

SYLLABUS (2023-24)
CLASS IX

SUBJECT- ENGLISH				
Books: 1) Beehive (NCERT) I				
Moments (NCERT) II				
Workbook (NCERT) III				
NCERT based worksheets on English (Optional) (PP Publication) IV				
Month	Book Name	Syllabus	Activities	Learning Outcome
April (19 Days)	Beehive	Ch-1 The Fun They had Ch-2 The Road Not Taken Ch-3 The Sound of Music Ch-4 Wind	Speech on The funniest moment of my life	Value of human teachers Importance of choices we make in life Importance of music
	Moments	Ch-1 The Lost Child		Value of Parents
		Ch-2 The Adventures of Toto		Mischief of animals
	Writing	Informal Letter		1) Correct format and appropriate content
	Grammar	Tenses	Preparing a chart on Tenses (Rules and examples)	1) ability to produce sentences of all the tenses while speaking and writing
Comprehension	Discursive Passage		1) Understanding any article, discourse etc. and extracting important points	

June (8 Days)	Beehive	Ch-5 The little girl		1) Wind as boon and bane,
		Ch-6 Rain on the Roof		both 1) About father's affection Melody of nature Nature as a teacher
	Moments	Ch-3 Iswaran the Storyteller	Narration of any horror story in classroom (which is not prescribed in the syllabus)	1) Art of narration 1) Wisdom and art of thinking
	Writing	Informal Letter		1) Correct format and appropriate content
	Grammar	Tenses (continued)		1) ability to produce sentences of all the tenses while speaking and writing
	Comprehension	Case-based Factual Passage		Comprehending any survey, case-study Analysing the pictorial representation e.g. chart, graph etc. and drawing inferences
July (23 Days)	Beehive	Ch-7 A Truly Beautiful Mind Ch- 8 The Lake Isle of Innisfree Ch-9 The Snake and the mirror Ch-10 A Legend of the Northland	Versification picture album(nature's beauty with its description)	Knowledge about Albert Einstein's life, achievements and philosophy Importance of peace and tranquility 1) Love for nature and peace 1) Learning about elements of humour 1) Learning value of mercy and sympathy

	Moments	Ch-5. The Happy Prince Ch-4 In the kingdom of fools		learning the virtues of helpfulness and empathy Learning about true qualities of a friend
	Writing	Story writing	Story-telling in the classroom	1) Correct format and appropriate language and style in storytelling
	Grammar	Verb-Subject Agreement		1) Correct usage of verbs (in accordance to the subject)
	Comprehension	Discursive Passage		1) Understanding any article, discourse etc. and extracting important points
August (23 Days)	Beehive	Ch-11 My Childhood Ch-12 No men are foreign Ch-13 Packing Ch-14 The Duck and the Kangaroo	Speaking on 'Tips of Packing' Quotes of A P J Abdul Kalam Translation of 'Packing' in Indian dialects and slangs	1) Learning sheer determination and hard-work from the life of Dr A.P.J. Abdul Kalam 1) Conceptualization of the philosophy: Vasudhaiva Kutumbakam Tips of packing Sense of humour Value of helpfulness and kindness Interest in reading legends
	Moments	Ch-6 Weathering the storm in Ersama		1) Facing challenges bravely

	Writing	Story Writing (continued)	Story-telling in the classroom	1) Correct format and appropriate language and style in storytelling
	Grammar	Modals		1) Correct usage of modals while speaking and writing
	Comprehension	Case-based Factual Passage		Comprehending any survey, case-study Analysing the pictorial representation e.g. chart, graph etc. and drawing inferences
September (22 Days)	Beehive	Ch-15 Reach for the top Ch-16 On killing a Tree	Speech on Importance of Trees on planet earth	Interest in sports and mountaineering Development of value of determination Recognising women equal to men in all the fields
	Moments	Ch-7 The Last Leaf	Painting of various leaves	Doing good to others Interest in painting
	Writing	Descriptive Paragraph		1) Correct format and appropriate content
	Grammar	Modals (continued) Preposition		Correct usage of modals while speaking and writing Correct usage of prepositions while

				speaking and writing
	Comprehension	Discursive Passage		1) Understanding any article, discourse etc. and extracting important points
October (21 Days)	Beehive	Ch-17 The Bond of love Ch-18 The Snake Trying		1) Love for animal Fears of animals Human activities that harm animals
	Moments	Ch-8 A house is not a home	Speech on 'What Makes a House a Home'	Art of facing challenges Developing love for one's home
	Writing	Descriptive Paragraph (continued)		1) Correct format and appropriate content
	Grammar	Revision		
	Comprehension	Case-based Factual Passage		Comprehending any survey, case-study Analysing the pictorial representation e.g. chart, graph etc. and drawing inferences

November (18 Days)	Beehive	Ch-19 Kathmandu Ch-20 A slumber did my spirit seal Ch-21 If I were You		1) Culture and tradition of Kathmandu 1) Ultimate truth of life 1) Suspense and mystery
	Moments	Ch-9 The Accidental Tourist Ch-10 The Beggar	Telling a humorous on the topic 'The most memorable journey of my life'	Inevitable facts of journey Sympathy towards the poor
	Writing	Revision		
	Grammar	Clauses, Active & Passive	Preparing a chart on rules of transformation from active	1) Identifying clauses while reading and listening
			voice to passive voice, with examples	Using sentences having clauses while speaking and writing Identifying the sentences of passive voice while reading and listening using sentences of passive voice while speaking and writing
	Comprehension	Discursive Passage		1) Understanding any article, discourse etc. and extracting important points
December (22 Days)	Beehive	Revision		
	Moments	Revision		
	Writing	Revision		

	Grammar	Determiners Reported speech Command and Requests Statements Questions		1) Using correct determiner while speaking and writing 1) narration of a dialogue in indirect speech without any grammatical error
	Comprehension	Case-based Factual Passage		Comprehending any survey, case-study Analysing the pictorial representation e.g. chart, graph etc. and drawing inferences
January (22 Days)	Beehive	Revision		
	Moments	Revision		
	Writing	Revision		
	Grammar	Revision		
	Comprehension	Discursive Passage		1) Understanding any article, discourse etc. and extracting important points
February (23 Days)	Beehive	Revision		
	Moments	Revision		
	Writing	Revision		
	Grammar	Revision		
	Comprehension	Case-based Factual Passage		Comprehending any survey, case-study Analysing the pictorial representation e.g. chart, graph etc.

				and drawing inferences
March (21 Days)	Annual Exam			
	<p>Syllabus PA1</p> <p>Beehive- Ch-1 The Fun They had Ch-2 The Road Not Taken Ch-3 The Sound of Music Ch-4 Wind</p> <p>Moments – Ch-1 The Lost Child Ch-2 The Adventures of Toto</p> <p>Writing- Informal Letter</p> <p>Grammar- Tense</p>	<p>Syllabus</p> <p>HY</p> <p>Beehive- PA1 + Ch-5 The little girl Ch-6 Rain on the Roof Ch-7 A Truly Beautiful Mind Ch-8 The Lake Isle of Innis free Ch-9 The Snake and the mirror</p> <p>Moments - Ch-5 The Happy Prince</p> <p>PA1+ Ch-3 Iswaran the storyteller Ch-4 In the kingdom of fools</p> <p>Writing- Informal Letter, Story-writing</p> <p>Grammar- Tenses, modals, subject-verb concord</p> <p>Comprehension- Discursive Passage, Case-based Factual Passage</p>	<p>Syllabus PA3</p> <p>Beehive- Ch-10 – Ch 1</p> <p>Moments- Ch-6 –Ch 9</p> <p>Grammar- Tenses, modals, subject-verb concord, Descriptive Paragraph, Story-writing Clause, Active & Passive, Prepositions, Determiners</p> <p>Writing- Descriptive Paragraph</p>	<p>Syllabus AE</p> <p>Beehive, Moments, Grammar, Writing, - All topics</p>
AIL TOPICS	(1st Quarter) The Sound of Music Music (Singing classical/western song)	(2nd Quarter) Reach for the top Sports	(3rd Quarter) The Snake Trying Art & Craft (Making colourful snakes)	(4th Quarter) Kathmandu (Dance)

PBL TOPICS	(1st Quarter) Ch-2 The Road Not Taken Making a portfolio on Robert Frost, his life and achievements, and his five most beautiful poems. Add relevant pictures also.	(2nd Quarter) Ch-4 In the Kingdom of Fools Reading or Listening to any three Indian folklores and writing them in your own words.	(3rd Quarter) Ch-12 No Men Are Foreign Making a portfolio on the war between Russia and Ukraine, its drastic consequences and its impact on the world. Paste relevant images, newspaper cuttings etc. to make your work more informative and impressive.	(4th Quarter) Ch-19 Kathmandu Writing a travelogue. Paste relevant pictures, too.
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SUBJECT- HINDI				
पाठ्यपुस्तक - स्पर्श , संचयन, व्याकरण				
Month	Book Name	Syllabus	Activities	Learning Outcome
April (19 Days)	स्पर्श/संचयन	1. धूल (पठन हेतु) 2. रेवास 3. दुख का अधिकार 4. गिल्लू	1. भक्त कवि कबीर , गुरु नानक , नामदेव और मीराबाई की रचनाओं का संकलन कीजिए ।	भक्ति की महिमा तथा उपयोगिता का महत्व समझ सकेंगे । भक्त और ईश्वर के बीच संबंध को समझेंगे । पशुओं के प्रति दया की भावना तथा सद्व्यवहार का संचार करना ।
	व्याकरण	1 अपठित गद्यांश-पद्यांश 2 अनुस्वार, अनुनासिक , नुक्ता	2. 'व्यक्ति की पहचान पोशाक से होती है ।' इस विषय पर कक्षा में परिचर्चा का आयोजन करना ।	व्याकरणिक नियमों की जानकारी, शुद्ध व प्रभावशाली भाषा का प्रयोग , अर्थ ग्रहण कर लिखना । अनुस्वार, अनुनासिक , नुक्ता का उचित प्रयोग
June (8 Days)	स्पर्श/संचयन	5. तुम कब जाओगे, अतिथि? 6. वैज्ञानिक चेतना के बाहक (पठन हेतु)	1. 'अतिथि देवो भव' उक्ति की व्याख्या कीजिए तथा आधुनिक संदर्भ में इसका आकलन कीजिए ।	हास्य व्यंग्यात्मक शैली से परिचय ।
	व्याकरण	3 पत्र लेखन (अनीपचारिक) 4 वर्ण-विच्छेद		बुद्धि और ज्ञान की परिपक्वता, विचारों की विशालता , विषय का ज्ञान, अभिव्यक्ति की शक्ति और भाषा पर नियंत्रण । पंचमाश्र के नियमानुसार वर्ण विच्छेद ।
July (23 Days)	स्पर्श/संचयन	7. रहीम के दोहे 8. स्मृति 9. एक्वरेट मेरी शिखर यात्रा	1. नीति संबंधी अन्य कवियों के दोहे /कविता को चार्ट पेपर पर लिखिए । 2. इस पर्वत का नाम 'एक्वरेट' क्यों पड़ा ? जानकारी प्राप्त करके लिखिए ।	नीतिपरक दोहों की उपयोगिता तथा महत्व समझना । बाल्यकाल की मनेहारी घटना का वर्णन घटना का सजीव चित्रांकन लेखन विधि से परिचित होंगे ।
	व्याकरण	5. विलापन 6. अनुच्छेद लेखन		आकर्षक विलापन बनाना , उत्पादों के संबंध में अपने मत की पुष्टि के लिए उचित वातावरण तैयार करना । व्याकरणिक नियमों की जानकारी, शुद्ध व प्रभावशाली भाषा का प्रयोग , अर्थ ग्रहण कर लिखना

August (23 Days)	स्पर्श/संचयन	10. आदमीनामा 11. कल्लू कुम्हार की उनाकोटि (पठन हेतु) 12. एक फूल की चाह	1. अगर बंदरनामा लिखना हो तो आप किन-किन सकारात्मक और नकारात्मक बातों का उल्लेख करेंगे।	आदमी की फितरत को समझेंगे। आदमी के विभिन्न रूपों को जानेंगे। नज़्म कैसे कहते हैं? समझेंगे। समाज में व्याप्त भेदभाव की भावना का परित्याग
	व्याकरण	7. संवाद लेखन 8. उपसर्ग व प्रत्यय	2. तत्कालीन समाज में व्याप्त स्पृश्य और अस्पृश्य भावना में आज आए परिवर्तनों पर एक चर्चा का आयोजन।	शब्दों से उपसर्ग प्रत्यय और मूल शब्द अलग करना। छोटे, रोचक व स्वभाविक संवाद लेखन करना। संवाद के द्वारा घटनाक्रम को आगे बढ़ाना
September (22 Days)	पुनरावृत्ति - अर्द्धवार्षिक परीक्षा			
October (21 Days)	स्पर्श/संचयन	13. मेरा छोटा सा निजी पुस्तकालय (पठन हेतु) 14. कीचड़ का काव्य 15. धर्म की आड़	1. सूर्योदय व सूर्यास्त का दृश्य देखें तथा अपने अनुभवों को लिखिए। 2. 'धर्म एकता का माध्यम है।' - वाद-विवाद का आयोजन।	धर्म की महीमा तथा उसके अस्तित्व के महत्व को समझ सकेंगे। कीचड़ की महीमा, उपलब्धता तथा उपयोगिता का महत्व समझ सकेंगे
	व्याकरण	9. चित्र -वर्णन 10. संधि		शब्दों में संधि व संधि विच्छेद कर सकेंगे। किसी चित्र को देखकर उससे संबंधित मन में उठने वाले भाव को अपनी कल्पनाशक्ति के माध्यम से अभिव्यक्त करना।
November (19 Days)	स्पर्श/संचयन	16. अग्नि -पथ 17. गीत-अगीत (पठन हेतु)	1. 'जीवन संघर्ष का नाम है।' - अनुच्छेद लेखन करना।	व्यक्त एवं अव्यक्त भावों के अन्तर एवं समानता को समझेंगे। लक्ष्य पर ध्यान केंद्रित करना। मानवीकरण अलंकार के विषय में जानेंगे।
	व्याकरण	11. विशापन		उत्पादों के संबंध में अपने मत की पुष्टि के लिए उचित वातावरण तैयार करना।
December (18 Days)	स्पर्श/संचयन	18. हमिद खौ 19. नए इलाके में 20. खुशबू रचते हैं हाथ	1. किसी एक लघु उद्योग के बारे में जानकारी एकत्र कीजिए। 2. सभी हिन्दी महीनों के नाम क्रम से लिखिए	हिंदू और मुसलमान दोनों में ही सहृदयता व एकता की भावना को समझ सकेंगे। प्रतिदिन होने वाले परिवर्तन और उनके प्रति जागरूकता के कीशल का

			।	विकास करने में सक्षम होंगे। बालश्रम एक अपराध की जानकारी प्राप्त करेंगे।
	व्याकरण	12. विराम चिह्न		वाक्य में उचित विराम चिह्न का प्रयोग करना। विराम चिह्न के विभिन्न भेदों को लिखना। भाषा में विराम चिह्न के उपयोग को लिखना।
January (24 Days)	स्पर्श/संचयन	21. दीये जल उठे 22. शुक्रतारे के समान	1. गाँधीजी की आत्मकथा 'सत्य के प्रयोग' का पठन करें	अपने देश के प्रति कर्तव्यों को निभाने के लिए संकल्पबद्ध हो सकेंगे। स्वाधीनता का महत्व तथा उससे जुड़े लोगों की महीमा तथा उसके अस्तित्व के महत्व को समझना।
	व्याकरण	13. वर्ण-विच्छेद 14. संवाद लेखन		बुद्धि और ज्ञान की परिपक्वता, विचारों की विशालता, विषय का ज्ञान, अभिव्यक्ति की शक्ति और भाषा पर नियंत्रण। पंचमाक्षर के नियमानुसार वर्ण विच्छेद।
February (23 Days)			पुनरावृत्ति -	
Syllabus (PA I)		Syllabus (HY)	Syllabus (PA II)	Syllabus (AE)
स्पर्श/संचयन - 1. रेखा 2. दुख का अधिकार 3 गिल्लू 4. तुम कब जाओगे, अतिथि? व्याकरण - 1 अपठित गद्यांश-पद्यांश 2 अनुस्वार, अनुनासिक, नुक्ता 3 पत्र लेखन (अनीपचारिक) 4 वर्ण-विच्छेद		स्पर्श/संचयन - 1. रेखा 2. दुख का अधिकार 3 गिल्लू 4. तुम कब जाओगे, अतिथि? 5. रहीम के दोहे 6. स्मृति 7. एवरेस्ट मेरी शिखर यावा 8. आदमीनामा 9. एक फूल की चाह व्याकरण - 1 अपठित गद्यांश-पद्यांश 2 अनुस्वार, अनुनासिक, नुक्ता 3 पत्र लेखन (अनीपचारिक)	स्पर्श/संचयन - 14 कीचड़ का काव्य 15. धर्म की आड़ 16. अग्नि -पथ 18. रहीम खाँ व्याकरण - 1 अपठित गद्यांश-पद्यांश 2 पत्र लेखन (अनीपचारिक) 3. चित्र-वर्णन 4 संधि 5. विशापन 6 वर्ण-विच्छेद 7 अनुस्वार, अनुनासिक, नुक्ता	स्पर्श/संचयन - 1. रेखा 2. दुख का अधिकार 3 गिल्लू 4. तुम कब जाओगे, अतिथि? 5. रहीम के दोहे 6. स्मृति 7. एवरेस्ट मेरी शिखर यावा 8. आदमीनामा 9. एक फूल की चाह 10 कीचड़ का काव्य 11. धर्म की आड़ 12. अग्नि -पथ 18. रहीम खाँ 19. नए इलाके में 20. खुशबू रचते हैं हाथ 21. दीये जल उठे 22. शुक्रतारे के समान व्याकरण - 1 अपठित गद्यांश-पद्यांश 2 अनुस्वार, अनुनासिक, नुक्ता 3 पत्र लेखन (अनीपचारिक) 4 वर्ण-विच्छेद 5. विशापन 6. अनुच्छेद लेखन 7. संवाद लेखन 8 उपसर्ग व प्रत्यय 8. विशापन 9. विराम चिह्न 10. संवाद लेखन 11. चित्र-वर्णन 12 संधि

	4. वर्ण-विच्छेद 5. विलापन 6. अनुच्छेद लेखन 7. संवाद लेखन 8. उपसर्ग व प्रत्यय			
AIL Topics	(1 st Quarter) पाठ - दुख का अधिकार 'व्यक्ति की पहचान पोशाक से होती है।' किन्हीं दो पोशाक का चित्र बनाइए।	(2 nd Quarter) पाठ - आदमीनामा सकारात्मक और नकारात्मक बातों का उल्लेख करते हुए बंदरनामा नामक कविता लिखिए।	(3 rd Quarter) पाठ - धर्म की आड़ किसी एक स्वतंत्रता सेनानी के किरदार की भूमिका का निर्वाहण कीजिए।	(4 th Quarter) पाठ - खुशबू रचते हैं हाथ किसी एक लघु उद्योग के बारे में जानकारी एकत्र कीजिए।
PBL Topics	(1 st Quarter) पाठ - एवरेस्ट मेरी शिखर यात्रा पर्वत ('एवरेस्ट')का एक नमूना तैयार कीजिए।	(2 nd Quarter) पाठ - धर्म की आड़ चारों धर्म (हिंदू, मुस्लिम, सिख व इसाई) का प्रतीक बनाइए।	(3 rd Quarter) श्रवण- लेखन मूल्यांकन	(4 th Quarter) पोर्ट फोलियो बनाना

SUBJECT – MATHEMATICS			
BOOK: Mathematics textbook for class IX; by N.C.E.R.T			
REFERENCE BOOK: Mathematics Exemplar problems For Class IX; by N.C.E.R.T.			
Month	Syllabus	Enrichment activities	Learning Outcomes
April (19 days)	Ch1 Number System	To represent irrational numbers on number line, Spiral construction of Irrational numbers	<ul style="list-style-type: none"> Define Natural Numbers, Integers, Rational Numbers and Irrational Numbers. List differences between the above-mentioned terms. Find $\sqrt{2}$, $\sqrt{3}$ and $\sqrt{5}$ and show that these are non-recurring non terminating decimals. Graphically represent $\sqrt{2}$, $\sqrt{3}$ and $\sqrt{5}$ Rationalization of real Numbers

June (8 days)	Ch 2 Polynomials	PowerPoint Presentation, Types, Degree and zeros of polynomials	<ul style="list-style-type: none"> Zeros of a polynomials, Remainder theorem, factor theorem and Factorization
	Ch 3 Coordinate Geometry	To locate a point in co-ordinate plane. To identify various quadrants	<ul style="list-style-type: none"> Define terms like Cartesian plane, Coordinates, Quadrants, Abscissa, Ordinate and origin.
July (23 days)	Ch 4 Linear equations in two variables	Activity related to graphical representation of equations.	<ul style="list-style-type: none"> Finding solutions of linear equation in two variables and how to plot graph of linear equation in one variable & two variables.
	Ch 5 Euclid geometry	Project work on Euclid's geometry	State the axioms and postulates
August (23 days)	Ch 6 Lines and Angles	To verify angle sum property of triangle. To verify exterior angle property of triangle.	<ul style="list-style-type: none"> Properties of angles of parallel lines when intersected by a transversal.
	Ch 7 Triangles	Various criterions of congruency and their verifications	<ul style="list-style-type: none"> Congruency of triangles Properties of triangles Inequality in triangles
September (22 days)	REVISION & HY EXAMINATION		
October (21 days)	Ch 8 Quadrilaterals	To find sum of angles of a quadrilateral. To find the area of a Rhombus experimentally. To verify the midpoint theorem for a triangle, using paper cutting and pasting	<ul style="list-style-type: none"> Angle sum property of quadrilaterals Types of quadrilaterals Properties of parallelogram
	Ch 9 Circles	To develop the formula for area of the circle by craft work.	<ul style="list-style-type: none"> Properties of arcs and chords Properties of Cyclic quadrilaterals
November (18 days)	Ch 10 Heron's formula	To prove theorems based on area of parallelograms and triangles.	<ul style="list-style-type: none"> Find area of triangle and quadrilateral
December (22 days)	Ch 11 Surface areas and volume	To develop the formula for area of a sphere with jute thread and ruler. To verify the formula for the surface area.	<ul style="list-style-type: none"> Surface areas and volumes of solid shapes (cuboids, cube, cylinder, cone, sphere and hemi sphere)

January (24 days)	Ch 12 Statistics	Finding central tendency in given situation	<ul style="list-style-type: none"> • Represent data Graphically • Calculate mean, median and mode of ungrouped data 	
	Revision of AE 2023 – 24			
February (23 days)	Revision & Annual Examination 2023 – 24			
March (21 days)	Annual Examination 2023 – 24			
Syllabus	PT – I	HY/PT – II	PT – III	AE
	Ch 1 to 3	Ch 1 to 6	Ch 7, 8 and 9	Ch 1 to 12
AIL TOPICS	(1st Quarter) Ch 1 Number System	(2nd Quarter) Ch 6 Lines and Angles.	(3rd Quarter) Ch 8 Quadrilaterals	(4th Quarter) Ch 12 Statistics.
PBL TOPICS	Ch 2 Polynomials	Ch 4 Linear equations in two variables	Ch 9 Circles	Ch 11 Surface Areas & Volumes

SUBJECT- SCIENCE

BOOKS: NCERT

Month	Syllabus	Enrichment activities	Learning Outcomes
April (19 days)	Chapter 1 Matter in Our Surroundings (Chem) Motion 8 (Physics)	To perform an activity to show various characteristics of particles of matter like Particles of matter have spaces between them. To observe, analyse and plot the graph for different values of position, velocity and acceleration.	Provide scientific explanation for diffusion in examples of gases and liquids witnessed in real life. Relate the effect of pressure on different states of matter and its applications. Identify the various processes during change of substances from one physical state to another and classify substances on this basis. Describe the effect of change in temperature on the state of matter. Differentiate between scalar and vector quantities Explain the difference between distance and displacement, speed and velocity with

	Chapter 5 The fundamental unit of life (Biology)	To study onion cells with the help of microscope .	Cell- structure and functions of different cell organelles.
June (8 days)	Chapter 1 Matter in Our Surrounding.(Chemistry) Chapter 8 Motion (Physics)	Compare the boiling of water at sea level and at high altitude from the data available. To observe, analyse and plot the graph for different values of position, velocity and acceleration.	Understand and appreciate the use of desert coolers to provide relief in summer. Use wet strips of cotton on the forehead of the person suffering from high fever to reduce the temperature. Derive the three equations of motion graphically. analyses and interprets graphs and figures such as, distance-time and velocity-time graphs.
	Chapter 5 The fundamental unit of life (Biology)	—————	Cell- structure and functions of different cell organelles
July (23 days)	Chapter 2 Is Matter around Us Pure?(Chemistry) Chapter 9 Force and Laws of Motion (Physics)	To prepare (a) a true solution of common salt, sugar and alum (b) a suspension of soil, chalk powder and fine sand in water (c) a colloidal solution of starch in water and egg albumin/ milk in water and distinguish between these on the basis of transparency, filtration criterion and stability. To study the third law of motion using two spring balances	Student will able to Classify solution into true solution, colloidal solution and suspension, Illustrate the properties of true solution, colloidal solution and suspension Illustrate Tyndall effect and its applications,Understand the various techniques to separate the components of mixture. Understand the difference between physical and chemical changes ,Differentiate between element, compound and mixture. Explain uniform circular motion, and reason out that why it is known as an accelerated motion.criticallyanalyse the different types of motion.State Newton's First Law of Motion with the help of real-life examples.
	Chapter 6 Tissue (Biology)	To observe the growth of roots in onion cells.	Different types of plants tissues.
	Chapter 2 Is Matter around Us Pure? (Chemistry)	1. To prepare (a) mixture (b) a compound using iron fillings and Sulphur powder and distinguish between these on the basis of	Able to Differentiate between elements and compounds Classify different materials based on their physical and chemical properties.The students have learned about pure and impure substances.

October (21 days)	<p>Chapter - 3 :Atoms and Molecule (Chemistry)</p> <p>Chapter 4 Structure of atom(Chemistry)</p> <p>Chapter 10 Gravitation Floatation (Physics)</p> <p>Chapter 11 Work and Energy (Physics)</p> <p>Chapter 13 Why do we fall ill? (Biology)</p>	<p>To showing reaction of Sodium sulphate with barium chloride in the form of their solutions in water</p> <p>Activity 1: To make the static models displaying electronic configurations of first eighteen elements.</p> <p>To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.</p> <p>Establishing the relation between the loss in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solid.</p> <p>Make a collage on different causes ,spreading and remedy of different communicable diseases.</p>	<p>Understand mole concept. Solve numerical based on mole concept.</p> <p>Understand the characteristics of anode rays and cathode rays. Describe Thomson model , Rutherford model and Bohrs model of an atom . Represent an atom with the help of symbols. Write the configuration of atom.</p> <p>Measure physical quantities using appropriate apparatus, instruments, and devices, such as, weight and mass of an object using spring balance, mass using a physical balance, volume of liquid using measuring cylinder, etc.</p> <p>Explain the scientific conception of work . Calculate the amount of work done on an object . define energy and classify mechanical energy into kinetic and potential energy. Explain the concept of kinetic energy with the help of examples and derive its expression.</p> <p>Concept of Health ,diseases ,immunization and vaccination.</p>

<p>November (18 days)</p>	<p>Chapter 4 Structure of atom (Chemistry)</p> <p>Chapter 11 Work and Energy (Physics)</p> <p>Chapter 14 Natural Resources (Biology)</p>	<p>Prepare a table Atomic number and atomic mass and valency of various elements. To prepare static Bohr's atomic Model of different atoms.</p> <p>Establishing the relation between the loss in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solid</p> <p>Make a report on any one resource .</p>	<p>Distribution of atoms in shells,Electronic configuration Valency, Isotopes, Isobars .Applications of isotopes.Calculation of average atomic mass Chemical formula by Valency method.</p> <p>Explain the concept of potential energy with the help of examples and derive its expression. State the law of conservation of energy . Define power and give its SI unit. Establish the relation between commercial unit of energy KWh and joules.</p> <p>Role of atmospheres in climate control ,pollution and conservation of air and water.</p>
<p>December (22 days)</p>	<p>Revision (Chemistry)</p> <p>Chapter 12 Sound (Physics)</p> <p>Chapter 15 Improvement in food resources (Biology)</p>	<p>Revision</p> <p>Verification of the Laws of reflection of sound.</p> <p>To make a report on latest research in plant breeding .</p>	<p>Visualize sound as waves and explain that sound cannot produce without a vibrating object. Explain the different characteristics of sound waves. Draws labeled diagrams of human ear. explains processes and phenomena how bats use ultrasonic waves to catch prey.</p> <p>Cropping patterns, genetic hybridization ,fertilization and manure</p>
<p>January (24 days)</p>	<p>Revision</p>		
<p>February (23 days)</p>	<p>Annual Exam</p>		

March (21 days)	Annual Exam			
Syllabus (PA-I)	Chapter 1 ,5 & 8			
Syllabus (HY)	Chapter 1 ,2 ,5 ,6 ,8 & 10			
Syllabus (PA-II)	Chapter 3 4 ,7, 10 (Floatation) ,11			
Syllabus (AE)	Full syllabus			
AIL TOPICS	(1st Quarter) Design a small scale filtration plant to clean muddy water (Ch2 Is matter around us pure?)	(2nd Quarter) To sing a song based on characteristics of particles of matter(Ch 1 Matter in our surroundings	(3rd Quarter) Make a collage on different causes ,spreading and remedy of different communicable diseases (Ch 13 Why do we fall ill)	(4th Quarter) Establishing the relation between the loss in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solid (Ch 10 Work and Energy)
PBL TOPICS	To study the third law of motion using two spring balances.(Ch 8 Motion)	Prepare a chart on scientific and common names of any 10 animals and plants. (Ch 7 Diversity in Living world)	The Newtonian Toy Design a toy using waste materials which describe any one or more laws of Motion given by Newton. Present your toy and explain the concept in form of a video. (Ch 9 Force and Laws of Motion)	Prepare a chart on Atomic number and atomic mass and valency of various elements.(Ch 4 structure of the Atom)

SUBJECT- SOCIAL SCIENCE

BOOKS: History: India and the contemporary World-I

Geography: Contemporary India-I

Civics: Democratic Politics-I

Economics: Economics

PUBLISHED BY:N.C.E.R.T

Month	Syllabus	Learning Outcomes	Enrichment Activities
April (19)	<p>Civics: Chapter1-What is Democracy? Why Democracy?</p> <p>Geography: Chapter1- India: Size and location</p> <p>History: Chapter 1-The French Revolution.</p>	<ul style="list-style-type: none"> • Meaning of democracy, need of democracy and main features of democratic government. • Size and location of India, India and its neighbors and India and the world and Map work. • End of monarchy in France and establishment of democracy. • Notions of equality and freedom as the central new language of politics. 	<ul style="list-style-type: none"> • Find out the longitudinal and latitudinal extent of your state. • Debate on democratic and non democratic government • Draw a flow chart of the Political system under the constitution of 1791. •
June (8)	<p>Economics: Chapter1-The story of Village Palampur</p>	<ul style="list-style-type: none"> • To know about factors of production • Main aim of production and traditional and modern methods of farming. 	<ul style="list-style-type: none"> • .Make a list of non-farming economic activities near your locality/area.

<p>July (23)</p>	<p>History: Chapter 2- Socialism in Russia</p> <p>Geography: Chapter 2- Physical divisions of India</p> <p>Civics: Chapter-2 Constitutional Design</p>	<ul style="list-style-type: none"> • Socialism in Europe and the dramatic events that forced the ruling monarch, Tsar Nicholas II, to give up power, the changes that were initiated by the new Soviet government, the problems it faced and the measures it undertook. . • Physical divisions of India, features of each physical division and importance of these physical divisions including map work. • Constitution of South Africa and India, need and importance of constitution.. 	<ul style="list-style-type: none"> • Locate the peaks, passes, ranges, plateaus, hills, and duns on the physical map of India • Make a poster on the life and struggle of Nelson Mandela.
<p>August (23)</p>	<p>Economics: Chapter -2 People as a Resource</p> <p>Civics: Chapter3-Electoral Politics</p> <p>Geography: Chapter-3 Drainage</p>	<ul style="list-style-type: none"> • Meaning, features and importance of elections. • Function of Election commission. • Challenges to free and fair elections. • Population as asset for the economy rather than a liability, education, health and unemployment. • Drainage system of India, three main river system of India, rivers of South India reasons of river pollution and methods to prevent river pollution and Map work 	<ul style="list-style-type: none"> • Draw a cartoon here about the Model Code of Conduct for the guidance of Political parties and candidates during election. • Make a model of the different drainage pattern of the rivers.
<p>September (22)</p>	<p>Revision</p>	<ul style="list-style-type: none"> • Revision of whole syllabus of half yearly. 	

<p>October (21)</p>	<p>History: Chapter 3-Nazism in Germany Civics: Chapter-4 Working of Institutions Geography: Chapter-4 Climate</p>	<ul style="list-style-type: none"> • Rise of Hitler and politics of Nazism. • The children, women in Nazi Germany, about schools and concentration camps. • World War II and formation of United Nations • Meaning of government, political and permanent executives. • Parliament, functions of Parliament, functions of Prime minister and President and the Judiciary.. • Difference between weather and climate factors affecting Climate of India and the seasons. • Ferrell's law, El-Nino, Mechanism of monsoon, monsoon as a unifying bond in India and map work. 	<ul style="list-style-type: none"> • Imagine that you are Helmuth. You have had many Jewish friends in school and do not believe that Jews are bad. Write a paragraphon what you would say to your father. • List the names of the five Cabinet Ministers and their ministries each at the Union leveland on your state.
<p>November (18)</p>	<p>History: Chapter-4 Forest society and Colonialism Economics: Chapter-3Poverty as a Challenge Geography: Chapter 5 – Natural Vegetation and wildlife</p>	<ul style="list-style-type: none"> • Causes of deforestation in India during colonial rule.Forest laws and rebellion in Bastar region. • Reasons of poverty in India, estimation of poverty in India and vulnerable groups. • Anti-poverty measures run by the government to tackle the problems of poverty. • Meaning of natural vegetation and factors affecting natural vegetation of a place and map work. • Types of forests and its important features, Wildlife Protection Act and methods to conserve natural vegetation and wildlife 	<ul style="list-style-type: none"> • Write a dialogue between a colonial forester and an Adivasi discussing the issue of hunting in the forest • Study the different cases of poverty and prepare a presentation on the issues related to poverty.
<p>December (22)</p>	<p>Civics: Chapter-5 Democratic Rights History: Chapter 5- Pastoralists in the Modern World</p>	<ul style="list-style-type: none"> • Meaning and need of Fundamental rights of the citizens and its important features. • Analyze the impact of modernstates, marking of boundaries,processes of sedentarization, contraction of pastures, andexpansion of markets onpastoralism in the modern world. 	<ul style="list-style-type: none"> • Write a memorandum on behalf of women in Saudi Arabia to the Secretary General of theUnited Nations.
<p>January (24)</p>	<p>Geography: Chapter-6 Population Economics: Chapter-4 Food security in India Revision</p>	<ul style="list-style-type: none"> • Meaning of census, population policy of India, age composition and economic activities and Map work. • Concept of food security, famine and droughts, poorest state of India, birth rate, death rate and migration and measures to solve food insecurity. <p>Revision of whole syllabus of Annual Examination.</p>	<ul style="list-style-type: none"> • Conduct a class census by preparing a questionnaire. Each student is required to fill the questionnaire. Compile the information in numerical terms. Present the information through pie-chart, bar-diagram or in any other way.

February (23)	Revision of Annual exam			
Syllabus (PT-I)	Civics: Chapter1-What is Democracy? Why Democracy? Geography: Chapter1- India: Size and location History: Chapter 1-The French Revolution, Economics: Chapter1-The story of Village Palampur			
Syllabus (HY)	Civics: Chapter1-What is Democracy? Why Democracy?, Chapter-2 Constitutional Design, Chapter3-Electoral Politics Geography: Chapter1- India: Size and location, Chapter 2- Physical divisions of India, Chapter-3 Drainage History: Chapter 1-The French Revolution, Chapter 2- Socialism in Russia Economics: Chapter1-The story of Village Palampur, Chapter -2 People as a Resource			
Syllabus (PT-III)	History: Chapter 3-Nazism in Germany Civics: Chapter-4 Working of Institutions Geography: Chapter-4 Climate Economics: Chapter-3Poverty as a Challenge			
Syllabus (AE)	Full Syllabus			
AIL TOPICS	(1st Quarter) Sustainable Development Goals Poster on Sustainable development goals.	(2nd Quarter) Preamble of Indian Constitution. Draw a cover page Preamble of Indian Constitution.	(3rd Quarter) Incredible India Comparative study of states Manipur and Sikkim (Group Activity).	(4th Quarter) Population Make the population pyramid of India on a graph paper.
PBL TOPICS	Every student has to compulsorily undertake one project on Disaster Management. Objectives: The main objectives of giving project work on Disaster Management to the students are to: a. create awareness in them about different disasters, their consequences and management b. prepare them in advance to face such situations c. ensure their participation in disaster mitigation plans d. enable them to create awareness and preparedness among the community.			

SUBJECT-ART

Month	Syllabus	LearningOutcome		
April (Day-19)	Wall painting	Learn draw and colour using colours.		
June (Day-08)	Wall painting	Learn draw and colour using colours.		
July(Day-23)	Portrait	Learn shading techniques using pencil.		
August(Day-23)	Warli art painting	Learn draw and colour using colours.		
September(Day-22)	Mandala painting	Learn draw and colour using colours.		
October(Day-21)	Mandala painting	Learn draw and colour using colours.		
November(Day-19)	Sketching	Learn draw and shading using pencil.		
December(Day-18)	Sketching	Learn draw and shading using pencil.		
January(Day-24)	Gond art	Learn draw and colour using colours.		
February(Day-23)	Gond art	Learn draw and colour using colours.		
March	EVIII			
ALLTOPICS	(1stQuarter) (1st Quarter) Design a small scale filtration plant to clean (Ch-2, Science)	(2ndQuarter) Warli Art Ch- 6, 7, 8, 10 (maths)	(3rdQuarter) Ch -18 The snake trying (English)	(4thQuarter) Draw a collage on various (Ch14: Why do we fall ill)G.Science

SUBJECT- MUSIC

Month	Syllabus	Learning Outcomes
April (19 days)	WikritSwar base Alankar along with kawayatsargam	Students will Learn Swar& Octave
June (08 days)	Revision	Students will revise everything from Starting.
July (23 days)	Chautaal	They will learn Taali& Khali in Chutaal.
	Patriotic Song	Considering music as a way celebrating Independence Day.
August (23 days)	Annual Day Practice	Annual Day Practice
September (22 days)	Annual day practice	Annual Day Practice
October (21days)	Instrumental Guitar – A,Am,E,Em Keyboard – Major Chords Chords Tabla,-Chuataal&Rupak	Students will Learn A,Am,E,Em Chords in Guitar & Minor Chords In Keyboard.
November (18 days)	Instrumental Guitar – A,Am,E,Em Keyboard – Songs on Major Chords Chords Tabla,-Chuataal&Rupak X-Max Song	Students will Learn A,Am,E,Em Chords in Guitar & Minor Chords In Keyboard. & Students will Learn Coral singing
December (22 days)	Patriotic song	They will learn Group Song for 26th January
January (22days)	Project/ ppt	Students will Learn About Music and They will Learn Importance of Music In our Life.
March	Exam	

SUBJECT- DANCE

Month	Syllabus		Learning Outcomes	
April	Patriotic Dance –Fusion Based		To Understanding of foot work, improved balance coordination	
May				
June	Dance on theme River/Water		To Developed their performing skill	
July	Patriotic Dance item		To Improvement Physical Clarity & posture	
August	Preparation for 15 th August		To Learning contemporary dance style	
September	Learning 10 mudra & Angle in BN (AIL) /Dusshera		To Learning Hand Gestures	
October	Preparation for Annual function/Dusshera		To New Cultural Experience	
November	Preparation for Annual function		To New Cultural Experience	
December	Role play of freedom fighter (AIL)		To Increase ability in self-reflection with patriotism	
January	Republic day Dance –Patriotic theme		To Increase ability in self-reflection with patriotism	
February	Folk Dance		To Learning Thematic Dance	
March	Revision /Exam			
AIL Topics	(1st Quarter) Drainage(Dance on theme River)	(2nd Quarter) Angle in Bharatnatyam (Project)	(3rd Quarter) Role play of freedom fighter	(4th Quarter) Folk Dance of Nepal

SUBJECT-PHYSICAL EDUCATION

Month	Syllabus	Learning Outcome
April (19)	The basic commands like stand at ease and attention and line formation	Students will be able to follow basic commands
June(08)	The mass drill activity 5 exercise, Zumba, aerobics etc	Students are able to perform mass drill
July(23)	Kabaddi – This month students are going to learn basic and advance skill of kabaddi Attacking skill- back kick,side kick, toe touch,hand touch Defacing skill- ankle hold, waist holding, thigh holding, chain tackle,blocks	The students will learn the kabaddi game and will get prepared for the inter house competition
August(23)	Kho-Kho Chasing skills: Sudden Change of direction, Tapping, Diving, Grasping Direction, Fake Kho, Late Kho, Giving Kho. Running Skills: Running: Zig Zag, Avoiding, Dodging, Position on Kho Kho Playground.	The students will learn the Kho Kho game.
September(22)	Chess The students are going to learn basic and advance skill of chess	The students are able to play chess
October(21)	Throwball Attacking skill- spin throw, jump and throw, service Defacing skill- hold from left side and write side	The students will learn the Throwball.
November(18)	Football Attacking skill- Shooting, Decision making, Heading, Chipping Defacing skill- Blocking, Passing, Dribbling	The students will learn the skating
December(22)	Athletic events like long jump, relay and running events.	The students will be able to perform the Athletic events.
January(24)	Exam preparation	Students will get ready for final exams