

SURENDRANATH CENTENARY SCHOOL SESSION – 2026–27
ANNUAL PEDAGOGICAL PLAN – CLASS IX (ENGLISH)

Subject: English

Books: NCERT Beehive, Moments, Words and Expression , Kaveri

Month	Chapter	No. of Periods	Topics	Learning Objective	Learning Outcome
April	The Fun They Had; The Road Not Taken,Wind	21	Recapitulation, prose & poem, Determiners, Tenses, notices, informal invitation,editorial letters, application letter writing.	To help learners develop reading, grammar and writing skills	Learners will comprehend texts and write effectively.
May	How I taught my grandmother to read; Bharat our Land,	10	Story, poem, emotions, reported speech, formal e-mail	To help learners interpret and express ideas	Learners will analyse themes
June	The sound of music(1 and 2)	11	Subject verb agreement, clauses.	To strengthen grammar	Learners will apply grammar rules
July	Vitamin- M, The Lake Isle Of Innisfree.	22	Prose & poem, comprehension, magazine articles, factual description, descriptive paragraph.	To develop appreciation, analysis, writing skills.	Learners will interpret texts

August	Subject enrichment strategies, revision of integrated grammar exercises, writing skills; revision of HALF YEARLY EXAMINATION.	20	Satire, patriotism, integrated grammar and writing skills.	To build analytical skills, communication skills, apply grammatical rules in writing.	Learners will analyse and write the answers.
October	My Childhood; gifts of grace, I cannot remember my mother.	15	Values, poetry	To understand life lessons and answer the questions.	Learners will relate text with the real life situation.
November	Reach for the Top(1and2),no men are foreign.	16	Inspiration, poem, narrative essay.	To motivate learners	Learners will identify themes.
December	Twin Melodies; A slumber did my spirit seal.	20	Compassion, emotions, letter writing	To build emotional understanding	Learners will analyse tone
January	The Last Leaf; subject enrichment activities, revision of FINAL EXAMINATION.	20	Hope, dignity,integrated grammar, writing .	To reinforce skills, apply rules , enhance writing and communication skill.	Learners will write effectively

SURENDRANATH CENTENARY SCHOOL

SESSION – 2026-27

ANNUAL PEDAGOGICAL PLAN

CLASS IX

SUBJECT -हिंदी Book-गंगा (कक्षा नवम के लिए) नवयुग हिंदी व्याकरण					
Month	Chapter	No. of pr.	Topics	Learning Objective	Learning Outcome
April '26	साहित्य की रूपरेखा: एक परिचय गंगा:- 1. दो बैलों की कथा व्याकरण:- उपसर्ग, अनुच्छेद-लेखन, पत्र-लेखन	21	साहित्य की चर्चा , पूर्वानुभव समीक्षा गंगा:- जीवनमूल्यों की समझ, पशु जीवन की मामिकता व्याकरण:-उपसर्ग शब्द निर्माण व्याकरण:- अनुच्छेद लेखन विभिन्न शीर्षकों पर लेखन अभ्यास	जीवनमूल्यों का विकास बैलों के माध्यम से जीवनमूल्यों की समझ प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी से शुरुआत विकास (Presentation) पाठ की व्याख्या, उदाहरण, चर्चा अभ्यास (Practice) प्रश्न-उत्तर, लेखन कार्य मूल्यांकन (Evaluation) टेस्ट, मौखिक प्रश्न शब्द निर्माण में उपसर्ग की भूमिका रचनात्मक लेखन का विकास	आजादी, मित्रता एवं संघर्ष के मूल्यों का विकास होगा शब्द निर्माण की क्षमता विकसित होगी रचनात्मक लेखन में अभिरुचि होगी

May '26	गंगा 8. रैदास के पद व्याकरण:- प्रत्यय, अनुच्छेदलेखन, अनौपचारिकपत्र लेखन,	10	गंगा रैदास के पद निर्गुण संत, काव्य भक्ति, आडंबरों का विरोध व्याकरण:- प्रत्यय शब्द निर्माण, अनुच्छेदलेखन, अनौपचारिकपत्रलेखन,	प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी से शुरुआत विकास (Presentation) पाठ की व्याख्या, उदाहरण, चर्चा अभ्यास (Practice) प्रश्न-उत्तर, लेखन कार्य मूल्यांकन (Evaluation) टेस्ट, मौखिक प्रश्न नए शब्दों का निर्माण कर सकेंगे रचनात्मकलेखन का विकास	जीवनमूल्यों की समझ, पशु जीवन की मार्मिकता समझेंगे सगुण भक्ति राम और लक्ष्मण के स्वभाव में अंतर समझेंगे अवधी भाषा का लालित्य और भाव की समझ बढ़ेगी लेखन प्रक्रिया निबंध शैली भारतीय ज्ञान समझेंगे नए शब्द गढ़ने की क्षमता विकसित होगी
June '26	गंगा 9.राम - परशुराम लक्ष्मण संवाद व्याकरण:- अर्थ के अनुसार वाक्य संवादलेखन अनुच्छेदलेखन, पत्रलेखन	11	सगुण भक्ति राम और लक्ष्मण के स्वभाव में अंतर अवधी भाषा का लालित्य वाक्य की पहचान करना वाक्य रूपांतरण करना व्याकरण:- संवादलेखन ,अनुच्छेद लेखन ,पत्रलेखन	सगुण भक्ति राम और लक्ष्मण के स्वभाव में अंतर अवधी भाषा का लालित्य रचनात्मक लेखन वाक्य की पहचान , रूपांतरण प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी से शुरुआत विकास (Presentation) पाठ की व्याख्या, उदाहरण, चर्चा अभ्यास (Practice) प्रश्न-उत्तर, लेखन कार्य मूल्यांकन (Evaluation)	सगुण भक्ति राम और लक्ष्मण के स्वभाव में अंतर अवधी भाषा का लालित्य समझेंगे रचनात्मक लेखन में रुचि होगी वाक्य भेद में अंतर समझ पाएंगे। वाक्यों में रूपांतरण कर पाएंगे।

July '26	गंगा 2. क्या लिखू? 3. संवादहीन व्याकरण:- संज्ञा सर्वनाम विशेषण, क्रिया अनुच्छेदलेखन, अनौपचारिकपत्र लेखन	23	गंगा क्या लिखू? संवादहीन पीढ़ीगत अंतर संवेदना विचार और भाव में द्वंद्व एवं संतुलन व्याकरण:-, संज्ञा, सर्वनाम विशेषण, क्रिया अनुच्छेदलेखन, अनौपचारिक पत्रलेखन	पीढ़ीगत अंतर संवेदना विचार और भाव में द्वंद्व एवं संतुलन प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी से शुरुआत विकास (Presentation) पाठ की व्याख्या, उदाहरण, चर्चा अभ्यास (Practice) प्रश्न-उत्तर, लेखन कार्य मूल्यांकन (Evaluation) टेस्ट, मौखिक प्रश्न	पीढ़ीगत अंतर संवेदना विचार और भाव में द्वंद्व एवं संतुलन को समझेंगे संज्ञा, सर्वनाम की परिभाषा, भेदों का परिचय, प्रश्नोत्तरी एवं अभ्यास एवं इनकी पहचान से व्यावहारिक व्याकरण को समझेंगे। वाक्यभेद को समझेंगे एवं अभ्यास कर सकेंगे। रचनात्मकलेखनएवंरचनाशीलताकेप्रतिजागरूक होंगे
August '26	गंगा:- 4. ऐसी भी बातें होती हैं 10. भारती जय विजय करें व्याकरण:- संज्ञा सर्वनाम विशेषण क्रिया अलंकार— (अनुप्रास, यमक, श्लेष) पत्रलेखन, अनुच्छेद लेखन संवादलेखन	21	गंगा:- 4. ऐसी भी बातें होती हैं 10. भारती जय विजय करें व्याकरण:- अलंकार, संज्ञा सर्वनाम विशेषण, क्रिया की परिभाषा, भेदों का परिचय, प्रश्नोत्तरी एवं अभ्यास एवं इनकी पहचान संवादलेखन , पत्रलेखन, अनुच्छेद लेखन	छायावादी काव्य भारत का भौगोलिक एवं सांस्कृतिक और प्रकृति वर्णन कृषि प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी से शुरुआत विकास (Presentation) पाठ की व्याख्या, उदाहरण, चर्चा अभ्यास (Practice) प्रश्न-उत्तर, लेखन कार्य मूल्यांकन (Evaluation) टेस्ट, मौखिक प्रश्न कविता में अलंकार प्रयोग	छायावादी काव्य ,भारत का भौगोलिक , सांस्कृतिक और प्रकृति वर्णन कृषि और राष्ट्रीयता को समझेंगे। अलंकार प्रयोग एवं पहचान में समर्थ हो पाएंगे रचनात्मक लेखन में अभिरुचि होगी

September '26	पठित पाठों की पुनरावृत्ति		पुनरावृत्ति	विषयनिष्ठ ज्ञान	विषयनिष्ठ ज्ञान से परिपूर्ण हो सकेंगे
October '26	गंगा:- 5. आखिरी चट्टान तक 11. झांसी की रानी व्याकरण:- अलंकार- (अनुप्रास, यमक, श्लेष) सूचना लेखन पत्रलेखन	14	आखिरी चट्टान तक पठन, अभ्यास एवं प्रश्नोत्तरी झांसी की रानी पठन, अभ्यास एवं प्रश्नोत्तरी से पाठ के अंतर्गत समग्र भाव व्याकरण:- अलंकार- (अनुप्रास, यमक, श्लेष) संज्ञा, सर्वनाम, विशेषण, क्रिया सूचना लेखन, पत्रलेखन	1857 का संग्राम इतिहास स्त्री शिक्षा सशक्तिकरण लोकगीत शैली देशप्रेम कर्तव्यबोध स्वाधीनता आंदोलन चुनाव प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी से शुरुआत विकास (Presentation) पाठ की व्याख्या, उदाहरण, चर्चा अभ्यास (Practice) प्रश्न-उत्तर, लेखन कार्य मूल्यांकन (Evaluation) टेस्ट, मौखिक प्रश्न नए शब्दों का निर्माण कर सकेंगे	1857 का संग्राम इतिहास स्त्री शिक्षा सशक्तिकरण लोकगीत शैली ज्ञान से परिपूर्ण हो सकेंगे देशप्रेम कर्तव्यबोध स्वाधीनता आंदोलन चुनाव पठन, अभ्यास एवं प्रश्नोत्तरी से पाठ के अंतर्गत समग्र भाव से अवगत होंगे। नए शब्दों के निर्माण में समर्थ होंगे संज्ञा सर्वनाम विशेषण क्रिया का अभ्यास व्यावहारिक व्याकरण को समझेंगे। रचनात्मक लेखन के प्रति जागरूक होंगे,

November '26	गंगा:-7. मैं और मेरा देश 12.घर की याद व्याकरण:- संज्ञा सर्वनाम विशेषण क्रिया अलंकार– (अनुप्रास, यमक,श्लेष) अनुच्छेद लेखन सूचना लेखन	17	गंगा:- मैं और मेरा देश घर की याद संज्ञा सर्वनाम विशेषण क्रिया अलंकार– (अनुप्रास, यमक,श्लेष) अनुच्छेद लेखन सूचना लेखन	देशप्रेम कर्तव्यबोध स्वाधीनता आंदोलन चुनाव पठन, अभ्यास एवं प्रश्नोत्तरी से पाठ के अंतर्गत समग्र भाव से अवगत होंगे। प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी से शुरुआत विकास (Presentation) पाठ की व्याख्या, उदाहरण, चर्चा अभ्यास (Practice) प्रश्न-उत्तर, लेखन कार्य मूल्यांकन (Evaluation) टेस्ट, मौखिक प्रश्न	देशप्रेम कर्तव्यबोध स्वाधीनता आंदोलन चुनाव पठन, अभ्यास एवं प्रश्नोत्तरी से पाठ के अंतर्गत समग्र भाव से अवगत होंगे। प्रत्यय से नए शब्दों का निर्माण कर सकेंगे विशेषण, क्रिया की परिभाषा, भेदों का परिचय, प्रश्नोत्तरी एवं अभ्यास एवं इनकी पहचान से व्यावहारिक व्याकरण को समझेंगे। अलंकारों की पहचान एवं साहित्यिक प्रयोग से साहित्यिक सौंदर्य से परिचित होंगे। अनुच्छेद लेखन रचनात्मक लेखन में रुचि दिखाएंगे

December '26	गंगा:- 6 रीढ़ की हड्डी व्याकरण:- संज्ञा, सर्वनाम, विशेषण ,क्रिया संवादलेखन सूचना लेखन पत्रलेखन	20	रीढ़ की हड्डी संज्ञा सर्वनाम विशेषण क्रिया वाक्यभेद:- पहचानएवंवाक्यपरिवर्तन अलंकारों की पहचान एवं साहित्यिक प्रयोग से साहित्यिक सौंदर्य से परिचित होंगे।	पुरुष मानसिकता समाज में हावी पुरुष मानसिकता पर कैसे विजय प्राप्त करें।	स्त्री शिक्षा और सशक्तिकरण कुरीतियों पर चोट पुरुष मानसिकता को त्याग कर ही स्वस्थ समाज का निर्माण किया जा सकता है नवीन शब्दों के निर्माण की क्षमता विकसित होगी विशेषण, क्रिया की परिभाषा, भेदों का परिचय, प्रश्नोत्तरी एवं अभ्यास एवं इनकी पहचान से व्यावहारिक व्याकरण को समझेंगे। अलंकारों की पहचान एवं साहित्यिक प्रयोग से साहित्यिक सौंदर्य से परिचित होंगे।
January '27	गंगा:- 12. घर की याद व्याकरण:-	19	गंगा:- 12. घर की याद व्याकरण:-संज्ञा सर्वनाम विशेषण क्रिया अलंकार	छायावादी काव्य भारत का भौगोलिक एवं सांस्कृतिक और प्रकृति वर्णन कृषि प्रस्तावना (Introduction) विषय से संबंधित प्रश्न या कहानी	छायावादी काव्य भारत का भौगोलिक एवं सांस्कृतिक और प्रकृति वर्णन कृषि और राष्ट्रीयता को समझेंगे।

	अलंकार— (अनुप्रास, यमक, श्लेष) अपठित गद्यांश एवं पद्यांश संवाद लेखन पत्र लेखन, अनुच्छेद लेखन सूचना लेखन		Group discussion- अपने बचपन के अनुभवों को साथियों के साथ प्रस्तुत करेंगे	से शुरुआत रचनात्मक लेखन के प्रति जागरूक होंगे	। विशेषण, क्रिया की परिभाषा, भेदों का परिचय, प्रश्नोत्तरी एवं अभ्यास एवं इनकी पहचान से व्यावहारिक व्याकरण को समझेंगे। अलंकार के अनुप्रयोग को जान सकेंगे रचनात्मकता के साथ लेखन कर सकेंगे
February '27	गंगा:- 7. मैं और मेरा देश व्याकरण-पुनरभ्यास पठित पाठों की पुनरावृत्ति, अपठित गद्यांश एवं पद्यांश	22	गंगा:- 7. मैं और मेरा देश व्याकरण- पुनरभ्यास पठित पाठों की पुनरावृत्ति	छायावादी काव्य भारत का भौगोलिक एवं सांस्कृतिक और प्रकृति वर्णन कृषि प्रकृति सृष्टि निर्माता के प्रति आभार	छायावादी काव्य भारत का भौगोलिक एवं सांस्कृतिक और प्रकृति वर्णन कृषि प्रकृति सृष्टि निर्माता के प्रति आभार व्याकरण- पुनरभ्यास पठित पाठों की पुनरावृत्ति
March '27	वार्षिक परीक्षा				

SURENDRANATH CENTENARY SCHOOL
SESSION – 2026-27
ANNUAL PEDAGOGICAL PLAN
CLASS IX

Subject संस्कृत Book शारदापाठ्यपुस्तकम्					
Month	Chapter	No. of pr.	Topics	Learning Objective	Learning Outcome
April ,26	वर्णमाला - उच्चारणस्थान म् अपठितगद्यां श व्याकरण-कार क उपपद विभक्ति ●संधिप्रकरणम् ●अनुच्छेदलेख नम् शारदापाठ्यपु स्तकम्	30	स्वर वर्ण, व्यंजन वर्ण और उच्चारण स्थानम् । अपठितगद्यांश पर आधारित प्रश्नोत्तर। अनुभवजन्य शिक्षण ●सर्वनाम् शब्दरूपाणि त्रिषु लिंगेषु, शब्दरूपाणि त्रिषु लिंगेषु , एवं धातुरूपाणि पञ्चलकारेषु । सन्धि- स्वर,व्यंजनऔर विसर्ग संधि । ● अनुच्छेदलेखन का अभ्यास-कार्य । ●1.सत्यं शिवं सुन्दरं संस्कृतम् (आधुनिकगीत)	संस्कृत वर्णमाला एवं उच्चारणस्थान का ज्ञान तथा शुद्ध उच्चारण तथा सही प्रयोग करना।अपठितगद्यांश की समझ और उस परआधारित प्रश्नोत्तर करने में निपुण । ● उपपद-विभक्ति कारक प्रथमा - सप्तमी तक । उपपद विभक्ति द्वितीया - उपपद - सप्तमी ●सर्वनाम् शब्दरूपों, शब्दरूपों एवं धातुरूपों तथा सन्धियों (स्वर व्यंजन एवं विसर्ग सन्धि) का प्रायोगिक ज्ञान। ● “पर्यावरणम्”प्रकृति का सांनिध्य । ●गीत का स्वरपाठ(लयबद्ध गायन)का ज्ञान। नवीनशब्दों का अर्थ- ज्ञान। नई धातुएँ, गीत का अन्वय प्रश्नोत्तर करने में समर्थ।	छात्र सक्षम हुए – शुद्ध पढ़ने -लिखने और उच्चारण करने में समर्थ। ● वर्णमाला एवं शुद्ध उच्चारण का बोध। ● भाषा की समझ प्रश्नोत्तर लिखने में सक्षम। ● संधियों का ज्ञान । ● अनुच्छेदलेखन की समझ। ● समूह गायन, सकारात्मक सोच की भावना । संस्कृत भाषा के प्रति गौरव की अनुभूति ।
May ,26	शारदापाठ्यपु स्तकम्	16	2..सुखस्य मूलं धर्मः धर्मस्य मूलमर्थः (आर्थिक साक्षरता)	छात्रों की सहायता करना - ● पाठ का अर्थ, भाव, प्रश्नोत्तर। ● नवीनशब्दों का अर्थ- ज्ञान।	छात्र सक्षम हुए- ● जीवन में सुख प्राप्ति के लिए धन आवश्यक है इसका ज्ञानबोध।

	व्याकरण- [प्रत्ययाः,]		3.आत्मवतसर्भूतेषु यः पश्यति सः पण्डितः।(अध्यात्म) [क्त्वा,तुमुन्,ल्यप्,क्त,क्तवतु,शतृ,शानच्]	नई धातुएँ, व्याकरण का ज्ञान । ● शब्द और प्रत्यय के संबंध की पहचान कर पाना । ii) शब्दों में उचित प्रत्यय जोड़कर नए शब्द बना सकें। iii) प्रत्ययों का वाक्यों में सही प्रयोग कर सकें। iv) रचनात्मककार्य ।	पाठ से संबंधित अभ्यास-कार्य करने में समर्थ। ● प्रत्यय की समझ, पहचान और सही प्रयोग करने में [
June ,26	शारदापाठ्यपुस्तकम् पत्रलेखनम्	16	4. न खलु वयस्तेजसो हेतुः ।(जीवनी). ●वाचन - अर्थ ।प्रश्नोत्तर, विशेषण-विशेष्य अभ्यास-कार्य। ●औपचारिक अनौपचारिक पत्र ।	छात्रों की सहायता करना - ●शुद्ध वाचन व अर्थ स्पष्ट कर पाठ को सुगम करने में। ●विशेषण- विशेष्य का संबंध। •पत्र का प्रारूप और शब्दों का चयन।	छात्र निपुण हुए – वीरता भाव से परिपूर्ण हुए । पाठ को समझने में एवं पाठ में दिए गए भिन्न-भिन्न अभ्यास-कार्य को स्वयं कर पाने में। ● लेखन कौशल विकास। ● रचनात्मक कौशल विकास।
July ,26	शारदापाठ्यपुस्तक 6. व्याकरणम् - शारदापाठ्यपुस्तकम्	30	5.एषा सा कृतकबुद्धिः मानवबुद्धेः सहकारी ●चित्र वर्णनम्- कला समेकित शिक्षण संख्या (1- 100)1- 4 तक प्रथमा में रूप प्रयोग। ● मनः पूतःसमाचरेत्(सूभाषित)	छात्रों की सहायता करना - ● पाठ का अर्थ, भाव, अभ्यास-कार्य तथा व्याकरण ज्ञान।कवि ●दिये गए शब्दों की सहायता से चित्र पर आधारित वाक्य रचना में ●अनुवाद कार्य कौशल विकास। ●लिंग और वचन के अनुसार संख्या का सही प्रयोग । ● श्लोक वाचन-अर्थ -अन्वय-प्रश्नोत्तर तथा व्याकरण।	छात्र में - ● AI कृत्रिमबुद्धि का ज्ञान। ● रचनात्मक कौशल विकास। ●लिंग और वचन के अनुसार संख्या का सही प्रयोग का ज्ञान-बोध। ● संस्कृत संवाद में रुचि। ● अनुभवजन्य शिक्षण

					संधि, समास, विपरीतार्थक आदि का ज्ञान।
August ,26	शारदापाठ्यपुस्तकम् - प्रश्न निर्माण - अव्ययानि - समास प्रकरण		7. उपार्थ यथा चिन्नायेतत् 8. अन्नात् आन्दम् प्रति विषय संवर्धन गतिविधयः - प्रश्न निर्माण (किम् शब्द रूप तीनों लिङ्गों में) - अव्ययानिप्रयोगाः। - तत्पुरुषार्थमेव समास का प्रयोग एवं पहचान।	- छात्रों की सहायता करना - - पञ्चतंत्र के आधार पर कथा से परिचित कराना। - अर्थ, भाव, प्रश्नोत्तर, तथा व्याकरण ज्ञान। - अव्यय पदों के प्रयोग में निपुण। - तत्पुरुषार्थमेव के अन्तर्गत नञतथा विभक्ति तत्पुरुष समास की पहचान।	छात्र सक्षम हुए – - पंचतंत्र की कथा धर्मबुद्धि और पापबुद्धि के माध्यम से क्या करना चाहिए और क्या नहीं करना चाहिए। - संसमस्तपदों का विग्रह एवं अलग अलग पदों को समस्तपद बनाने की समझ ।।
September ,26	पुनरावृत्ति	16	पठित पाठों की पुनरावृत्ति	पठित पाठों की दोबारा समीक्षा, अभ्यास और दोहराव करना।	विद्यार्थी गहन ज्ञान के साथ परीक्षा देने को तैयार हैं।
October ,26	शारदापाठ्यपुस्तकम् कथा पूर्ति	30	9. कृतं प्राकृतं भूयादेष सवाततः । - पत्रलेखन । विषय संवर्धन गतिविधयः - कथा पूर्ति	छात्रों की सहायता करना - पाठ का वाचन व अर्थ स्पष्ट करना । कथा पर आधारित दिये गये शब्दों द्वारा रिक्त स्थानों की पूर्ति । कथा की क्रमबद्धता (sequence) को समझकर सही ढंग से आगे बढ़ाना ।	छात्र सक्षम हुए – - महाभारत की कथा का ज्ञान। - भिन्न-भिन्न अभ्यास-कार्य को स्वयं कर पाने में । - रचनात्मक कौशल ।

November ,26	शारदापाठ्यपुस्तकम् व्याकरण	35	●णमो अरिहन्तारम् वाचन व अर्थ। कला समेकित शिक्षण - चित्र वर्णनम् - पत्रलेखन	छात्रों की सहायता करना - ●णमो अरिहन्तारम् वाचन व अर्थ। - चित्रवर्णनम् - पत्रलेखन के लिए दिये गए शब्दों की सहायता से विषय पर आधारित पत्र का प्रारूप तैयार करने में।	●जैनधर्म पर आधारित कथालेखन। वर्णन के लिए उपयुक्त शब्दों और वाक्यों का ज्ञान। - पत्रलेखन रचनात्मक कौशल विकास। - लघुवाक्य द्वारा चित्र वर्णन करने में
December ,26	शारदापाठ्यपुस्तकम् व्याकरण- अनुच्छेद लेखनम्	25	●णमो अरिहन्तारम् वाचन व अर्थ। ●व्याकरण अंश अनुच्छेद लेखनम् में निपुण।	छात्रों की सहायता करना - ●णमो अरिहन्तारम् वाचन , अर्थ और प्रश्नोत्तर। ●व्याकरण अंश ,शब्दार्थ, सन्धि-संयोग युक्तशब्द व अर्थ। अनुच्छेद लेखनम् में निपुण ।	छात्र सक्षम हुए – ●जैनधर्म पर आधारित कथालेखन। वर्णन के लिए उपयुक्त शब्दों और वाक्यों का ज्ञान। - वाक्य संरचना में निपुण। - व्याकरण की दृष्टिकोण से शुद्ध वाक्य रचना में समर्थ।
January ,27	व्याकरण-	21	आवृत्ति ●अनुच्छेदलेखन/संवाद/ कथालेखन । अनुभवजन्य शिक्षण	छात्रों की सहायता करना - रूपं /कारक विभक्तिरूपेण/उपपदविभक्त्यानुसारेण वाक्य निर्माण।	छात्र सक्षम हुए – व्याकरण का सम्पूर्ण ज्ञान प्राप्त करने में सक्षम।
February ,27	शारदापाठ्यपुस्तकम् तथा व्याकरणम्		- पठित पाठों की पुनरावृत्ति। - अभ्यास प्रश्न पत्र की आवृत्ति।	पठित पाठों की पुनरावृत्ति। समीक्षा, अभ्यास और दोहराव करना।	विद्यार्थी गहन ज्ञान के साथ परीक्षा देने को पूर्णतः तैयार हैं।

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Subject : Mathematics Book: NCERT					
Month	Chapter	No. of pr.	Topics	Learning Objective	Learning Outcome
April	CH3-The world of numbers	21	Types of numbers rational numbers irrational numbers SDG 8 Decent work& Economic growth SUBJECT ENRICHMENT ACTIVITY- 1 Construct the squareroot spiral to represent irrational numbers	Introduction of ACTIVITY- 1 - rational numbers - Representation of rational numbers on the number line - Density of rational numbers and its proof - Finding rational numbers between any two rational numbers - Decimal representation of rational numbers - Introduction to irrational numbers - Proof of irrationality of $\sqrt{2}$ and $\sqrt{3}$	The student will be able to: Understand the concept of a rational number. Represent rational numbers on the number line. Understand the properties of rational numbers. Explain the concept of density of rational numbers. Compute decimal representation of rational numbers. Understand the concept of irrational numbers. Prove the irrationality. Construct the squareroot spiral. Apply computational thinking to represent rational and irrational.
May	CH2- Introduction to Linear Polynomials	14	Algebraic expressions • Definition	The squareroot spiral	- Understand the meaning of an algebraic expression. - Define a polynomial. - Identify the degree, terms and coefficients of terms in a polynomial. - Model linear growth and decay using linear polynomials.

				of a polynomial. - Degree of a polynomial - Introduction to linear polynomials and applications - Exploring linear patterns - Modelling linear growth and linear decay - Linear relationships - Visualising linear relationships - Slope and y-intercept of a line $y = ax + b$ - Visualising identities using geometrical models	- Explain and identify patterns in linear relationships. - Identify the slope and y-intercept of a linear equation in two variables. - Graph a linear equation in two variables. Use computational thinking to identify patterns, construct linear expressions, and systematically represent and analyse linear relationships using equations and graphs.
June	CH1-The use of Coordinate Geometry	11	Co-ordinate of a point	- Brief history of coordinate geometry - The 2-D Cartesian coordinate system	- Specify locations and the position of one point relative to another point using coordinates. - Represent a floor plan on a grid using coordinates.
July	CH1-The use of Coordinate Geometry (contd)	11	Distance Formula SDG 10 Reduced inequalities SUBJECT ENRICHMENT ACTIVITY -II	Distance between two points in the 2-D plane Midpoint of the line-segment between two points in the 2-D plane	- Compute the distance between two points using coordinates. - Determine whether three points lie in a straight line using coordinates. - Compute the position of the midpoint of a line segment using coordinates. - Check whether a triangle is right-angled

					using coordinates. Apply computational thinking to model situations on the coordinate plane and verify geometric properties through systematic reasoning
July	CH4- Exploring Algebraic Identities	17	SUBJECT ENRICHMENT ACTIVITY -III $(a + b)^3$	• Revisiting algebraic identities • Visualising identities using geometrical models • Factorisation of algebraic expressions using identities • More identities and their applications • Visualising factorisation of quadratic expressions through algebra tiles and without using algebra tiles • Finding new identities • Simplifying rational expressions Conceptual understanding Representation Recognition	• Visualise algebraic identities using geometric models. • Determine the factors of algebraic expressions using identities. • Interpret factors of quadratic expressions through geometric models. • Find simplified versions of rational expressions. Use computational thinking strategies, such as decomposition and step-by- step procedures to visualise algebraic identities, factor expressions, and simplify rational expressions. Define a set Convert between roster and set builder form
	Set Theory (Advance)				

August	CH5-I'm up and down round and round	28	SUBJECT ENRICHMENT ACTIVITY -IV	• Practical applications and uses of circles • Definitions related to a circle — centre, diameter, and radius • Chords and the angles they subtend • Midpoints and perpendicular bisectors of chords • Distance of chords from the centre • Subtended angles by an arc • Cyclicity of points • Perimeter of shapes • Perimeter of a circle: Introduction to Pi and its irrationality • Length of an arc • Area of shapes: rectangles, parallelograms, and triangles • Heron's formula • Squaring a rectangle: Proof from	• State the definition of a circle. • Explain the meanings of the terms 'chord', 'diameter', 'radius', 'arc', 'segment', and 'sector'. • Explain why there exists a unique circle through three non-collinear points. • Construct the circumcircle and circumcentre of a triangle. • Describe the location of the circumcentre for acute, obtuse, and right-angled triangles. • Explain what 'angle subtended by an arc at the centre' means. • Explain why 'equal chords subtend equal angles at the centre'. • Define perimeter as the length around the boundary of any shape. • Explain that the circumference-to- diameter ratio is constant for all circles • List historical approximations to π (from Archimedes, Aryabhata, and Zu Chongzhi). • Compute the circumference of a circle and the length of an arc. • Apply ideas of circle perimeter and arc- length to real-world contexts. • Explain why a median of a triangle divides it into two triangles of equal area. • Use Heron's formula to compute the area of a triangle from its sides.
	CH6-Measuring Space: Perimeter and Area				

	CH8- Predicting What Comes Next- Exploring Sequence And Progressions			Baudhayana's Sulbasutras • Area of a circle: derivation • Area of the sector of a circle • Brahmagupta's formula for area of a cyclic 4-gon • Heron's formula as a special case of Brahmagupta's formula • Introduction to sequences • Explicit or general rule of a sequence • Recursive rule of a sequence • Arithmetic Progressions • (AP): nth term, visualising an AP, and practical contexts leading to APs • Sum of the first n natural numbers	• Explain the classical problem of 'squaring' a given shape. • Explain how ancient civilisations approximated the area of a circle. • Compute the area of a circle using the formula. • Explain and use the formula for area of a sector of a circle. • Solve problems on areas of sectors and segments of circles. • State Brahmagupta's formula for the area of a cyclic quadrilateral in terms of its sides. • Explain why Heron's formula is a 'special case' of Brahmagupta's formula. • Explain the notion of 'special case' and 'generalisation' in mathematics. • Use computational thinking to break down shapes, apply step-by-step methods to calculate perimeter and area, recognise patterns across formulae, and understand generalisation and special cases in geometry. • Understand the concept of a sequence of numbers. • Identify the pattern in a sequence and predict the next few terms. • Determine the recursive and explicit rules for different sequences. • Obtain the terms of sequence given its recursive and explicit rule. • Identify Arithmetic Progressions (AP). • Determine the nth term of an AP. • Visualise an AP graphically.
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September	CH8- Predicting What Comes Next- Exploring Sequence And Progressions Contd. Logarithm (Advance) CH7-The Mathematics of Maybe Introduction to Probability	14	SKILLS –Analytical reasoning SUBJECT ENRICHMENT	- Geometric Progressions (GP): nth term, visualising a GP, and practical contexts leading to GPs - Applications of GP in fractals - Tower of Hanoi puzzle - Concept of log as the inverse of Exponent - Relate exponential and logarithmic form - Concept of probability and randomness - The probability scale - Empirical probability: analysing statistical data and performing experiments - Theoretical probability: sample space and events - Representing probability through tree diagrams and tables	- Identify Geometric Progressions (GP). - Determine the nth term of a GP. - Visualise a GP graphically. - Analyse attributes of fractals using GP. - Solve the Tower of Hanoi puzzle. - Use computational thinking to identify patterns, write step-by-step rules, and model patterns in sequences and progressions. Convert between both forms - Understand the concept of randomness. - Describe the likelihood of an event using the probability scale. - Estimate the empirical probability of the occurrence of an event by analysing statistical data. - Define theoretical probability of an event. - Apply the definition of theoretical probability to compute the probability of an event. - Compute probability of events with the help of tree diagrams and tables. - Use computational thinking strategies, such as pattern recognition and simulation, to model random experiments and estimate probabilities
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Subject: PHYSICS

Books:1) EXPLORATION TEXTBOOK OF SCIENCE FOR GRADE 9

2) NUMERICAL PHYSICS-IX (LAXMI PUBLICATIONS)

3) LAB MANUAL SCIENCE-IX (BLUE PRINT)

Month	Chapter	No. of pr.	Topics	Learning Objective	Learning Outcome
April 26	Describing motion around us	8	• (Advanced syllabus) : Conversion of units- Fundamental and derived units. • Motion (Kinematics) Displacement, velocity, acceleration • Motion in a straight line (constant velocity & constant acceleration) • Graphical analysis of motion (distance-time and velocity-time graphs)	• Students will understand the difference between fundamental and derived units. • Students will learn how to convert units correctly using standard SI relationships. • To develop understanding of displacement, velocity, and acceleration • To explain motion in a straight line under constant velocity and acceleration • To enable students to interpret and draw motion graphs	• students can convert basic fundamental units into other standard forms. • Students can convert derived units such in simple Class 9 problems. • Students will be able to define and differentiate displacement, velocity, and acceleration • Students will analyse motion in a straight line with constant velocity and acceleration • Students will interpret and construct distance-time and velocity-time graphs
May 26			• (Advanced syllabus) : Derivation and application of equations of motion • <u>ACTIVITY-1 Experiential</u>	• To derive kinematic equations using graphical methods • To help students apply	• Students will derive and use kinematic equations for solving numerical problems • Students will solve real-life

	Describing motion around us	Contd.... 4	<u>Learning:</u> Activity to compute the change in velocity of a moving object in non uniform motion in order to correctly calculate its acceleration. Skills: Problem solving, Critical thinking.	equations of motion in problem-solving	problems involving motion accurately
June 26	Describing motion around us	Contd... 4.	- Uniform circular motion (elementary idea) (Advanced syllabus) : Relative velocity	- To introduce the concept of uniform circular motion in daily life - To strengthen analytical thinking and mathematical skills - to calculate the velocity of one object relative to another in one-dimensional motion.	- Students will describe uniform circular motion with examples (e.g., motion of a fan, satellite) - Students will apply concepts of motion in practical situations and observations. - Students will apply the concepts of relative velocity (simple problems)
July 26	How forces affects motion	8	- Force; balanced and unbalanced forces - Force of friction <u>Art Integrated Activity:-</u> Create an infographic explaining how the force of friction depends on the nature of the surfaces in contact. Include examples of different surface pairs and show which combinations produce more or less friction.	Students will be able to: - Understand the concept of force and identify different types of forces in daily life. - Differentiate between balanced and unbalanced forces with suitable examples. - Explain the concept of friction, its causes, advantages, and disadvantages. - Interpret Newton's First	Students will be able to: - Define force and explain its effects on the motion and shape of objects. - Classify forces as balanced and unbalanced and predict their effects on motion. - Explain the role of friction in everyday life and suggest methods to increase or reduce it. - State and apply Newton's First Law of Motion in practical situations.

			- Newton's first law of motion <u>Subject Enrichment:</u> Activity to show inertia of rest and motion.	Law of Motion and relate it to inertia in real-life situations.	
August 26	How forces affects motion	8	- Newton's second law of motion - Newton's third law of Motion (Advanced syllabus) : Concept of impulse , variable force, conservation of momentum, free body diagrams (introduction only)	- Understand and apply Newton's Second Law of Motion (relation between force, mass, and acceleration). - Describe Newton's Third Law of Motion and identify action-reaction force pairs. - Develop analytical skills by solving numerical problems related to force and motion. - Perform simple activities/experiments to observe the effects of force. - Students will understand how impulse relates to the change in momentum of a body. - Students will explain the conservation of momentum in a simple isolated system.	- Use the formula $F = ma$ to solve numerical problems based on Newton's Second Law. - Identify and explain action and reaction forces as per Newton's Third Law. - Analyze real-life situations (e.g., walking, pushing objects, vehicle motion) using laws of motion. - Demonstrate understanding through experiments, class discussions, and problem-solving tasks. - Students will understand how a short force applied for some time can change a body's momentum in daily life, such as when catching a ball or kicking a football. - Students can identify situations where force acting over time changes

					momentum. Students can solve basic Class 9 numericals on momentum change .
September 26	Ch- Describing motion around us Ch- How forces affects motion		(Advanced syllabus) : Variation of 'g' ,Archimedes' principle ,problems based on density. (introduction) - Revision of half yearly syllabus.	Students will understand how gravitational acceleration changes and varies slightly from place to place. Students will explain Archimedes' principle and relate density to whether an object sinks or floats.	Students can solve simple Class 9 problems on variation of [g] and compare weight in different situations. Students can use density and buoyancy ideas to solve basic problems involving floating and sinking.
October 26	Work, Energy and Simple Machines SDG:- Quality Education.		- Work and Energy - Work done by a constant force - Work-Energy Theorem - Forms of Mechanical Energy (Kinetic & Potential Energy) <u>EXPERIENTIAL LEARNING:-</u> Activity to teach them an object moving faster can do more work than an identical object	Students will be able to: - Understand the concept of work and identify situations where work is done. - Calculate work done by a constant force using the appropriate formula. - Explain the relationship between work and energy through the work-energy theorem. - Differentiate between kinetic energy and potential energy. - Understand the	Students will be able to: - Define work, energy, and power with correct units and formulas. - Solve numerical problems related to work, energy, and power. - Demonstrate understanding of kinetic and potential energy through examples. - Analyze energy transformations in

			moving slower. Skills: observational and creative. • Law of Conservation of Energy	transformation of energy from one form to another. • Explain and apply the law of conservation of energy in real-life situations.	daily life (e.g., roller coaster, falling objects). • State and explain the law of conservation of energy with examples.
November 26	Work, Energy and Simple Machines	8	• (Advanced syllabus): Power and efficiency • Simple Machines (Pulley, Lever, Inclined Plane) • (Advanced syllabus) Mechanical Advantage, combination of machines. <u>Subject Enrichment Task:</u> Students will prepare a simple working model of a lever, pulley, or inclined plane and answer basic questions to explain its working and usefulness.	• Define power and calculate it in different contexts. • Identify different types of simple machines and understand their uses. • Explain the concept of mechanical advantage and efficiency of machines.	• Calculate power and relate it to real-life devices. • Identify simple machines in their surroundings and explain their working. • Calculate mechanical advantage and understand how machines make work easier. • Apply concepts in practical situations and problem-solving tasks.
December 26	Sound Waves	6	• Production of sound • Propagation of sound as a longitudinal wave • Graphical representation of sound waves	Students will be able to: • Understand how sound is produced through vibrations. • Explain the propagation of sound as a longitudinal wave through	Students will be able to: • Demonstrate that sound is produced due to vibrations using simple activities. • Illustrate how sound travels

	:Characteristics and applications		• Characteristics of sound (wavelength, frequency, time period, amplitude, intensity, speed)	different media. • Interpret graphical representations of sound waves. • Describe various characteristics of sound such as wavelength, frequency, amplitude, and speed.	through different media with suitable examples. • Draw and label a sound wave showing its key features. • Relate frequency with pitch and amplitude with loudness.
January 27	Sound Waves :Characteristics and applications	10	• Human perception of sound (pitch and loudness) • Propagation of sound in solids and liquids • Reflection of sound (echo, reverberation) and echolocation • <u>Art Integrated:-</u> Create a sound wave collage using cut-outs, drawings, or colors to show loud and soft sounds, high and low pitch, and everyday examples like a drum, bell, and flute. • (Advanced syllabus) : Wave equation , Doppler effect , concept of resonance, intensity , loudness (introduction)	• Differentiate between pitch and loudness based on sound properties. • Compare the propagation of sound in solids and liquids. • Explain reflection of sound and its applications like echo and reverberation. • Understand the concept of echolocation and its real-life applications. • Students will understand the wave equation. • Students will explain Doppler effect, resonance, intensity, and loudness in daily-life situations.	• Solve simple numerical problems related to speed, frequency, and wavelength of sound. • Distinguish between echo and reverberation with real-life examples. • Explain why sound travels faster in solids than in liquids. • Apply the concept of echolocation to understand how animals like bats navigate. • Students will be able to use wave equation (simple problems). • Students can identify examples of Doppler effect, resonance, intensity, and loudness in real life.
February 27		6	Revision of Full syllabus		
March 27			FINAL TERM EXAM		

SURENDRANATH CENTENARY SCHOOL, RANCHI
ANNUAL PLAN 2026-27

Class: IX

Book: Exploration(NCERT)

Subject: Chemistry

Lab manual: Blue Print

Month	Chapter	No. of periods	Topic	Learning Objective	Learning Outcome
April	Exploring mixtures and their separation	12	- Homogeneous and heterogeneous mixtures. - Differentiate between homogeneous and heterogeneous mixtures on the basis of their properties . - Demonstrate separation techniques, such as crystallisation, distillation, paper chromatography, sublimation, centrifugation and coagulation . - Classify mixtures as solutions, suspensions, or colloids based on their properties. SDG 4: Quality Education Activity: on paper chromatography and sublimation.	➤ Differentiate between homogeneous and heterogeneous mixtures on the basis of their properties . ➤ Apply the knowledge of homogeneous and heterogeneous mixtures in daily life.. ➤ . Demonstrate separation techniques, such as crystallisation, distillation, paper chromatography, sublimation, centrifugation and coagulation. ➤ Classify mixtures as solutions, suspensions, or colloids based on their properties. ➤ Relate different separation techniques with daily life activities.	➤ Differentiate between homogeneous and heterogeneous mixtures on the basis of their properties. ➤ Demonstrate separation techniques, such as crystallisation, distillation, paper chromatography, sublimation, centrifugation and coagulation. ➤ Explain the scientific principles behind separation techniques. ➤ Apply the knowledge of homogeneous and heterogeneous mixtures in daily life. ➤ Draw labelled diagrams or flow charts of separation techniques

May	Exploring mixtures and their separation	8	• Solute, solvent and solution. Classification of solution as homogeneous and heterogeneous. True solutions, suspension solution and colloidal solution. • Properties of colloidal solution- Brownian movement and Tyndall effect. Examples of colloids from day-to-day life. • Classification of substances as elements and compounds. Difference between elements and compounds. Experiential Learning: <u>Activity 1</u> To prepare solutions of different types in order to understand the difference between sol, colloid and suspension. Skills: Critical thinking.	➤ Differentiate between homogeneous and heterogeneous mixtures to classify mixtures based on their properties. ➤ Classify homogeneous and heterogeneous mixtures into solution, suspension and colloids. ➤ Differentiate between homogeneous and heterogeneous mixtures. ➤ Classify substances into elements and compounds. Differentiate between elements and compounds to classify different materials based on their physical and chemical properties .Classify elements as metals, nonmetals and metalloids.	➤ . To differentiate between homogeneous and heterogeneous mixtures. ➤ To classify solutions into true solution, suspension and colloids on the basis of some properties. To differentiate between elements and compounds based on their physical and chemical properties
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June	Exploring mixtures and their separation	8	- Concentration of a Solution and strength of a solution. Calculation of mass percentage and volume percentage for a solution. - Evaporation, distillation, fractional distillation, crystallization, chromatography, centrifugation, sublimation, using separating funnel etc. Experiential Learning: Activity 1 To prepare saturated and unsaturated solutions using salt and water. Skills: Applications of known facts.	- Determine the effect of concentration of solution on its physical properties - Determine the concentration of solⁿ - Examine the process of crystallization and identify the principle involved. - State the underlying principle behind centrifugation and locate its use. - Deduce the process of chromatography and identify mixtures that can be separated through this process. - Elaborate the technique of fractional distillation to separate miscible liquids. Recognize the basis of distillation and identify mix. that can be separated by this. - Explain the basis for use of separating funnel to separate immiscible liquids.	To determine the effect of concentration of solution on its physical properties. - To identify various techniques to separate mixtures depending on the nature of its components. - To know the basic principle working behind centrifugation, crystallization, distillation, fractional distillation, chromatography
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July	Journey inside the atom	14	- Thomson's atomic model and its limitations. - Rutherford's alpha scattering experiment. - Atomic Models (Thomson's Model, Rutherford's Model, and Bohr's Model) . - Distributions of electrons in elements (up to 18 elements) . - Symbols - Valency as the combining capacity. SDG 4: Quality Education	➤ Knowing the different constituents of an atom and differentiate between electrons and protons. ➤ Identifying isobars on the basis of their scientific notation. ➤ Find out valency of an element on the basis of their electronic configuration. ➤ Postulate the reason for different atomic masses for isotopes and the different constituents of an atom and differentiate between electrons and protons. ➤ Identifying isobars on the basis of their scientific notation. ➤ Find out valency of an element on the basis of their electronic configuration. ➤ Postulate the reason for different atomic masses for isotopes of an element.	➤ . To identify isobars on the basis of their scientific notation. ➤ To find out valency of an element on the basis of their electronic configuration. ➤ To postulate the reason for different atomic masses for isotopes and the different constituents of an atom and differentiate between electrons and protons. ➤ To identify examples of isobars and their properties ➤ Find out valency of an element on the basis of their electronic configuration. ➤ To show the distribution of electrons in elements from atomic numbers 1 to 20.
August	Journey inside the atom	14	Rutherford's atomic model. Limitations of Rutherford's atomic model. Reason for failure of Rutherford's atomic model.	➤ Calculate the number of electrons distributed in different orbits according to Bohr- Bury rules and find out valence electrons of different elements. ➤ Show the distribution of electrons in elements from Atomic Nos 1 to 20.	➤ To explain Thomson's model of atom and its incoherent features with the results of other experiments. ➤ To conclude from Rutherford's

			- Bohr's model of atom. Understanding the scheme of maximum electrons in an orbit under Bohr-Bury rule. Writing the electronic configuration on the basis of Bohr-Bury scheme. - Finding out the valency from the electronic configuration of the element. - Atomic number - Mass number - Isotopes - Isobars SDG 3: Good health and well being	- Write the scientific notations of atoms of commonly known elements and calculate their atomic mass and atomic number. Explain Thomson's model of atom and its incoherent features with the results of other experiments. - Draw logical conclusions from Rutherford's experiment to understand the structure of atom. - Compare Rutherford's model and Thomson's model and state their relative advantages and limitations. - State the postulates of Bohr's model of atom and their significance	experiment to understand the structure of atom. - To compare Rutherford's model and Thomson's model and state their relative advantages Comparison of Rutherford's model and Thomson's model and state their relative advantages and limitations. - The postulates of Bohr's model of atom and their significance.
September	Chapters 5 & 8		HOTS questions and revision of the chapters 1 & 2.		
September	Atomic foundations of matter	6	- Laws of chemical combination. Law of constant proportion. Law of conservation of mass. - Dalton's atomic theory. Indivisibility of atoms.	- Apply the law of conservation of mass to determine the mass of elements in a mixture. - Calculate the mass ratio of atoms in a molecule to validate law of constant proportions. Correlate the fact of invisibility of atoms to the size of atoms	- To calculate the mass ratio of atoms in a molecule to validate law of constant proportions. - To determine the number of atoms in a molecule to determine its atomicity. To know atomic symbols of commonly known elements.

October	Atomic foundations of matter	12	- Understanding the concept of indivisibility of atoms. Formation of molecules and idea of atomicity. - Symbols of commonly known elements and Greek names from where the formula is derived. - Formula and valencies of complex as well as simple ions. Activity2 Group discussion on formula making in the classroom. - Writing the formula of commonly known compounds using formula of ions. - Understanding the concept of formula of complex ion and its use in making the formula of commonly known compounds. Understanding the Concept of molecular mass and its calculation. Know about the atomic masses of different elements and their application	- Determine the number of atoms in a molecule to determine its atomicity. - List atomic symbols of commonly known elements as per IUPAC. Write chemical formulae using chemical symbols and valencies. - Calculate the number of moles, mass, atoms and molecules Using Avogadro's number. - Recall atomic masses of a few elements to reinforce the idea of different atomic mass for different elements. Calculate the relative molecular mass of commonly known chemical compounds	To be able to write chemical formulae using chemical symbols and valencies. To be able to calculate the number of moles, mass, atoms and molecules using Avogadro's number. To calculate the relative molecular mass of commonly known chemical compounds

November	Atomic foundations of matter	14	• Molecules of elements, Molecules of covalent compounds and their properties • Ions, Ionic compounds and their properties • Writing formulae • Molecular mass chemical • Formula unit mass • Draw diagrams of electron dot structures of atoms and molecules. SDG 12: responsible consumption and production. Activity: Design a game to write formula of the compounds using ions.	➤ Describe how atoms and molecules can lead to beneficial applications, such as medicine, energy and peaceful use of atomic science • Relate atomic bonding to social bonding. ➤ Design educational games to write chemical formulae using symbols. ➤ Describe the basic concepts that matter are made of particles; elements combine in fixed ratios to form compounds; the law of conservation of mass; and different types of bonding (ionic and covalent). ➤ Exhibit creativity and work collaboratively in groups to construct simple models of compounds. ➤ Formulate hypotheses about scientific phenomena by applying prior knowledge and understanding of scientific concepts and laws, and predict the results of data based on the hypotheses. ➤ Accurately use scientific instruments, apparatus and chemicals to collect data . ➤ Analyse results and findings using scientific terms. ➤ Represent data in multiple modes,	➤ Calculate the charge on an ion, valency from the atomic number, the molecular and formula unit mass. ➤ Handle common laboratory chemicals and apparatus safely . Use scientific conventions, symbols, and valency to write the chemical formulae of simple compounds . ➤ Display awareness about the scientific discoveries, such as the contributions of Antoine Lavoisier etc. Display awareness about the contributions of Indian scientists in promoting the peaceful use of atomic energy and the traditional use of the red pigment ‘cinnabar’ obtained from rocks
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				including appropriate figures, tables, graphs or digital formats. ➤ Communicate findings and conclusions effectively, such as those from experiments, activities or projects, both orally and in written form	
December	Earth as a system: Energy, matter and life	12	• Earth as interconnected system. • Nature of solar energy: solar radiation, electromagnetic . • spectrum, and speed of light . • Solar energy interaction with the Earth's Surface and differential heating of the Earth (the role of the atmosphere and the Earth's surface). • Differential warming of the Earth causes winds	➤ Explain the interconnectedness between different spheres of the Earth (biosphere, geosphere, hydrosphere, cryosphere and atmosphere). ➤ Explain the nature of solar radiation. ➤ Explain that solar radiation is an electromagnetic waves having different Frequencies . ➤ Explain the interconnectedness between different spheres of the Earth (biosphere, geosphere, hydrosphere, cryosphere and atmosphere)	➤ Explain the interconnectedness between different spheres of the Earth (biosphere, geosphere, hydrosphere, cryosphere and atmosphere. ➤ Explain the interconnectedness between different spheres of the Earth (biosphere, geosphere, hydrosphere, cryosphere and atmosphere
January	Earth as a system: Energy, matter and life	12	• Biogeochemical cycles (water cycle, carbon cycle, nitrogen cycle, oxygen cycle). • Human impact on Earth's system. SDG 15: Life on land	➤ Explain the interaction of solar radiation with the Earth's surface and relate the differential heating of the Earth's surface with the atmospheric phenomena, such as air movement, evaporation, etc., and describe phenomena like mountain, valley, sea and land breezes	➤ Explain the nature of solar radiation. ➤ Explain that solar radiation is an electromagnetic waves having different Frequencies
February	Chapters 8 & 9		HOTS questions and revision of the chapters 8 & 9.		

SURENDRANATH CENTENARY SCHOOL, RANCHI ANNUAL PLAN 2026-27

Class: IX

Book: Exploration(NCERT)

Subject: Chemistry(Advanced)

Lab manual: Blue Print

Month	Chapter	No. of periods	Topic	Learning Objective	Learning Outcome
July	Exploring mixtures and their separation	6	• Various techniques which can also be used as separation techniques for mixtures based on the nature of the constituents: • Chromatography • Fractional distillation • Difference between simple distillation and fractional distillation • Applications of fractional distillation	➤ To identify some complex methods as separation techniques for mixtures ➤ To analyse the principle involved in chromatography and accordingly apply the same in day to day activities ➤ To identify applications of chromatography in everyday life. ➤ To differentiate between distillation and fractional distillation ➤ To find applications of distillation and fractional distillation in our day to day life.	➤ To be able to analyse the principle involved in chromatography and identify applications of chromatography in everyday life. ➤ To be able to differentiate between distillation and fractional distillation ➤ To find applications of distillation and fractional distillation in our day to day life.
August	Journey inside the atom	8	• Experiments that led to discovery of electrons, protons and neutrons. • Concept of spectrum and its types • Formation of line spectrum by hydrogen and idea of Rydberg's constant • Achievement of Bohr's model over Rutherford's model • Limitations of Bohr's model.	➤ To understand in detail about the discovery of electrons, protons and neutrons ➤ To apply Bohr's model and explain hydrogen spectrum ➤ To understand formation of line spectrum by Hydrogen ➤ To compare Bohr's model and Rutherford's model of atom	➤ To be able to understand the gas discharge tube experiment for the discovery of electrons, protons and neutrons ➤ To analyse the formation of line spectrum by Hydrogen ➤ To be able to compare Bohr's model and Rutherford's model of atom. ➤ To identify the drawbacks

					in Bohr's model of atom.
November	Atomic foundations of matter	8	• Concept of electronic structures of atoms and explanation of octet rule • Exceptions of Octet rule • Lewis concept of Dot structures • Molecules with incomplete octets as well as expanded octets • Metallic bonding and properties of metals •	➤ To enable students understand the bonding in molecules ➤ To identify application of octet rule in formation of molecules ➤ To analyse the demerits of octet rule with the help of electron deficient and electron excess molecules ➤ To identify existence of bonds other than chemical bonds eg metallic bonds ➤ To study variation in properties of metals ie thermal conductivity, electrical conductivity, malleability and ductility.	➤ To be able to draw Lewis dot structures for molecules explaining bonding in them ➤ Identify molecules not satisfying octet rule ➤ To analyse the properties of metals due to metallic bonding in them.

SURENDRANATH CENTENARY SCHOOL SESSION 2026-27
ANNUAL PEDAGOGICAL PLAN CLASS IX

Subject: Biology

Books: 1.EXPLORATION

2.Science at Advanced level

MONTH	CHAPTER	No. of Pds.	TOPICS	LEARNING OBJECTIVES	LEARNING OUTCOMES
APRIL	CH- 2 Cell: The building blocks of life	12	Recapitulation: A brief knowledge of - Structure of amoeba - Various life process performed by and organisms Academic Vocabulary: - Cell, Prokaryotic, Eukaryotic, Osmosis, Diffusion, Hypertonic, Hypotonic and Isotonic solutions, Cytoplasm, Cell Organelles - Endoplasmic Reticulum, Golgi Apparatus, Lysosomes, mitosis, meiosis What are living organisms made up of? Cell Theory, membrane-structure and function, Osmosis and diffusion, hypotonic, hypertonic and isotonic solutions, - Cell wall- composition and function, Nucleus – Structure and functions, Prokaryotic and eukaryotic cells, Cytoplasm, Cell Organelles - Endoplasmic Reticulum, Golgi Apparatus, Lysosomes - Cell Organelles – structure and functions of Mitochondria, Plastids – Chloroplast, Chromoplast & Leucoplast - Cell Organelles – structure and functions of Endoplasmic Reticulum, Golgi apparatus. Lysosomes. Vacuoles	To help the learner ➤ Compare cell wall and cell membrane ➤ Locate different cell organelles and state their functions ➤ Compare a prokaryotic and eukaryotic cell ➤ Differentiate between types of endoplasmic reticulum and explain their functions ➤ Explain the function of mitochondria in a cell ➤ Relate the functions of lysosomes in a cell ➤ Name the cell organelle responsible for storage, modification and packaging of products in a cell ➤ Compare a plant and an animal cell	Learners will be able to ➤ Explain the structural difference and functions of cell wall and cell membrane ➤ Identify cell organelles and list their functions and correlate the structure with the functions of cell organelles ➤ List the differences between plant and animal cell ➤ Justify the cell as a self – sustaining unit

MAY	CH- 2 Cell the building blocks of life		· Cell Division – Mitosis and Meiosis – stages and process · Comparison and Significance of mitosis and meiosis · Cellular division and cancer • Recent advancement in cell biology ACTIVITY:1 Cell Model Making Make 3D models of plant and animal cells using clay, thermocol, jelly, or even household items. ACTIVITY 2:Cell City ANALOGY Create an analogy comparing a cell to a city (e.g., nucleus = city hall, mitochondria = power plant).	➤Elaborate the role of chromosomes during cell division ➤Explain mitosis and meiosis and compare the two types of cell division	➤Explain the role of chromosome in inheritance ➤List the type of cell division-
JUNE	CH- 3 Tissues in action	20	Academic Vocabulary: Tissue, Meristematic Tissue, Parenchyma, Sclerenchyma, Collenchyma, Stomata, Cork, Epidermis, Xylem, phloem, Epithelium, connective tissue, Muscular tissue, Nervous tissue, Tendon, ligament, cartilage, Areolar, Adipose, striated, cardiac · Are Plants and Animals made of same types of Tissues? Plant Tissues- Meristematic tissues, Features of meristematic cells, Location and functions of meristematic tissues ACTIVITY 1:Case study: based on meristem · Permanent Tissues-Features and Classification, Simple permanent tissues- Parenchyma, Collenchyma, Sclerenchyma (Comparison and Functions), Structure and Functions of – Epidermis (osmosis and protection) and Stomata, Cork- impervious nature ACTIVITY 2: <u>Subject Enrichment:</u> To observe temporary mount of onion peel and cheek cells	➤Classify the meristematic tissue based on their location in the plant body ➤Describe the locations and functions of meristematic tissue in plants ➤Compare parenchyma, collenchyma and sclerenchyma ➤Explain functions of simple permanent tissues ➤Describe the functions of epidermis and stomata	➤Identify the various types of plant tissues ➤List functions of various types of plant tissues Compared meristematic and permanent tissues ➤Draw and label the locations of plant tissues on the body of plants ➤Explain the role of protective layer- epidermis and stomata

JULY	CH- 2 Tissues in action SDG: 3 Good Health and Well Being Ch 9: Microscope and Microscopy (advanced)	2	- Complex Permanent Tissue – Xylem and Phloem- their components (Comparison of structure and functions) - Tissues, levels of organization, Comparison of plant and animal tissues - Animal tissues- Features and types, Tissues designed to perform the functions in animals - Classification of animal tissue – epithelial, muscular, connective and nervous <u>ACTIVITY1: Group discussion-</u> “Most of the tissues in plants are dead whereas living in animals” <u>ACTIVITY 2: Live Demonstration of Capillarity</u> (Xylem Function) Advanced Microscopes Activity: Compare images of light vs electron microscope.	➤ Identify the types of complex permanent tissues and their functions ➤ Classify animal tissue ➤ Compare the tissues present in plants and animals ➤ Understand advanced microscopy techniques. Compare light microscope with electron microscope.	➤ List various types of complex permanent tissues and their functions ➤ Classify animal tissues into epithelial, muscular, connective and nervous ➤ Compare various types of animal tissues Compare different microscopes in tabular form. Explain applications in research and medicine.
AUGUST	CH- 2 Tissues in action Ch 9: Microscope and Microscopy (Advanced)		Animal Tissues – Epithelial Tissue: Features, Types, Location and Functions HOTs: Correlate the location of epithelial tissues with their functions Connective Tissue: areolar, adipose, tendon, ligament, bone, cartilage, blood and lymph - Features, Location and Functions Muscular Tissue: Striated, smooth and cardiac muscles- Features, Location and Functions Nervous Tissue: Features, Types, Location and Functions, Stimuli and responses Elementary idea of musculoskeletal system Care of musculoskeletal system: injuries, postural care, nutrition and exercise <u>ACTIVITY 1: Microscopic Observation of Tissues</u> Observe prepared slides of onion cells, muscle tissue, blood smear, sclerenchyma, etc Practical Skills	➤ Correlate the structure of epithelial tissue to their functions in an organism ➤ Describe different types of connective tissues and relate their structure to specific functions ➤ Compare the structure of different types of muscular tissues and relate their functions ➤ Describe the structure of a neuron and explain the functioning of nervous Explain the importance of yoga exercises for physical agility and in maintaining the correct posture Develop laboratory skills in slide preparation. Learn correct handling and focusing techniques. Apply theoretical knowledge in	➤ List the functions of various types of animal tissues ➤ Draw labelled diagrams of epithelial, connective, muscular and nervous tissues ➤ Connect structure of a tissue with its functions ➤ Discuss significant contributions of India, for example, Professor Sipra Guha Mukherjee and Professor S.C. Maheshwari for their significant contribution in the plant cell and tissue culture research in India Discuss the techniques and medical recommendations in recovery from muscular

				practical situations.	injuries Prepare temporary slides independently. Focus microscope correctly and observe specimen. Record observations systematically.
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SEPTEMBER	CH- 11 Reproduction how life continues Ch 10: Engineering Life: Miracles in Biotechnology (Advanced)	13	Recapitulation: A brief knowledge of Comparative study of living and non living things Academic Vocabulary: Reproduction, DNA Copying, Variation, Asexual Reproduction, Sexual Reproduction, Fission Budding, Fragmentation, Regeneration Spore Formation, Vegetative Propagation Gametes, Pollination, Fertilisation, Zygote Embryo, Placenta, Puberty, Menstruation, Contraception, STDs, Reproductive Health Introduction to different forms of reproduction — sexual and asexual • Types of asexual reproduction with examples • Sexual reproduction in flowering plants (flower and its parts, pollination, fertilisation, seed dispersal) ACTIVITY- 1 Subject Enrichment Dissect a bisexual flower (like Hibiscus or Datura). Identify and separate the sepals, petals, stamens (Anther/Filament), and pistil (Stigma/Style/Ovary). Stick the parts on a sheet, label them, and write the function of each part in the fertilisation process Introduction to Biotechnology Activity: Brainstorm uses of biotechnology in daily life. Case Study: How insulin is produced using biotechnology	➤ Compare asexual and sexual reproduction ➤ Explain how variations are introduced by sexual reproduction ➤ Describe male and female reproductive organs in plants and animals ➤ Differentiate between ovule and seed, ovary and fruit ➤ Explain pollination and fertilisation ➤ Analyse the interactions between members of different groups of organisms, such as plants and pollinators ➤ Understand basic concept and scope of biotechnology. Identify applications in daily life. Develop curiosity about modern biological technologies.	➤ Explain the significance of reproduction in ensuring the continuity of species and population stability. ➤ Differentiate between asexual and sexual modes of reproduction based on parental involvement and genetic variation. ➤ Describe various asexual methods such as fission, budding, fragmentation, and vegetative propagation with examples. ➤ Define biotechnology with examples. Identify areas where biotechnology is used. Connect biotechnology with real-life problems
OCTOBER	CH- 11 Reproduction how life continues Ch 10: Engineering Life: Miracles in		Sexual reproduction in humans: male and female reproductive systems (structure and function, formation of gametes, sperm and egg, fertilisation, pregnancy and development of embryo, menstrual cycle) • Reproductive health and hygiene • Introduction to birth control methods and importance ACTIVITY – 2 Research STDs (like HIV/AIDS or Warts) and Contraceptive Methods (Mechanical, Chemical, Surgical). Create an informative poster explaining the importance of Reproductive Health and the myths surrounding it. Skills: Curiosity and critical thinking	➤ Illustrate the structure of male and female reproductive units or systems in plants and animals ➤ Recognise the significance of contraceptive devices for population control and health including reproductive health	➤ Identify the parts of a flower and explain the processes of pollination and double fertilisation in plants. ➤ Examine the human reproductive system, identifying the functions of male and female organs and the role of gametes. ➤ Understand the menstrual cycle and the physiological ➤ Explain role of DNA and enzymes in biotechnology. Describe basic steps of genetic manipulation.

	Biotechnology (Advanced)		Tools of Biotechnology Activity: DNA extraction from banana (simple experiment) Project: Poster on DNA	➤ Understand structure and role of DNA, enzymes, vectors. Analyze how tools are used in genetic engineering. Develop scientific reasoning.	Draw and label diagrams of DNA.
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NOVEMBER	CH- 12 Patterns in life Diversity and Classification Ch 10: Engineering Life: Miracles in Biotechnology(Advanced)	13	<u>Academic Vocabulary:</u> Biodiversity, Classification, Taxonomy, Evolution Hierarchy of Classification, Binomial Nomenclature Kingdom, Phylum (Animals) / Division (Plants) Class, Order, Family, Genus, Species, Monera, Protista Fungi, Plantae, Animalia, Thallophyta, Bryophyta Pteridophyta, Gymnosperms, Angiosperms (Porifera, Coelenterate, Platyhelminthes, Nematoda Annelida, Arthropoda, Mollusca, Echinodermata Chordata (Vertebrata), Pisces, Amphibia, Reptilia Aves, Mammalia • Importance of classification- • Five kingdoms and their key features with examples Genetic Engineering Case Study: Golden Rice – solving Vitamin A deficiency Activity: Flowchart of gene transfer	➤ Distinguish organisms based on certain characteristics, such as number of cells present, cellular organisation and mode of nutrition ➤ Classify various organisms in groups, such as five kingdoms, on the basis of their cellular organisation and ecological role ➤ Understand concept of recombinant DNA technology. Analyze steps involved in gene transfer. Develop logical thinking in biological processes.	➤ Explain the importance of classification in understanding the vast variety of life forms on Earth. ➤ Identify the hierarchy of classification, including Kingdom, Phylum/Division, Class, Order, Family, Genus, and Species. ➤ Analyze the basis of classification, such as cell type (Prokaryotic vs. Eukaryotic), body organization, and mode of nutrition. ➤ Explain rDNA process step-wise. Interpret flowcharts of gene transfer. Apply knowledge to solve case-based questions.
DECEMBER	CH- 12 Patterns in life:Diversity and classification Ch 10: Engineering Life: Miracles in Biotechnology(Advanced)		Major division of animals and plants • Binomial nomenclature • Acellular entities: viruses Group discussion- ACTIVITY1: Activity: Permanent Slide Observation. Task: Observe slides of Amoeba (Protista), Bacteria (Monera), and Spirogyra (Thallophyta) under a microscope. Draw the labelled diagrams based on your actual observations, noting the presence or absence of a defined nucleus.	➤ Describe the significance and rules of binomial nomenclature ➤ Apply binomial nomenclature on some common organisms in their surroundings ➤ Analyse the interactions between members of different groups of organisms,	➤ Distinguish between Animal Phyla (e.g., Porifera, Arthropoda, Mollusca) based on body symmetry, coelom, and level of organization. ➤ Recognize the features of Vertebrata, including the five classes: Pisces, Amphibia, Reptilia, Aves, and Mammalia. ➤ Apply Binomial Nomenclature to understand how scientific names are assigned to

			Skills: Curiosity and observation Applications Project: Biotechnology in medicine/agriculture (group work) Activity: Debate – Is GM food safe?	such as lichens ➤ Discuss ecological role of diverse organisms ➤ Recognise three domains of classification of organisms on molecular basis ➤ Explore applications in medicine, agriculture, industry. Develop awareness about societal impact. Analyze benefits and risks.	organisms globally using Genus and Species. ➤ Relate evolution to classification, understanding how body designs change over time for survival. Explain applications with examples. Compare advantages and disadvantages. Evaluate impact on society.
JANUARY	CH- 1 & 2 Cell the building blocks of life& Tissues in action Ch 10: Engineering Life: Miracles in Biotechnology (advanced)SAAA	12	· Cell structure and functions · Mitosis and meiosis · Plant and animal tissues Ethics & Biosafety Case Study: Cloning (Dolly sheep) – boon or bane? Activity: Role play on ethical dilemma	➤ Develop awareness about ethical issues. Analyze biosafety concerns. Encourage critical thinking and decision making.	➤ Concept map on Cell Organelles ➤ HOTs questions on mitosis and meiosis ➤ Evaluate ethical concerns logically. Justify opinions with reasoning. Participate in debates and role plays.
FEBRUARY	CH- 3and 4 Reproduction how life continues and Patterns in life Diversity and classification	6	· Asexual and Sexual reproduction · Types of Reproduction ,STD and Diseases · Population Control		➤ SAQ,LAQS, ➤ Assertion Reason ➤ HOTS ➤ Concept map

SURENDRANATH CENTENARY SCHOOL
SESSION – 2026-27
ANNUAL PEDAGOGICAL PLAN
CLASS - IX

Subject- HISTORY AND POLITICAL SCIENCE Book - SOCIAL SCIENCE PART-1 (NCERT) SOCIAL SCIENCE PART-2 (NCERT)					
Month	Chapter	No. of pr.	<u>Topics</u>	Learning Objective	Learning Outcome
April '26	Understanding social science Democracy	12	•Meaning,scope and relevance of SOCIAL SCIENCE •Understanding Social Science from an Indian perspective. •Meaning ,features and types of Democracy	Familiarise students with: The important phases in the Indian history. Draws insight to understand present day India. Understand the Indian Constitution and explores the essence of Indian democracy The characteristics of a democratic government.	Students will be able to: .Explain the relevance of studying Social science to understand society, environment,economy's me governance in our lives. Explain the meaning and scope of history, Political science. Appreciate diversity inclusivity, sustainability and equity as disciplines.
May '26	Democracy	6	Type of democracy Roots of democracy Challenges to democracy in India Democratic systems in the world.	How the Indian constitution draws from the great cultural heritage and common aspirations of the Indian nation,and recalls India's early experiments with democracy (assemblies in mahajanapadas ,kingdoms and empires at several levels of the society,guilds,sanghas and Banas,village councils and committee and uthiramerur inscriptions.	Understand the features of democracy Appreciate early democratic traditions Differentiate between Parliamentary and presidential system. Identify examples of both systems.

June '26	Beginning of Civilization	6	Cultural development from 2 million yrs ago. till Mesopotamian Civilization and Chinese civilization.	How the Indian ethos and the cultural integration across India did not attempt uniformity, but respected and promoted a rich diversity in Indian society, and how the harmonisation and unity in diversity, with a historical respect for all cultures, women have counted among India's great strengths by promoting peaceful coexistence.	Describe how prehistoric time divisions are organised Explain how humans lived before the invention of writing. Explore the factors of urban development and transformation through time. Understand the diversity of food habits.
July '26	State and society(up to 1000 CE)	12	Vedic age Administrative structure of early empires. Quest for knowledge Traders and trade routes	Factors of Vedic facets of Vedic society and polity. Achievements of Indian empires and their cultural legacy. Foundations of the Indian social and political institutions and their continuity.	Explain various factors of Vedic facets of Vedic society and polity. Appreciate the achievements of Indian empires and their cultural legacy. Understand the foundations of the Indian social and political institutions and their continuity.
August '26	Elections	12	Factors of importance of elections Electoral system Delimitation Commission Election Commission of India Party system in India	Factors highlighting importance of elections in a democracy. There types of elections in a democracy. Major laws that govern conduct of elections in India Role and functions of election commission of India Constituency electoral roll, enumerator. Party system in India.	Identify the factors highlighting importance of elections in a democracy. Categorise three types of elections in a democracy Identify the major laws that govern the conduct of elections in India Describe the main provisions of the Representation of the People's Acts
September '26	History Lesson- 1,2,3 Political science	6	Revision for exam	Half -yearly Examination	-----

	Lesson- 1&2				
October '26	Building Resilient India (1000-1700CE)	6	Safeguarding Sovereignty Development of Art and Architecture, languages, and literature	Cultural, Political and military contributions of regional kingdoms in the medieval India. Diverse communities and regions shaped India's history from 1000CE to 1700CE. Continuity of the civilisational history of India as a nation up to the 18th century.	Explain the cultural, political, and military contributions of regional kingdoms in the medieval India. Appreciate how diverse communities and regions shaped India's history from 1000CE to 1700CE Analyse the continuity of the civilisational history of India as a nation up to the 18th century.
November '26	Authority	12	The roots of authority in Kautilya and Shukrantidanda and relationships with Nyaya and Bala. Constitutional status of Justice and security since ancient times Types of authority- functional, sensitive, and welfare oriented.	Roots of authority in Indian Political thought. Evolution of authority structures in India. The post Independence concept of Justice and security.	Explain the roots of authority in Indian Political thought. Trace the evolution of authority structures in India Understand the post Independence concept of Justice and security Illustrate types of authority
December '26	India and the world-class (1900BCE-1200CE)	8	Trade and commerce--trade with Mesopotamia, Greece, Roman Empire, China and Southeast Asia	India's relations with early civilization of the world. Major articles of trade and the major trading ports.	Explore India's relations with early civilization of the world. Identify the major articles of trade and the major trading ports.
January '27	India and the world - 1 (1900CE-1200)	12	Cultural connections—Interactions with Greece and Rome Central Asia, China and influence on South Asia Indian knowledge systems.	Significant contributions of India in diverse spheres in an integrated manner. Influence of Indian religion and culture in Southeast Asia.	Appreciate the significant contributions of India in diverse spheres in an integrated manner. Appreciate the influence of Indian religion and culture particularly in Southeast Asia

February '27	History: Lesson- 3,4,5 Political science: Leson- 1,2,3	6	REVISION	ANNUAL EXAMINATION	
March '27			-----	. ANNUAL EXAMINATION	

SURENDRANATH CENTENARY SCHOOL, RANCHI

SESSION- 2026-2027

ANNUAL PEDAGOGICAL PLAN

CLASS- IX Part – 1

SUBJECT: GEOGRAPHY AND ECONOMICS

BOOK: NCERT

Month	Theme (time allocation in instructional hours)	Learning Objectives/Outline concepts	Learning Outcomes and competencies Students will be able to :
April '26	Understanding Social Science (4 Hours)	• Meaning, scope and relevance of social Science. • Understanding Social Science from an Indian perspective	• Explain the relevance of studying social science to understand society environment economy and governance in our lives. • Explain the meaning and scope of geography and economics as a discipline and recognized and their interconnection. • Appreciate and diversity, sustainability and values when studying society and making decisions.
April '26	Shaping of the Earth's Surface (8 Hours) Building Blocks in Economics.	• Theory of plate tectonics • Interior of the Earth • Role of weathering and erosion: agents of gradation-river, waves and currents, wind, glaciers, and underground water. • Scarcity of resources, • Opportunity cost and the need for making choice. What do economics do?	• Describe the concept of plate tectonics and analyze its relevance in understanding Earth's dynamics • Locate major tectonics plates on a world map. • Explain the meaning of scarcity, choice, and opportunity cost in everyday life and economic decision making.
May '26	Shaping of the Earth's Surface (8 Hours) Building Blocks in Economics.	• Landforms and disasters: earthquakes, landslides, avalanches, Glacial Lake Outburst Flood (GLOF) and duststorns.	• Identify the prominent agents of gradation operating in a given region. • Explain processes of weathering and erosion with suitable examples

		What to produce, how to produce and for whom to produce?	- Describe major landforms and explain the processes involved in their formation. - Recognize how economic analysis helps in policy making and solving real world issues.
June'26	Shaping of the Earth's Surface (8 Hours) Building Blocks in Economics.	Activity: 3 D Model- The interactive boundary. The ring of fire – Data mapping projects. - Difference between market, centrally planned and mixed economic systems - Welfare economy.	- Explain the causes of natural disasters and propose strategies for their mitigation - Identify the differentiate the characteristics of planned, free market and mixed economic systems. - Explain the concepts of a welfare economy and the importance of social safety nets.
July'26	Atmosphere and Climate (7 Hours) The Prices Puzzle: What Drives the Market (8Hours)	- Structure and composition: Elements of weather and climate. - The laws of demand and supply.	- Explain the different atmospheric layers and represent them using sketches and diagrams. - Explain the law of demands and law of supply with the help of real-life examples.
August '26	Atmosphere and Climate (7 Hours) The Prices Puzzle: What Drives the Market (8Hours)	- Seasons of India and monsoons, - Real-world deviations from textbooks theory, such as incase of necessity luxury goods perishable items, and expectations. ROLE PLAY- HIGH DEMAND LOW SUPPLY	- Observe and analyze local winds and their impact. - Understand the impact of he Indian monsoon on life, agriculture, and livelihoods across different regions. - Interpret how changes in price effect the quantity demanded and quantity supplied of goods and services. - Identify the equilibrium price and quantity where demand and supply intersect.
September'26	Atmosphere and Climate (7 Hours) The Prices Puzzle: What Drives the Market (8Hours)	- Climate change, Floods, Carbon footprint. - Some related concepts-price ceilings and market failures (externalities information asymmetry, public goods) PROJECT ON CLIMATE CHANGE.	- Explain the causes and effects of climate change. - Represent climatic data (temperature, Rainfall etc.) through appropriate graphs, charts or diagrams. - Analyze how climate change and influences the frequency and intensity of natural disasters. - Explain the concepts of price ceiling and how they can lead to shortage or black markets. - Understand markets failures and identify their main types.

			• Understand public goods (non-excludable and non-rival goods like parks or street lighting)
PART 2			
October'26	Oceans and Life (7 Hours) Authority (10 Hours)	• Introduction to ocean relief, movement of ocean water- waves tides and currents. • Marine resources and their significance; Open seas, navigation fishing and livelihood concerns and challenges. • The Roots of authority: in Kautilya and shukraniti - danda and relationship with nayaya and bala: the types of nyaya and bala • Constitutional status of justice and security since ancient times. • ROLE PLAY : Kautilya's court	• Explain the movement of ocean waters including waves, tides and currents. • Analyze the connections between ocean currents and global and regional climate patterns. • Understand the importance of marine resources for human livelihoods and ecosystems. • Examine the relationship between oceans climate livelihoods and natural disasters. • Explain the roots of authority in Indian political thought. • Interpret the relationship between Danda (discipline/force) and Nyaya(justice) as the twin foundations of authority, development and security • Trace the evolution of authority structures in India.
November'26	Oceans and Life (7 Hours) Authority (10 Hours)	• Cyclones and Tsunamis-early warning systems. • International maritime rules and regulations • Links the role of citizens with the elections and the democratic institutions, • Types of authority – functional, sensitive and welfare oriented	• Highlights key rules, Conventions, and international agreements governing ocean navigation and use of marine resources. • Explain the need for international cooperation and agreements in the sustainable use of ocean resources. • Construct models or sketches representing ocean relief. • Understand the post-independence concept of justice and security. • Illustrate type of authority. • Develop an understanding of citizen discipline, justice and strength. • Illustrate the role of citizen in authority.
December'26	Life on Earth (7 Hours) From Ideas to Startups (8 Hours)	• Biomes: Distribution and characteristics; biosphere reserves in India. • Forest and ecotourism; forest dwellers; their livelihoods and challenges. • Forest and wildlife conservation. • Government efforts to support forest dwellers.	• Identify the major biomes of the world and describe. • Locate biosphere reserves on the map of India. • Appreciate local traditional practices related to biodiversity conservation and analyze their effects. • Analyze the concept of ecotourism and discuss its role. •

		• A PROJECT ON MSME.	
January '27	Life on Earth (7 Hours) From Ideas to Startups (8 Hours)	• What is entrepreneurship and explain the resources required to start business, • Case studies of successful entrepreneurs • Creative destruction with examples. • Start-up ecosystem in India. • Make in India initiative, role MSMEs and the unorganized sector in India's economic growth. • Stages of starting and executing a business idea through a business plan. • Some basic accounting concepts.	• Define entrepreneurship and explain its importance innovation, job creation and economic growth. • Analyse real world examples of successful entrepreneurs. • Describe the features of India's start-up ecosystem and initiatives like Make in India, Start-up India, Digital India. • Recognize the role of Micro, Small and Medium Enterprises and the unorganized sector in promoting employment innovation and inclusive growth. Understand simple profit and loss. Identify the key components of a balance.
February '27	Revision		

SURENDRANATH CENTENARY SCHOOL, RANCHI
ANNUAL PEDAGOGICAL PLAN (2026-2027)

CLASS: IX SUBJECT: ARTIFICIAL INTELLIGENCE(417)			BOOKS : Artificial Intelligence by Avartan Supplement:- AI Facilitator Handbook by CBSE.		
	CHAPTER	No. of Periods	Topic	LEARNING OBJECTIVES	Learning Outcome
APR.	PART B:- Ch 1: AI Reflection, Project Cycle and Ethics contd... SDG – Sustainable Cities and Communities	8	- History of AI - Task Domains of AI - Types of AI - Advantages of AI - Limitation of AI - Application of AI - Realms of AI - AI in everyday life	To help the learners *To identify and appreciate AI and describe its application in daily life. * To identify and interact with three domains of AI. * To unleash their imagination towards smart homes and build and interactive story around it.	Learners are able to * Understands basic concept of AI. * Discuss about three domains of AI. * Enlist realms of AI. * Identify the usage of AI in day to day life.
MAY	Ch 1...Contd....	4	- Understanding AI Project Cycle 4W Problem Canvas - AI Ethics Subject Enrichment- Ice Breaker Activity 1 in Page no 144.	* Identify the AI Project cycle framework, stakeholders involved in the problem scoped. *Foresee the kind of data required and the kind of analysis to be done. * To Discuss about 4W canvas and find it relevancy	* Elaborate different phases of AI project cycle and connect it with real world and see how AI is of great help. Identify the ethical concern occurs due to presence of AI and how to mitigate them.
JUNE	Ch 2:- Data Literacy SDG:- Quality Education	4	- Introduction to Data Literacy - Data Privacy and Security - Cyber security - Acquiring, Processing and Interpreting Data - Data Pre-processing - Data Visualisation	* To enable students to understand the significance of data, how it is collected, processed, and interpreted, and how it serves as the foundation for Artificial Intelligence systems.	* Understand the role and importance of data in the functioning of AI systems. They will be able to collect, organize, analyze, and interpret data, while also recognizing issues like data bias and data quality.

JULY	Ch 3:- Mathematics for AI. Life Skills – Logical Thinking	8	• Role of Mathematics in AI development • Numeric Data Types. • Different Mathematical Techniques. • Finding pattern in numbers and images • Application of Statistics • Stages of Statistical Evaluation • Probability • Application of Probability AIL:-Data Visualisation using https://public.tableau.com	To equip students with foundational mathematical concepts such as logic, statistics, and probability that are essential for understanding and applying Artificial Intelligence techniques.	To apply these concepts to analyze data patterns, make predictions, and support simple AI-based decision-making.
AUG.	PART A:- Ch 1:- Communication Skills-I Ch 2:- Self Management Skills-I Ch 3:- ICT Skills-I	8	• Introduction to Communication • Types of Communication • Self Management • Strength and Weakness Analysis • Self Confidence • ICT Tools • Basic Component of a computer system • Hardware and software • Communication and networking Activity:- Online Self awareness Test	* To learn the importance of communication skills in personal and professional life. * To understand how self awareness is important for any individual. * To identify the basic utility of computer applications.	Student are able to use communication and self management skills to minimize the risk of Stress in our life, Use computer and its basic tools to get more familiar with their usage in real life
SEP.	Part A- Ch 1,2 and 3 Part B- Ch 1,2 and 3	4	Practical Test / Oral Test / Revision Term-I/Half yearly Examination		
OCT	PART B:-Ch 4 Introduction to Generative AI contd... SDG – Industry, innovation and Infrastructure.	8	• Introduction • Supervised Learning and Discriminative modelling • Unsupervised and Generative modelling • Timeline of Generative AI • Characteristics and importance of G.AI. • Conventional VS G. AI • Types of G.AI Practical – Python Subject Enrichment Activity:-Game 1,2 and 3 from Ch 4	* To introduce students to the concepts, evolution, and applications of Generative AI, including its types, characteristics, and differences from conventional AI.	* Students are able to explain the fundamentals of Generative AI, differentiate it from conventional AI, and identify its types, timeline, and real-world significance.

NOV	Ch 4 Introduction to Generative AI contd... PART A:- Ch 4:- Entrepreneurship Skills-I Ch 5:- Green Skills-I	8	G. AI Tools - Benefits and Limitation of G.AI - Ethical Consideration of using G.AI - Potential Negative impact on society - Responsible use of G. AI - Future Trends in G.AI - Practical- Python Entrepreneurship, Qualities of an Entrepreneur, Diff b/w business and entrepreneur Society and Environment, Environmental Protection and conservation, sustainable development and green economy.	* To help students understand the tools, benefits, limitations, ethical concerns, and societal impacts of Generative AI, along with promoting its responsible use and exploring future trends. * To introduce students to the concept of entrepreneurship, its key qualities.	* Students are able to identify popular Generative AI tools, evaluate their advantages and drawbacks, discuss ethical and societal implications, and describe ways to use Generative AI responsibly while anticipating future developments. * Students able to define entrepreneurship, list essential qualities of an entrepreneur, and distinguish between an entrepreneur and a businessperson with real-life examples.
DEC	PART B Ch 5:- Introduction to Python.	6	- Data Types - print() and input() - Indentation - Statement, Expression in python - Operators - Control structure - Conditional and iterative statement - List Operation Experiential Learning:- Learning Programming concept using https://codecombat.com	To familiarize students with foundational Python programming concepts such as data types, input/output functions, control structures, and list operations, enabling them to write simple, structured programs.	Students will be able to identify different data types, use print() and input() functions, apply indentation rules, write expressions and statements, use operators, implement conditional and iterative structures, and perform basic list operations in Python.
JAN	Part A:- Ch 1 to 5 Part B:- Ch 1 to 5	8	- Revision of Term II Syllabus - Practical Exam - Viva Art Integrated Learning:-Generation of Music using AI :- https://experiments.withgoogle.com/instrument-playground		
FEB			Annual Examination		

SURENDRANATH CENTENARY SCHOOL**SESSION- 2026-27****ANNUAL PEDAGOGICAL PLAN****Subject – Art Education****CLASS-IX****Book- Madhulika**

Month	Chapter	No. of periods	Topics	Learning Objective	Learning Outcome
April'26	Fundamentals of Visual Arts	4	•Basics of Art	To enable the learner to: •Understand the concepts behind art •Explore the uses of art in history	Learner will be able to: •Know the plot behind making of art
May'26	Basic elements of Art	2	•Essentials for creating an art	To enable the learner to: •Explore the requirements for making an artwork	Learner will be able to: •Gain knowledge about the necessities of art
June'26	Colour mediums in Visual Art	2	•Types of colour • Colour gradation	To enable the learner to: • Explore different colour mediums •Differentiate between primary, secondary and tertiary colours.	Learner will be able to : •Explore various tints and shades •Explore the differences in colour moods,
July'26	Lines and strokes	4	•Lines and strokes •Shapes and Forms	To enable the learner to:	Learner will be able to:

				• Acquire knowledge about different lines and hence formation of various strokes • Gain knowledge about shape formations and types of forms	• Form strokes that help In pencil shading. • Explore various forms that are acquired from single shape.
August'26	Colour Wheel	4	• Types of colours • Use of colour wheel	To enable the learner to: • Differentiate between primary, secondary and tertiary colours • Explore the use of these colours	Learner will be able to : • Explore about mixing of colours and forming multiple shades
September'26	Core Techniques of Visual Art	4	• Techniques to create an artwork	To enable the learner to: • Discuss about the essential tools and practices to create an artwork.	Learner will be able to : • Enlist materials and process as per the art work,
October'26	Warm and Cool colours	3	• Use of warm and cool colours	To enable the learner to: • Acquire knowledge about nature of colours	Learner will be able to: • Understand the nature of different colour and its use

				• Explore colours based on composition	
November'26	Tint and Shades	3	• Making of Tint and Shade colours • Shading with these colours	To enable the learner to: • Explore shades of primary and secondary colours	Learner will be able to : • Explore shades of known colours • Improve shading skills
December'26	Perspective	3	• Three dimensional visualisation of the composition	To enable the learner to: • Observe the ideal angles for placing components of a composition	Learner will be able to: • Explore use of dark and light. • Observe the use of depth
January and February '27	Branches of Visual Arts	5	• Classification of Visual Arts	To enable the learner to: Understand the different spectrums of Visual Arts	Learner will be able to: • Acknowledge the use of Visual art in technology and society.

SURENDRANATH CENTENARY SCHOOL
SESSION – 2026 -27
ANNUAL PEDAGOGICAL PLAN
CLASS IX

ART EDUCATION (MUSIC).			NCERT - MADHURIMA		
Month	Chapter	No. of pr.	Topics	Learning Objective	Learning Outcome
April '26	Music and us	4	Introduction to music with swar, Sargam, alankar and notations.	To enable learners to - interpret the real meaning of music. - to classify the swar, sargam, alankar and notations.	Learners will be able to - summarise the history of music. - carry out proper swar, sargam, alankar and organize notations
May '26		2	Various Vidhaas in music.	To enable learners to Active Listening to a selection of music across various Vidhaas or genres.	Learners will be able to Recognise the knowledge about a musical composition using general vocabulary of music.
June '26		2	- Music and personal expression. - Develop interest in Music.	To enable learners to Create a personal playlist of songs that are in their mind and connect them to the mood and concept of navarasa..	Learners will be able to Build their concept to describe how music is an integral part of personal and collective expression.

July '26		4	• Exploration of themes in folk music.	To enable learners to • Examine the lyrics of folk songs to learn more about a region and the various themes described in folk music.	Learners will be able to • Describe the thematic content and emotions expressed in folk music. Create and sing a piece of music that expresses a family history, tradition or practice.
August '26	The Science of Music.	4	• The Science of Music Integration of music with other subjects like Physics, mathematics, Biology etc.	To enable learners to • Experiment with varying the length of a string to manipulate frequency (Physics) • Introduce the anatomy and physiology of the human vocal system. Breathing exercise and vocal warm-ups. (Biology) • Introduce how concepts of counting use in different taals. (Maths)	Learners will be able to • Describe and demonstrate how sound is produced and manipulated. • Demonstrate the role of the three main subsystems involved in voice production. • Explain how rhythmic patterns are created from various counting. •
September '26	Ragas and Talas.	2	• Swarasthanas of Indian Classical Music. • Raga classification system.	To enable learners to • Revisiting Basic Elements and Swarasthanas of Indian Classical Music. • Raga jaatis (audava, shadava and sampurna)	Learners will be able to • Identify and demonstrate the 12 notes position. • Describe the concepts of Raga classification system with examples.

October '26		4	• Basic Definitions(Thaat and melakarta system,taal,vadi,samvadi,a nuvadi,vivadi ,lay,taal,aaroh,avroh,tali,kh ali,matra,sangeet,sargam,saptak,alankar. • Hindustani and Carnatic raga and shankarabharanam. • Raag- (Bilaval)	To enable learners to • Understand Definitions related music. • Interpret Hindustani raag and carnatic music.	Learners will be able to • Explain about different types of definitions. • Speak about the raag and also will be able to sing the notes of one raag each from Hindustani and Carnatic Music
November '26		4	• Hindustani and Carnatic Taal (Teen taal,Jhaptaal) (Aadi,Rupaka)	To enable learners to • Interpret different Hindustani and Carnatic Taals. • Activity -a piece of music as per the taal cycle.reflect on the process of writing a lyrics and setting it to a taal.	Learners will be able to • distinguish between different taals.
December '26	Music Travels Around the World.	4	• Introduction to how migration influences music. • Building a memory box of songs.	To enable learners to • Introduction to how migration influences music • Examples of music styles that have resulted from migration (eg.Chutney,UK Bhangra etc.	Learners will be able to • Discuss how migration has influenced world and Indian music

January '27 and February		5	• Collaboration and Impact of Indian music on other types of music around the world.	To enable learners to • Families of musical instrument with similar features across the world. • Lute family and Flute family. • Activity -Examine the similarities and differences between related instruments in terms of their structure and sound.	Learners will be able to • Describe the various ways in which musical instruments can be categorised. • Identify and group musical instruments into similar families.
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Surendranath Centenary School
SESSION- 2026-27
ANNUAL PEDAGOGICAL PLAN
CLASS IX

ART EDUCATION (DANCE)					
NCERT - MADHURIMA					
Month	Chapter	No. of pr.	Topics	Learning Objective	Learning Outcome
April ' 26	Components of dance- Posture Footwork Bodylines Rhtym and tempo	4	☐ Importance of dance ☐ Basic body movements & stretching ☐ Introduction to Navarasas	To enable learners to ☐ Understand body alignment, posture, and basic rhythmic patterns (Taal/Laya).	Learners will be able to ☐ Students will demonstrate correct posture and execute basic footwork patterns accurately.
May '26	Cultural Through Dance various Folk Dances	2	* Meaning and importance of folk dance - Difference between folk and classical dance - Role in festivals, culture, and traditions	To enable learners to ☐ Social Responsibility Research and perform a regional folk dance, focusing on its social and agricultural significance.	Learners will be able to ☐ Students will explain the cultural context of a specific folk dance and perform its core steps.
June '26	Major Body Parts Used in Dance	2	☐ Head positions (up, down, side, circular) Eyes, ☐ eyebrows, lips movement ☐ Hand gestures (basic mudras)	To enable learners to ☐ Learn the importance of warm-ups, cool-downs, and injury prevention in dance	Learners will be able to ☐ Students will design a 10minute safe warmup routine for their peers.

July '26	Rhythm and Taal	4	* Introduction to Taal - Clapping patterns (Teentaal basic) - Coordination with music	To enable learners to * Numeracy Analyze complex time signatures and translate mathematical patterns into rhythmic movements.	Learners will be able to * Students will create a rhythmic sequence using fractional beats (e.g., $\frac{1}{2}$ or $\frac{1}{4}$ beats).
August '26	Patriotic Expression	4	* Expression of patriotism through dance - Group choreography - Performance preparation	To enable learners to * Choreograph a group piece based on a national theme using contemporary or classical styles.	Learners will be able to * Students will work in teams to synchronize a 3-minute performance .
September '26	Dance as visual Storytelling Navarasas	2	*. Introduction the Navarasas Types of rasas (9 emotions) - Facial expressions (Abhinaya)	To enable learners to * Explore the nine emotions Navarasas) through facial expressions (Abhinaya) and gestures.	Learners will be able to ☐ Students will effectively communicate a specific narrative or emotion without using words

October '26	Classical dance Elements	4	* Basics of Kathak Chakkars (spins) Simple composition	To enable learners to Learn fundamental techniques like Tatkar (footwork), Adavus (basic steps), and Chakkars (spins) Identify and practice Hasta Mudras (hand gestures)	Learners will be able to * Perform basic steps of classical dance with accuracy and rhythm Demonstrate simple Chakkars and hand movements with coordination
November '26	Basic Steps & Postures	4	- Basic footwork (Tatkar – Kathak / Adavus – Bharatanatyam) - Hand gestures (Hasta Mudras) - Body alignment	To enable learners to - Understand the importance of basic steps and footwork in dance - Learn fundamental footwork like Tatkar (in Kathak) and Adavus (in Bharatanatyam)	Learners will be able to - Perform basic footwork patterns with proper rhythm and timing. - Maintain balance and posture while executing steps
December '26	Creative Dance & Choreography	4	- Creativity in movement - Formation and spacing Short group dance creation	To enable learners to - Explore improvisation and create their own movements - Learn basic elements of choreography: space, time, energy, and formation.	Learners will be able to - Demonstrate use of formations, levels, and spacing. - Synchronize movements with music and rhythm

January '27 and February	Performance & Presentation	5	📌 Stage performance skills 📌 Costume and expression 📌 Final presentation	To enable learners to * Learn proper stage entry, exit and positioning * Develop confidence and stage presence	Learners will be able to * Perform confidently on stage with proper posture and expression. * Present a complete dance performance with costume and expressions
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SURENDRANATH CENTENARY SCHOOL
SESSION – 2026-27
ANNUAL PEDAGOGICAL PLAN (R3)
CLASS IX

Subject संस्कृत Book इरावती					
Month	Chapter	No. of pr.	Topics	Learning Objective	Learning Outcome
जुलाई ,26	1.अहम् नमामि ●प्रथमपुरुष, मध्यमपुरुष, उत्तमपुरुष प्रयोग	4	●प्रथमपुरुष, मध्यमपुरुष, उत्तमपुरुष प्रयोग ।	●धातुरूप , प्रथमपुरुष, मध्यमपुरुष तथा उत्तमपुरुष के कर्ता एवं क्रिया का प्रयोग में निपुणता का विकास। ●शिष्टाचार की भावना का विकास। अनुभवजन्य शिक्षण (मौखिक कार्य) काव्यपाठ	छात्र सक्षम हुए – ●श्रवण-भाषण क्षमता का विकास । ● पाठ से संबंधित अभ्यास-कार्य करने का बोध। शिष्टाचार और लयबद्ध गायन के प्रति सकारात्मक चिंतन।
अगस्त ,26	2.मातामहयाः उपनेत्रम् 3.नद्यः	8	●प्रतिदिन की दिनचर्या में प्रयुक्त वस्तुओं के नामों का ज्ञान । ●वर्तमानकाल के साथ भूतकाल के लिए स्म का प्रयोग। ●नदी और प्रकृति से संबंधित शब्दों का परिचय। छात्र प्रकृति का संस्कृत में वर्णन करने में सक्षम होंगे।	छात्रों की सहायता करना - ●नवीनशब्दों का अर्थ- ज्ञान। नई धातुएँ । ● शब्द और धातुरूप के संबंध की पहचान कर पाना । ●अव्यय से नए वाक्यों का निर्माण कर सकें। रचनात्मककौशल।(project work)पाठ्यपुस्तक से प्राकृतिक चित्रवर्णन अथवा फलानाम् चित्ररचयित्वा नामानि लिखत ।	छात्र सक्षम हुए- शिक्षाप्रद हास्यप्रद कथा से संबंधित अभ्यास-कार्य करने में समक्ष। ● अव्यय की समझ, पहचान और सही प्रयोग करने में सक्षम। [रचनात्मक कौशल विकास] ●छात्र प्रकृति का संस्कृत में वर्णन करने में सक्षम होंगे।

सितम्बर- अक्टूबर ,26	4.नीतिवचना नि 5.दानवीर: कर्ण	8	●श्लोक, अर्थ, श्लोको में निहित जीवनमूल्यों का ज्ञान । ●कथावाचन,कर्ण की दानवीरता।	छात्रों की सहायता करना - ●शुद्ध वाचन व अर्थ स्पष्ट कराना । ●श्लोकों के स्वर पाठ। ●जीवन मूल्यों से अवगत्य होना । ●कथा के माध्यम से दानवीरता के महत्व को समझना । अनुभवजन्य शिक्षण/ वाचन कौशल का विकास। कर्ण का चरित्र-चित्रण । अथवा महाभारत के मुख्य पांचपात्रों के विषय में छात्र कक्षा में वर्णन करेंगे ।	छात्र निपुण हुए – श्लोक को समझने में एवं पाठ में दिए गए भिन्न-भिन्न अभ्यास-कार्य को स्वयं कर पाने में समर्थ। छात्र श्लोकों को पढ़कर जीवनमूल्यों को अपने जीवन में अपनाएंगे। ● कर्ण के चरित्र एवं त्याग को समझने में सक्षम। ● लेखन कौशल विकास। ● रचनात्मक कौशल विकास।
नवम्बर,दिस म्बर ,26	7. विद्या महिमा 9. ऋतु: वसन्तः	9	●श्लोकाया: महत्वम् (श्लोक का महत्व) ऋतराज वसंत — प्रकृति का सौंदर्य।	छात्रों की सहायता करना - मानव जीवने विद्या का महत्व- श्लोकों का शुद्ध उच्चारण एवं समझ । नैतिक मूल्यों का विकास भाषा कौशलों का विकास (श्लोकों के अन्वय) [विद्या' बनाम 'साधारण धन' का तुलनात्मक कोलाज/चार्ट। ऋतु चक्र का ज्ञान । प्रकृति के प्रति प्रेम । सचित्र वर्णन।	छात्र में - ●छात्र में श्लोकों का केंद्रीय भाव एवं अन्वय का ज्ञान। ●व्यावहारिक ज्ञान-परीक्षा पास करना नहीं, बल्कि आचरण में विनम्रता आना। ●अंतर - छात्र भौतिक धन (पैसा/सोना) और बौद्धिक धन (ज्ञान) के अंतर को स्पष्ट कर पाएँ। ●वसंत ऋतु की विशेषता संबंधित ज्ञान। ●रचनात्मक अभिव्यक्ति:

जनवरी ,26	10. सहज:स्वास्थ्य लाभः 11. आर्यभट्टः	8	● औषधीय वनस्पति और हमारा जीवन। भारत के प्रसिद्ध विद्वान-ज्ञानी गणितज्ञ।	छात्रों की सहायता करना - ● औषधीय पौधों से परिचय: प्रकृति और स्वास्थ्य का अंतर्संबंध। पर्यावरण संरक्षण की भावना: "सचित्र वनस्पति-कोश" तुलसी पादप: रोगनाशक: भवति। निम्ब: रक्तशोधक: भवति। ● विश्व प्रसिद्ध भारतीय गणितज्ञों से परिचय। आर्य भट्ट का योगदान/ भारतीय गणितज्ञों का सचित्र परिचय।	छात्र सक्षम हुए – ● वनस्पतियों की पहचान और उपयोग। ● आयुर्वेद और पर्यावरण के प्रति जिम्मेदारी: वैज्ञानिक दृष्टिकोण का विकास - सूर्य की गतिशीलता, पृथ्वी की भ्रमण (रचनात्मक कौशल।)
फरवरी ,26	सम्पूर्ण पाठ	आवृत्ति	वार्षिक परीक्षा पठित पाठों की पुनरावृत्ति	पठित पाठों की पुनः समीक्षा, अभ्यास और दोहराव करना।	विद्यार्थी गहन ज्ञान के साथ परीक्षा देने को पूर्णतः तैयार हैं।