 अंक 2. बहुवैकल्पिक कक्षा-परीक्षाएँ-3 अंक	
Portfolio (Total marks-5)	1. रखरखाव-1 2. समयानुसार कार्यपूर्ति-2 3. शुद्ध लेखन-2	

## विषय : (संस्कृत सम्प्रेणात्मकम्)

अधिगम उद्देश्य—

1. संस्कृत भाषा के माध्यम से छात्रों को भारतीय संस्कृति की सम्यक् जानकारी प्राप्त करने के योग्य बनाना।
2. संस्कृत भाषा के शुद्ध उच्चारण तथा शुद्ध लेखन पर बल देना।
3. मानवीय मूल्य, पारस्परिक सद्भावना, सहयोग तथा अनुशासन आदि भावनाओं का विकास करना।

अनुशासित पाठ्य पुस्तक – मणिका भाग 1 , सरस्वती संस्कृत व्याकरण – 9, टुगेदर विद संस्कृत – 9

माह	कार्य दिवस	विषय-सूची
अप्रैल	20	<b>मणिका</b> – अविवेकः परमापदां पदम्, पाथेयम्। <b>व्याकरण</b> – उच्चारणस्थानानि, <b>स्वर संधि</b> – दीर्घः, गुणः, वृद्धिः, यण्, अयादि, <b>व्यंजन संधि</b> – वर्गीय प्रथमवर्णस्य तृतीयवर्ण परिवर्तनम्, 'म' स्थाने अनुस्वारः, <b>विसर्ग संधि</b> – उत्त्वम्, शत्वम्, षत्वम्, सत्वम् । <b>रचना</b> – अपठित गद्यांश, पत्र लेखनम्।
जून	12	<b>मणिका</b> – विजयतां स्वदेशः। <b>व्याकरण</b> – शब्दरूपाणि– अजन्ताः <b>पुल्लिङ्ग</b> – अकारान्त– बालकवत्, इकारान्त कविवत्, उकारान्त साधुवत्, हलन्त भवत् । <b>स्त्रीलिङ्ग</b> – आकारान्त लतावत्, ईकारान्त– नदीवत्, <b>नपुंसकलिङ्ग</b> – अकारान्त– फलवत्। <b>सर्वनाम</b> – अस्मद्, युष्मद्, तत्, किम् (त्रिषु लिङ्गेषु) <b>रचना</b> – अपठित गद्यांश, चित्र वर्णनम्, संवादपूर्तिः।
जुलाई	23	<b>मणिका</b> – विद्यया भान्ति सद्गुणाः, कर्मणा याति संसिद्धिम्। <b>व्याकरण</b> – धातुरुपाणि – परस्मैपदिनः– भू, नम्, गम्, अस्, प्रच्छ्, कृ, ज्ञा, क्षाल्, नी (पंचलकारेषु) आत्मपदिनः– सेव, लम् रुच् (लट्-लृटलकारयोः) <b>रचना</b> – अपठित गद्यांश, चित्र वर्णनम्, कथापूर्तिः।
अगस्त	23	<b>मणिका</b> – तत् त्वम् असि, तरवे नमोऽस्तु। <b>व्याकरण</b> – उपपदविभक्तयः – <b>द्वितीया</b> – समया/निकषा, प्रति, विना, परितः, उभयतः। <b>तृतीया</b> – सह/समम्/सार्धम्, विना, अलम्, हीन। <b>चतुर्थी</b> – रुच्, दा(यच्छ्), नमः, कुप्, अलम् (सामर्थ्ये)। <b>पंचमी</b> – विना, बहिः, भी, रक्ष् <b>षष्ठी</b> – उपरि, अधः, पुरतः, पृष्ठतः, वामतः, दक्षिणतः। <b>सप्तमी</b> – स्निह्, विश्वस्, निपुण, कुशल। <b>रचना</b> – अपठित गद्यांश, पत्र लेखनम्।
सितम्बर	21	<b>मणिका</b> – पुनरावृत्ति <b>व्याकरण</b> – पुनरावृत्ति। <b>रचना</b> – अपठित गद्यांशः, संवाद/कथा पूर्तिः।
अक्टूबर	18	<b>मणिका</b> – न धर्मवृद्धेषु वयः समीक्ष्यते, कवयामि वयामि यामि। <b>व्याकरण</b> – प्रत्ययाः– क्त्वा, तुमुन्, ल्यप्, शतृ। <b>रचना</b> – अपठित गद्यांशः, चित्र वर्णनम्।
नवम्बर	18	<b>मणिका</b> – भारतीयं विज्ञानम्। (केवलं आंतरिक मूल्यांकनाय) <b>व्याकरण</b> – अव्ययानि– <b>स्थानबोधकानि</b> – अत्र, तत्र, अन्यत्र, सर्वत्र, यत्र, एकत्र, उभयत्र, <b>कालबोधकानि</b> – यदा, तदा, सर्वदा, एकदा, पुरा, अधुना, अद्य, श्वः, ह्यः, <b>प्रश्नबोधकानि</b> – किम्, कुत्र, कति, कदा, कुतः, कथम्, किमर्थम्, <b>अन्यानि</b> – च, अपि, यदि, तर्हि, यथा, तथा, सम्यक्, एव।। <b>रचना</b> – अपठित गद्यांशः, पत्र लेखनम्, संवादः/कथापूर्तिः, चित्र वर्णनम्।
दिसम्बर	18	<b>मणिका</b> – भारतेनास्ति मे जीवनं जीवनम्। (केवलं आंतरिक मूल्यांकनाय) <b>व्याकरण</b> – संख्याः 1-100 (1-4 केवलं प्रथमा विभक्तौ) <b>रचना</b> – अपठित गद्यांशः, पत्र लेखनम्, संवादः/कथापूर्तिः, चित्र वर्णनम्।
जनवरी	23	पुनरावृत्ति
फरवरी	23	वार्षिकी परीक्षा
मार्च	22	-----
मूल्यांकन	प्रथम आवधिक मूल्यांकन	<b>मणिका</b> – अविवेकः परमापदां पदम्, पाथेयम्, विजयतां स्वदेशः। <b>व्याकरण</b> – उच्चारणस्थान, संधि, शब्दरूपाणि – अजन्ताः, धातुरुपाणि – परस्मैपदे <b>रचना</b> – अपठित गद्यांशः, पत्र पूर्ति, चित्र वर्णनम्/संकेताधारित अनुच्छेद लेखनम्, संवादपूर्तिः।
	अर्धवार्षिकी परीक्षा	<b>मणिका</b> – अविवेकः परमापदां पदम् से कर्मणा याति संसिद्धिम् तक। <b>व्याकरण</b> – उच्चारणस्थान, संधि प्रकरणम्, शब्दरूपाणि, धातुरुपाणि, उपपद विभक्तयः। <b>रचना</b> – अपठित गद्यांशः, पत्र पूर्ति, चित्र वर्णनम्/संकेताधारित अनुच्छेद लेखनम्, संवादः/कथापूर्तिः।
	द्वितीय आवधिक मूल्यांकन	<b>मणिका</b> – अविवेकः परमापदां पदम् से तरवे नमोऽस्तु तक। <b>व्याकरण</b> – उच्चारणस्थानम्, संधि, शब्दरूपाणि, धातुरुपाणि, कारक उपपद विभक्तयः, प्रत्ययाः, अव्ययाः, संख्याः। <b>रचना</b> – अपठित गद्यांशः, पत्र पूर्ति, चित्र वर्णनम्/संकेताधारित अनुच्छेद लेखनम्, संवादः/कथापूर्तिः। क्रियाकलाप – श्लोकगायनम्।
	वार्षिक परीक्षा	<b>मणिका</b> – अविवेकः परमापदां पदम् से कवयामि वयामि यामि तक। <b>व्याकरण</b> – उच्चारणस्थानम्, संधि प्रकरणम्, शब्दरूपाणि, धातुरुपाणि, कारक उपपद विभक्तयः प्रत्ययाः, अव्ययाः, संख्याः।

		रचना – अपठित गद्यांशः, पत्र पूर्ति, चित्र वर्णनम्/संकेताधारित अनुच्छेद लेखनम्, संवादः/कथापूर्तिः।
	भाषा संवर्धन क्रियाकलाप (5 अंक)	श्रवण कौशल – संस्कृत भाषायाम् श्लोक प्रस्तुति लेखन कौशल – संस्कृत भाषायाम् सूचित लेखनम्।
	बहुविध मूल्यांकन (5 अंक)	– कक्षायाम् पाठितस्य पाठस्य लघुमूल्यांकनम्। – प्रश्नमंचस्य आयोजनम्।
	निवेशसूचिका (पोर्टफोलियो) 5 अंक	कक्षा प्रेक्षणम्, अभ्यासपुस्तिका संधारणम् विषय आधारित क्रियाकलापेषु सक्रिय सहभागितायाम् आधारितम्।

## SUBJECT: MATHEMATICS

### LEARNING OBJECTIVES :

1. To develop child's aptitude towards learning of Mathematics.
2. To develop the understanding of Mathematical skills of the child.
3. To create the ability to solve sums mentally in the child.
4. To help the child in dealing with the practical aspects of life.
5. To integrate/correlate the subject with the real life situations.

### RECOMMENDED BOOKS :

Mathematics Text book(NCERT)

Together with mathematics, R.D. SHARMA

MONTH	NO. OF WORKING DAYS	COURSE CONTENT
April	19	1. Number System 2. Polynomials
June	12	3. Coordinate Geometry
July	23	4. Linear Equation in Two Variables 5. Introduction to Euclid's Geometry
August	23	6. Lines and Angles 7. Triangles
September	21	Recapitulation for Half-Yearly Examination
October	18	8. Quadrilaterals
November	18	9. Circles 10. Heron's Formula
December	18	11. Surface Area and Volume
January	23	12. Statistics
February	23	Recapitulation for Annual Examination
SYLLABUS	PT - I	Ch 1 to Ch 3
	Half-Yearly Exam	Ch 1 to Ch 7
	PT - II	Ch 8 to Ch 10

	Annual Exam	Ch 1 to Ch 12
	Subject Enrichment (Total marks-5) - (activities with marks)	Lab Activities based on all chapters
	Multiple Assessment (Total marks-5) (activities with marks)	Quiz, Verbal Test, MCQ Test etc.
	Portfolio (Total marks-5)	Based on Class Observation, Notebook ,Participation in Subject Related activities

### ***Subject- Physics***

#### **LEARNING OBJECTIVES**

- 1.To enhance scientific approach and attitude in students.
- 2.To grasp the concepts and ideas related to science.

#### **RECOMMENDED BOOKS -1.NCERT physics**

- 2.NCERT Exemplar Physics

MONTH	WORKING DAYS	COURSE CONTENT
April	20	Chapter-1 Motion
June	12	Chapter-1 MOTION
JULY	23	Chapter-2 FORCE AND LAWS OF MOTION
AUGUST	23	Chapter-2
SEPTEMBER	21	Chapter-3GRAVITATION
OCTOBER	18	Chapter-4 WORK AND ENERGY
NOVEMBER	18	Chapter-4 WORK AND ENERGY
DECEMBER	18	Chapter-5 SOUND
JANUARY	23	Revision
FEBRUARY	23	Exam
SYLLABUS FOR EXAMS	PT-1	Chapter1
	Half Yearly Exam	Chapter1-2
	PT2	Chapter 3
	Annual Exam	Chapter 1 to 4
	Subject Enrichment (Total marks-5) - (activities with marks)	Activity :Determination of density of solid, Activity: Pressure Exerted by a Solid Iron Cuboid on Sand.
	Multiple Assessment (Total	Practice question given in NCERT Exemplar

	<b>marks-5) (activities with marks)</b>	
	<b>Portfolio (Total marks-5)</b>	Based on Class Observation, Notebook ,Participation in Subject Related activities

### **Subject-Chemistry**

#### **LEARNING OBJECTIVES**

- 1.To enhance scientific approach and attitude in students.
- 2.To grasp the concepts and ideas related to science.

#### **RECOMMENDED BOOKS -1.NCERT Chemistry**

2.NCERT Exemplar Chemistry

<b>MONTH</b>	<b>WORKING DAYS</b>	<b>COURSE CONTENT</b>
<b>April</b>	<b>20</b>	<b>Chapter-1 Matter in our surroundings</b>
<b>June</b>	<b>12</b>	<b>Chapter-1 Matter in our surroundings</b>
<b>JULY</b>	<b>23</b>	<b>Chapter-2 Is matter around us pure</b>
<b>AUGUST</b>	<b>23</b>	<b>Chapter-2 Is matter around us pure</b>
<b>SEPTEMBER</b>	<b>21</b>	<b>Chapter-3 Atoms and molecules</b>
<b>OCTOBER</b>	<b>18</b>	<b>Chapter-3 atoms and molecules</b>
<b>NOVEMBER</b>	<b>18</b>	<b>Chapter-4 Structure of atom</b>
<b>DECEMBER</b>	<b>18</b>	<b>Chapter-4 Structure of atom</b>
<b>JANUARY</b>	<b>23</b>	<b>Revision</b>
<b>FEBRUARY</b>	<b>23</b>	<b>Exam</b>
<b>SYLLABUS FOR EXAMS</b>	<b>PT-1</b>	Chapter1
	<b>Half Yearly Exam</b>	Chapter1-2
	<b>PT2</b>	Chapter 3
	<b>Annual Exam</b>	Chapter 1 to 4
	<b>Subject Enrichment (Total marks-5) - (activities with marks)</b>	Activity- To show properties of matter,Activity to form homogeneous and heterogeneous mixture,activity to distinguish between solution suspension and colloids,different methods of purification of mixture.
	<b>Multiple Assessment (Total marks-5) (activities with marks)</b>	Practice question given in NCERT Exemplar
	<b>Portfolio (Total marks-5)</b>	Based on Class Observation, Notebook ,Participation in Subject Related activities

### **Subject-Biology**

#### **LEARNING OBJECTIVES**



- 1.To enhance scientific approach and attitude in students.
- 2.To grasp the concepts and ideas related to science.

**RECOMMENDED BOOKS** -1.NCERT Science  
2.NCERT Exemplar Biology

MONTH	WORKING DAYS	COURSE CONTENT
April	20	Theme: The World of the Living Unit II: Organization in the Living World Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number.
June	12	Revision of the Organization of the living world
JULY	23	Tissues, Organs, Organ System, Organism: Structure and functions of animal and plant tissues (only four types of tissues in animals; Meristematic and Permanent tissues in plants).
AUGUST	23	Revision of Tissues
SEPTEMBER	21	Exam PT-I
OCTOBER	18	Theme: Food Unit IV: Food Production Plant and animal breeding and selection for quality improvement and management; Use of fertilizers and manures; Protection from pests and diseases; Organic farming.
NOVEMBER	18	The chapter Natural Resources (NCERT Chapter 14) will not be assessed in the year-end examination. However, learners may be assigned to read this chapter and encouraged to prepare a brief write up on any concept of this chapter in their Portfolio. This may be for Internal Assessment and credit may be given for Periodic Assessment/Portfolio. 2. The NCERT text books present information in boxes across the book. These help students to get conceptual clarity. However, the information in these boxes would not be assessed in the year-end examination.
DECEMBER	18	Activity 1: Description and display of the microscope and its parts Activity 2: Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams. Activity 3: Unit-II 5. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams.
JANUARY	23	Revision for Annual Exam
FEBRUARY	23	Annual Exam
SYLLABUS FOR EXAMS	PT-1	Chapter The basic Fundamental Unit of Cell
	Half Yearly Exam	Chapter Tissues
	PT2	Chapter Food Production and Animal Breeding
	Annual Exam	All the three chapters.
	Subject	Activity 1: Description and display of the microscope and its

	<b>Enrichment (Total marks-5) - (activities with marks)</b>	parts Activity 2: Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams. Activity 3: Unit-II 5. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams.
	<b>Multiple Assessment (Total marks-5) (activities with marks)</b>	Practice question given in NCERT Exemplar
	<b>Portfolio (Total marks-5)</b>	Based on Class Observation, Notebook ,Participation in Subject Related activities

## **Subject-Social Science**

### **LEARNING OBJECTIVES**

- 1. To stimulate the child's interest in the socio political and geographical aspects of the country and the world.**
- 2. To promote learning opportunities to the students by involving them in creative activities like project work thus enhancing their aesthetic sense and social development.**
- 3. To motivate them to develop reasoning skills.**
- 4. To provide opportunities to the students to explore their environment.**
- 5. To develop curiosity and spirit of enquiry among students.**

### **RECOMMENDED BOOKS**

- 1. India and the Contemporary World – Part I**
- 2. Democratic Politics - Part I**

## SUBJECT- ARTIFICIAL INTELLIGENCE

### LEARNING OBJECTIVES-

- To understand and appreciate Artificial Intelligence and describe its applications in daily life. To relate, apply and reflect on the human-machine interactions
- Understand and identify the three key domains of AI
- To appreciate complexity of real world issues
- Critically think about the cost and benefits of AI technology.
- To understand how AI projects are designed
- Acquire introductory Python Programming skills

### RECOMMENDED BOOKS -

CBSE Handbook Artificial Intelligence (Class IX)

Essential of Artificial Intelligence by Kartik Sharma (Sultan Chand)

MONTH	NO. OF WORKING DAYS	COURSE CONTENT
April	20	1. Communication Skills (Employability Skills) 2. Self Management Skills (Employability Skills)
June	12	3. ICT Skills (Employability Skills)
July	23	Unit 1 : Introduction to Artificial Intelligence
August	23	Unit 2 : Introduction to AI Project Cycle Unit 4 : Python
September	21	Mid Term Examination
October	18	Unit 3 : Neural Network Unit 4 : Python
November	18	Unit 4 : Python
December	18	4. Self Management Skills (Employability Skills) 5. Green Skills (Employability Skills)
January	23	Revision
February	23	Annual Examination
SYLLABUS	Half Yearly Exam	Employability Skills (Lesson 1 to 3) Theory : AI ( Unit 1 and Unit 2) Practical : Python
	Annual Exam	Employability Skills (Lesson 2,3 and 4) Theory : AI (Unit I to 3 ) Practical : Unit 4 : Python