

SYLLABUS (2024-25)
CLASS X

SUBJECT- ENGLISH				
Books: 1. First Flight (NCERT)				
2. Footprints without Feet (NCERT)				
3. Workbook (NCERT)				
4. NCERT based worksheets on English (Optional) (PP Publication)				
Month	Book Name	Syllabus	Activities	Learning Outcome
April	First Flight	Prose: Ch-1 A Letter to God i) Ch-2 Nelson Mandela ii) His First Flight iii) Black Aeroplane Poem: Ch-1 Dust of Snow Ch-2 Fire and Ice	1) Writing a review and presenting a Speech on the film 'Twelve Years a Slave'	1) Belief in God and development of optimism 1) Acknowledgement of importance of freedom and democratic rights 1) Love for nature 2) All about jealousy and hatred
	Footprints without Feet	Ch-1 A triumph of Surgery		1) Love and care for animals
	WRITING	-		
	GRAMMAR	Tenses	Preparing a chart on Tenses (with formulas and examples)	1) Speaking and writing sentences in targeted tense
	COMPREHENSION	-		
June	First Flight	Prose: Ch-3 Two Stories about Flying Poem: Ch-3 A Tiger in the Zoo Ch-4 How to Tell Wild Animals	1) Narrating a story on the topic: A Mysterious Incident of the Life' 2) Speech on 'Treats to Wild	1) Development of courage 2) Interest in mysterious stories 1) Empathy and love for wild animals

			Animals' Life, Freedom and Habitat'	
	Footprints without Feet	Ch-2 The Thief's Story		1) Development of humanity and helpfulness 2) Value of friendship
	WRITING	Formal Letter –Complaint		1) Format and content
	GRAMMAR	Tenses (Continued)		1) Speaking and writing sentences in targeted tense
	COMPREHENSION	Discursive Passage		1) Comprehension skill needed to understand any article, discourse etc thoroughly.
July	First Flight	Prose: Ch-4 From the Diary of Anne Frank Ch-5 i) The Hundred Dresses -I Poem: Ch-5 The Ball Poem	1) Watching the film 'The Boy in the Striped Pyjamas' and sharing its review in the class.	1) History and consequences of concentration camps 1) History of immigration in America 2) Respect for people of other communities 1) development of maturity
	Footprints without Feet	Ch-3 The Midnight Visitor		1) Introduction to the genre of crime fiction
	WRITING	Formal Letter –Enquiry, Placing Order		1) Format and content
	GRAMMAR	Modals		1) Correct usage of modal auxiliaries while speaking and writing
		Subject-verb Concord		1) Use of correct form of verb according to subject
	COMPREHENSION	Case-based Passage		1) Comprehending and analysing any passage with statistical data, diagram etc.

August	First Flight	Prose: Ch-5 ii) The Hundred Dresses -II Ch-6 Glimpses of India Poem: Ch-6 Amanda	1) Extempore speech delivery on 'The Best Places that I visited in India' 1) Extempore speech on 'The Challenges I face while I'm Growing up'	1) Development of empathy towards immigrants 1) Development of love for country and nature 2) Acknowledgement of cultural diversity in India 1) Acknowledgement of challenges faced by growing up children 2) Knowledge of metaphor, simile and allusion
	Footprints without Feet	Ch-4 A Question of Trust Ch-5 Footprints without Feet		1) Introduction to the genre of crime fiction 1) Learn about supernatural activities
	WRITING	Formal Letter –To the editor		1) Format and content
	GRAMMAR	Reported Speech		1) Narration of dialogues without any grammatical error
	COMPREHENSION	Discursive Passage		1) Comprehension skill needed to understand any article, discourse etc thoroughly.
September	First Flight	Prose: Ch-7 Mijbil the Otter Poem: Ch-7 Animals		1) Love for wild animals 1) Learning values from nature and habits of animals
	Footprints without Feet	Ch-6 The Making of a Scientist	Quiz on 'The Indian Scientists and Their Achievements'	1) Development of curiosity about scientists and their contributions
		Ch-7 The Necklace		1) Introduction to storytelling with twisted end 2) Enhancement in story narration

	WRITING	Analytical Paragraph (Map, Chart)		1) To analyse any chart, table, diagram etc and describe the details in words instead of pictorial representation
	GRAMMAR	Reported Speech (continued), Command and Request, Statements		1) Narration of any dialogue without any grammatical error 1) Speaking and writing sentences of commands, requests, advise etc without any grammatical error
	COMPREHENSION	Case-based passage		1) Comprehending and analysing any passage with statistical data, diagram etc.
October	First Flight	Prose: Ch-8 Madam Rides the Bus		1) Development of curiosity, independence and self-responsibility
		Poem: Ch-8 The Trees	1) Speaking on 'My interpretation of the poem, The Trees' 2) Watching the film 'Wadjda' and writing its review	1) Love for nature 2) Development of interpretation skills needed in poems
		Ch-9 Fog	1) Recitation of short poems from European and American literature	1) Love for nature and winter season
		Ch-10 The Tale of Custard the Dragon		1) Introduction to the 'ballad' genre of poetry
	Footprints without Feet	Ch-8 The Hack Driver		1) Learning the art of characterisation necessary in a good story
		Ch-9 Bholi	Watching the documentary 'Most Dangerous Ways to School' on the channel 'Free Documentary' and writing a	2) Familiarity with village life 1) Understanding the value of education 2) Development of empathy and helpfulness towards 'specially-

			review	abled children'
	WRITING	Analytical Paragraph (Report, line graph, pie chart)		1) To analyse any chart, table, diagram etc and describe the details in words instead of pictorial representation
	GRAMMAR	Determiners Prepositions		1) Correct usage of determiners while speaking and writing 1) Correct usage of preposition while speaking and writing
	COMPREHENSION	Discursive Passage		1) Comprehension skill needed to understand any article, discourse etc thoroughly.
November	First Flight	Prose: Ch-9 The Sermon at Benares Ch-10 The Proposal Poem: Ch-11 For Anne Gregory	Watching any documentary on 'Life and teachings of the Buddha' and group discussion on the same	1) Learning the gist of 'Buddhism' 2) Knowledge of the Buddha's life 1) Identifying the 'farce' genre of play 2) Learning about marital traditions in Russia and comparing it those in India 1) Differentiation between true love and fake love 2) Impermanence of physical beauty
	Footprints without Feet	Ch-11 The Book that Saved the Earth		1) Knowledge about sci-fi genre
	WRITING	Analytical Paragraph (Cues)		1) To analyse any chart, table, diagram, cues etc and describe the details in words instead of pictorial representation
	GRAMMAR	Use of Passive Voice		1) Identification of passive voice while listening and reading

		Clauses		2) Using sentences of passive voice while writing and speaking without any error 1) Identification of clauses while listening and reading 2) Using sentences having clauses while speaking and writing
	COMPREHENSION	Case-based passage		1) Comprehending and analysing any passage with statistical data, diagram etc.
December	First Flight	Prose: Revision (Ch1 to 4) Poem: Revision (Poem 1 to 4)		
	Footprints without Feet	Revision (Ch1 to 4)		
	WRITING	Revision (Formal Letter)		
	GRAMMAR	Revision (Tenses, Modals, Subject-verb Concord, Reported Speech)		
	COMPREHENSION	Case-based Passage		
January	First Flight	Prose: Revision (Ch5 to 7) Poem: Revision (Poem 5 to 8)		
	Footprints without Feet	Revision (Ch5 to 7)		
	Feet			
	WRITING	Revision (Analytical Paragraph)		
	GRAMMAR	Revision (Command and Request, Statements, Questions,		

		Determiners, Use of Passive Voice)	
	COMPREHENSION	Discursive Passage	
February	First Flight	Prose: Revision (Ch 8 to 10) Poem: Revision (Poem 9 to 11)	
	Footprints without Feet	Revision (Ch8 to 10)	
	WRITING	Revision (Formal Letters and Analytical Paragraph)	
	GRAMMAR	Revision (Clauses, Prepositions)	
	COMPREHENSION	Case-based Passage	
March	Annual Examination		
Syllabus PT I	First Flight	Prose: Ch1-3 Poem: Ch1-3	
	Footprints without Feet	Ch1, Ch2	
	WRITING	Formal Letter –Complaint	
	GRAMMAR	Tenses	
Syllabus PT II/ HY	First Flight	Prose: Ch1-6 Poem: Ch1-6	
	Footprints without Feet	Ch1-5	
	WRITING	Formal Letter –Complaint, Enquiry, Placing Order, To the Editor	
	GRAMMAR	Tenses, Modals, Subject-verb Concord, Reported Speech	
	COMPREHENSION	Discursive Passage, Case-based	

		Factual Passage	
	First Flight	Prose: Ch7, Ch8 Poem: Ch7, Ch8	
	Footprints without Feet	Ch6-8	
	WRITING	Analytical Paragraph	
	GRAMMAR	Tenses, Modals, Subject-verb Concord, Reported Speech, Determiners, Prepositions	
Syllabus PT III/PB	Whole syllabus as per C.B.S.E		
Syllabus ANNUAL EXAMINATION	Whole syllabus as per C.B.S.E		

SUBJECT- HINDI

पाठ्यपुस्तक - स्पर्श <input type="checkbox"/> संचयन <input type="checkbox"/> व्याकरण				
Month	Book Name	Syllabus	Activities	Learning Outcome
April	स्पर्शसंचयन	1 <input type="checkbox"/> हरिहर काका 2 <input type="checkbox"/> साखी 3 <input type="checkbox"/> बड़े भाई साहब	1 <input type="checkbox"/> आप मडियाकर्मी हैं एक संवाददाता के <input type="checkbox"/> में हरिहर काका के गाँव की दशा का वर्णन कीजिए। 1 <input type="checkbox"/> भक्त कवि कबीर <input type="checkbox"/> गुरु <input type="checkbox"/> नानक <input type="checkbox"/> नामदेव और मीराबाई की रचनाओं का संकलन कीजिए।	1 <input type="checkbox"/> छात्र रिश्तों के मध्य आई स्वार्थपरता <input type="checkbox"/> नलोलुपता <input type="checkbox"/> धर्म की आड़ में किये जाने वाले अनैतिक कार्यों के बारे में जान पाने में सक्षम हो सकेंगे। ऐसी धार्मिक संस्थाओं के प्रति सजग हो पाने में सक्षम हो सकेंगे। 2 <input type="checkbox"/> छात्र अपने जीवन में नैतिकता को अपना सकेंगे <input type="checkbox"/> असंगति का महत्व समझ सकेंगे <input type="checkbox"/> ईश्वर के महत्व को समझ पाने में सक्षम हो सकेंगे। 3 <input type="checkbox"/> छात्र पाठ के मर्म को समझ कर रिश्तों तथा प्रेम के महत्व को समझ पाने में सक्षम हो सकेंगे।
	व्याकरण	1 अपठित गद्यांश पद्यांश 2 अनुच्छेद लेखन 3 पदबंध		4 व्याकरणिक नियमों की जानकारी <input type="checkbox"/> शुद्ध व प्रभावशाली भाषा का प्रयोग <input type="checkbox"/> अर्थ ग्रहण कर लिखना।
June	स्पर्शसंचयन	5 <input type="checkbox"/> वाक्य 6 <input type="checkbox"/> डायरी का एक पन्ना	भारत के स्वतंत्रता संग्राम के लिए जिन क्रांतिकारियों ने अपना बलिदान दिया उनमें से किन्हीं छः क्रांतिकारियों का नाम लिखिए	व्याकरणिक नियमों की जानकारी <input type="checkbox"/> शुद्ध व प्रभावशाली भाषा का प्रयोग <input type="checkbox"/> अर्थ ग्रहण कर लिखना 9 <input type="checkbox"/> वाक्य <input type="checkbox"/> वाक्य के खंड और वाक्य के प्रकार लिख सकेंगे। 5 <input type="checkbox"/> छात्र भारत के स्वतंत्रता संग्राम के लिए क्रांतिकारियों के प्रयास एवं बलिदान को समझ पाने में सक्षम हो सकेंगे।
	व्याकरण	4 पत्र लेखन <input type="checkbox"/> औपचारिक <input type="checkbox"/> 5 मुहावरे		बुद्धि और ज्ञान की परिपक्वता <input type="checkbox"/> विचारों की विशालता <input type="checkbox"/> विषय का ज्ञान <input type="checkbox"/> अभिव्यक्ति की शक्ति और भाषा पर नियंत्रण। मुहावरो का प्रयोग कर छोटे <input type="checkbox"/> जीवक व स्वभाविक लेखन द्वारा घटना <input type="checkbox"/> को आगे बढ़ाना
	स्पर्शसंचयन	7 <input type="checkbox"/> मनुष्यता		7 <input type="checkbox"/> छात्र मनुष्यता के सर्वोच्च गुणों को पहचान कर अपने जीवन में उन कुछ

July		8 <input type="checkbox"/> मत्स्य <input type="checkbox"/> वामिरो कथा 9 पर्वत प्रदेश में पावस	पौराणिक कथा के किसी एक दृश्य का चित्र बनाना।	गुणों को उतार पाने में सक्षम हो सकेंगे। 9 छात्र प्रकृतिके सौंदर्य एवं उसके मानवीकरण को जानकर अपनी कल्पना शक्ति का प्रयोग कर पाने में सक्षम हो सकेंगे।
	व्याकरण	5 <input type="checkbox"/> विज्ञापन 7 <input type="checkbox"/> सूचना लेखन		आकर्षक विज्ञापन बनाना <input type="checkbox"/> उत्पादों के संबंध में अपने मत की पुष्टि के लिए उचित वातावरण तैयार करना। व्याकरणिक नियमों की जानकारी <input type="checkbox"/> शुद्ध व प्रभावशाली भाषा का प्रयोग <input type="checkbox"/> अर्थ ग्रहण कर लिखना
August	स्पर्शक्रसंचयन	10 <input type="checkbox"/> तीसरी कसम के शिल्पकार शैलेन्द्र 11 <input type="checkbox"/> तीप 13 <input type="checkbox"/> अब कहा दूसरों के दुख में दुखी होने वाले	“तीसरी कसम” फिल्म देखेंगे व उसके निर्माण पर विवेचना करेंगे।	10 <input type="checkbox"/> छात्र एक सार्थक एवं उद्देश्यपरक फिल्म क्या होती <input type="checkbox"/> यह समझ पाने में सक्षम हो सकेंगे। 11 छात्र स्वतंत्रता संग्राम के इतिहास की जानकारी पा सकेंगे। यह समझ सकेंगे कि प्रत्येक शक्ति का एक न एक दिन अंत अवश्य होता है। 13 <input type="checkbox"/> छात्र पशु पक्षियों के एवं प्रकृति के प्रति प्रेम उत्पन्न कर पाने में सक्षम हो सकेंगे <input type="checkbox"/> जीवों के प्रति दया का भाव उत्पन्न कर पाने में सक्षम हो सकेंगे।
	व्याकरण	10 समास		10 समास को परिभाषित कर उसके भेदों को लिख सकेंगे। समस्त पदों का समास विग्रह कर सकेंगे व दिए गए शब्दों का समासिक पद बनाकर समास के भेद का नाम लिख सकेंगे।
September	पुनरावृत्ति <input type="checkbox"/> अर्द्धवार्षिक परीक्षा			
October	स्पर्शक्रसंचयन			17 छात्र ये जान सकेंगे कि दोस्ती एवं प्रेम धर्म तथा उम्र को नहीं देखती। छात्र सच्ची एवं मासूम दोस्ती के महत्व को जान पाने में सक्षम हो

		<p>14 सपनों के से दिन</p> <p>16 <input type="checkbox"/> आत्मत्राण</p> <p>17 <input type="checkbox"/> टोपी शुक्ला</p>	<p>किसी एक प्रार्थनागीत का गायन करें।</p> <p>मनुष्य द्वारा प्रताडित किसी एक जीव की भवनाओं को नृत्य द्वारा प्रस्तुत</p>	<p>सकेंगे</p> <p>16 <input type="checkbox"/> छात्र ईश्वर के प्रति सच्ची आस्था एवं आत्ममनोबल को जागृत कर पाने में समर्थ हो सकेंगे। सक्षम हो सकेंगे।</p> <p>14 छात्र ग्रामीण परिवेश तथा ग्रामीण बच्चों के बचपन की जानकारी पा सकने में सक्षम हो सकेंगे। पूर्व शिक्षा पद्धति के दोषों को जानकर नवीन शिक्षा पद्धति से उसकी तुलना कर पाने में सक्षम हो सकेंगे।</p>
	व्याकरण	ईमेल लेखन		<p>व्याकरणिक नियमों की जानकारी <input type="checkbox"/> शुद्ध व प्रभावशाली भाषा का प्रयोग <input type="checkbox"/> अर्थ ग्रहण कर ईमेल लिखना।</p>
November	स्पर्शक्रसंचयन	<p>18 <input type="checkbox"/> गिन्नी का सोना</p> <p>19 <input type="checkbox"/> कारतूस</p>	<p>आदर्शवाद एवं यथार्थवाद में आप किसे श्रेष्ठ मानते हैं और क्यों <input type="checkbox"/> टिप्पणी करें।</p>	<p>18 <input type="checkbox"/> छात्र आदर्श एवं व्यावहारिकता के अंतर को समझ पाने में सक्षम हो सकेंगे तथा आदर्श मूल्यों को अपने जीवन में उतार सकेंगे।</p> <p>19 <input type="checkbox"/> छात्र स्वतंत्रता प्राप्ति के लिए प्रयासरत बहादुर लोगों के बारे में जानकारी प्राप्त कर पाने में सक्षम हो सकेंगे।</p>
	व्याकरण	लघु कथा लेखन		<p>व्याकरणिक नियमों की जानकारी <input type="checkbox"/> शुद्ध व प्रभावशाली भाषा का प्रयोग <input type="checkbox"/> अर्थ ग्रहण कर कथा लिखना।</p>
December	पुनरावृत्ति <input type="checkbox"/> प्री बोर्ड परीक्षा			
January	पुनरावृत्ति <input type="checkbox"/> प्री बोर्ड परीक्षा			
February	पुनरावृत्ति <input type="checkbox"/> प्री बोर्ड परीक्षा			

Syllabus PA I	स्पर्शक्रसंचयन 1 हरिहर काका 2 साखी 3 षडे भाई साहव 5 पद 6 डायरी का एक पन्ना व्याकरण 1 अपठित गद्यांश पद्यांश 2 पदबंध 3 पत्र लेखन 4 औपचारिक 4 पाठ्यपुस्तक के मुहावरे।			
Syllabus HY	स्पर्शक्रसंचयन 1 हरिहर काका 2 साखी 3 षडे भाई साहव 5 पद 6 डायरी का एक पन्ना 7 मनुष्यता 8 मता वासिरो कथा 9 पर्वत प्रदेश में पावस 10 सीसरी कसम के शिल्पकार शैलेन्द्र व्याकरण 1 अपठित गद्यांश पद्यांश 2 पदबंध 3 पत्र लेखन 4 औपचारिक 5 विज्ञापन 7 सूचना लेखन 8 मुहावरे			
Syllabus PA II	स्पर्शक्रसंचयन 1 3 अब कहा दूसरों के दुख में दुखी होने वाले 14 सपनों के से दिन 16 आत्मत्राण 17 टोपी शुक्ला व्याकरण 1 अपठित गद्यांश पद्यांश 2 ईमेल लेखन 9 वाक्य 10 समास 11			
Syllabus AE	सम्पूर्ण पाठ्यक्रम			
AIL Topics	(1 st Quarter)	(2 nd Quarter)	(3 rd Quarter)	(4 th Quarter)
	पाठ 1 हरिहर काका आप मडियाकर्मी है एक संवाददाता के प में हरिहर काका के गाँव की दशा का वर्णन कीजिए।	पाठ 7 मनुष्यता पौराणिक कथा के किसी एक दृश्य का चित्र बनाना।	पाठ 3 अब कहा दूसरों के दुख में दुखी होने वाले मनुष्य द्वारा प्रताडित किसी एक जीव की भवनाओं को नृत्य द्वारा प्रस्तुत करें।	पाठ 6 आत्मत्राण किसी एक प्रार्थनागीत का गायन करें।

PBL Topics	(1 st Quarter	(2 nd Quarter)	(3 rd Quarter)	(4 th Quarter)
	<p>किसी एक स्वतंत्रता सेनानी का भूमिका निर्वाहन कीजिए।</p>	<p>पर्वतीय क्षेत्र की किसी एक दृश्य का निर्माण करना ।</p>	<p>श्रवण-लेखन मूल्यांकन</p>	<p>पोर्ट फोलियों बनाना</p>

SUBJECT - MATHEMATICS

BOOK: A textbook for class X; by N.C.E.R.T

REFERENCE BOOK: Mathematics Exemplar problems For Class X; by N.C.E.R.T.

Month	Syllabus	Enrichment activities	Learning Outcomes
April	Ch 1 Real Numbers	Quiz on HCF and LCM of numbers.	<ul style="list-style-type: none"> Recall different number System and to apply HCF and LCM in different situations. Learn about EDL. Learn Fundamental theorem of Arithmetic Know about Proofs of irrationality of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$
	Ch 2 Polynomials	To obtain the condition for consistency for the system of equation in two variables by graphical method.	<ul style="list-style-type: none"> Recall the concept of polynomials. Compare the relation between zeroes and coefficients of a polynomial Comprehend the method to form a Polynomial.
	Ch 3 Pair of linear Equations in two Variables	To obtain the condition for consistency for the system of equation in two variables by graphical method.	<ul style="list-style-type: none"> Recall the concept Linear equation and its solution. Compare the consistency for different equations. To develop the skill of drawing graphs.
	Ch 14 Statistics	Students will have to note down the heights of all students of their class to find out the mean, median and mode of this data.	<ul style="list-style-type: none"> Recall the concept Mean, Mode and Median of raw data. Explore different methods to find out Mean, Median and mode.
June	Ch 15 Probability	Learning by doing: Coin tossing activity (two/ three coins together)	<ul style="list-style-type: none"> To recall the concept experimental probability and to correlate with theoretical probability. To understand the concept by doing hands on activity
	Ch 4 Quadratic Equation	Summarize the topic by Mind mapping which includes the General form of a Quadratic	<ul style="list-style-type: none"> Recall the concept of Quadratic Polynomial and correlate with linear equation and Quadratic equation.

		equation, solution by factorization and by Quadratic formula.	<ul style="list-style-type: none"> Explore different methods to solve Quadratic equation and apply it in different situations
	Ch 5 Arithmetic Progressions	Research on Geometrical Progression and to compare it with A.P.	<ul style="list-style-type: none"> Identify the series A.P and to select appropriate formula to find out a_n and S_n of the A.P. To identify the formula to find out a_n and S_n of the A.P.
July	Ch 6 Triangles	Proving Pythagoras theorem and BPT by Inductive – deductive method.	<ul style="list-style-type: none"> Explore different methods to prove the theorems. Recall different types of triangles and their properties. To apply the concept in different situation. To verify the concept by learning by doing.
	Ch 7 Coordinate Geometry	Points are to be plotted in Cartesian Plane on a graph paper and find out the distance between them.	<ul style="list-style-type: none"> To select appropriate formula to find out length of a line segment. To apply section formula in different situation
August	Ch 8 Introduction to Trigonometry	Making different Grids and to write the values of trigonometric ratios of specific angles.	<ul style="list-style-type: none"> Compare, explore and estimate trigonometric ratios & values of specific angles To prove Trigonometric identities
	Ch 9 Application of Trigonometry	Solving daily life situation related problem using Trigonometric ratios.	<ul style="list-style-type: none"> Apply Trigonometric ratios in solving day to day life situation. develop problem solving skills.
September	Ch 10 Circles	<ul style="list-style-type: none"> Verification of properties of circle using Geo board. Learning by doing hands on activity. 	<ul style="list-style-type: none"> Secant and Tangents of a circle. Theorems on tangents to a circle.
October	Ch 11 Construction	Demonstration method using basic geometrical instruments.	<ul style="list-style-type: none"> Construction of tangents to a given circle. Division of line segment in a given ratio

	Ch 12 Areas related to circle	Solving picture Work sheet to find out the area of shaded region of the given figure.	<ul style="list-style-type: none"> Recall area and circumference of a circle. Learn about area of sector, length of arc, area of segment and area of quadrant.
	Ch 13 Surface Areas & volumes	To find out surface area of combination of figures with the help of transparent solid models of cube, cylinder, cone etc.	<ul style="list-style-type: none"> To recall different solid shapes and their properties. To identify appropriate formula and to apply them to find out surface area and volume of combination of solids. To develop computational skill. Develop logical reasoning skill by proving theorem
November	Revision of PB		
December	Revision of		
January	Revision of PB		
February	Revision of AE Annual Examination		
March	Annual Examination		
Syllabus (PT – I)	Ch 1 to 4.		
Syllabus (HY/PT – II)	Ch 1 to 8.		
Syllabus (PT – III)/PB	Full syllabus		
Syllabus (AE)	Ch 1 to 15.		
AIL TOPICS	(1st Quarter) Ch 6 Triangles	(2nd Quarter) Ch 15 Probability	(3rd Quarter) Ch 14 Statistics.

PBL TOPICS	BPT	Sample Space for Coin, Dice and cards.	Project based on the traditional craft of the state Bihar

SUBJECT- SCIENCE

BOOKS:- Physics :NCERT, Reference: Lakhmir Singh & Manjeet Kaur(S .Chand Pub.)

Chemistry: NCERT, Reference: Lakhmir Singh & Manjeet Kaur(S .Chand Pub.)

Biology: NCERT

Month	Syllabus	Enrichment activities	Learning Outcomes
April	Physics- Light -Reflection and Refraction	Dispersion of light is observed through a glass prism and related questions are asked. Which kind of corrective mirror do you have in your home? What is its nature and its uses.	Students will be able to trace ray diagrams to locate the image of an object placed in front of spherical mirrors and lenses. Students will be able to trace ray diagrams to locate the image of an object placed in front of spherical mirrors and lenses.
	Chemistry: Chapter 1 Chemical reactions & Equations	Performing and observing the reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction	The students will be able to: • Demonstrate & verify chemical changes • Relate chemical changes to a daily life situations • Convert chemical change into word equation • Substitute it by symbols and formula
	Biology:	Make a working model of human	Structure and function of different system digestive circulatory respiratory and excretory system

	Chapter 6 Life processes	lungs	
June	Physics- Light -Reflection and Refraction: Dispersion of light is observed through a glass slab and related questions are asked.	Dispersion of light is observed through a glass slab and related questions are asked.	Students will be able to trace ray diagrams to locate the image of an object placed in front of spherical mirrors and lenses.
	Chemistry: Chapter 1 Chemical reactions & Equations	To Observe the action of Zn, Fe, Cu and Al metals on the following salt solutions: (i) ZnSO ₄ (aq) (ii) FeSO ₄ (aq) (iii) CuSO ₄ (aq) (iv) Al ₂ (SO ₄) ₃ (aq)	Compare the different types of reactions <ul style="list-style-type: none"> • Classify the reactions as oxidation or reduction • Apply oxidation in daily life
	Biology: Chapter 6 Life processes	Make a working model of human lungs	Structure and function of different system respiratory and excretory system
July	Physics: The human eye and the colorful world.	Which kind of corrective lens do you have in your spectacles? What is its Power and its corresponding focal length	Students will be able to differentiate between the eye defects- Myopia and Hypermetropia.
	Chemistry: Chapter 2 Acids, Bases & Salts	Activity to Check whether a substance is acid or base with the help of 1.litmus paper 2.phenolphthalein indicator. 3.methyl orange indicator	Identify the substances as acids or bases. <ul style="list-style-type: none"> • Properties of acids and bases Identify the parent acid and base from which the salt is formed • Tabulate the salts into their families • Predict and check the pH of few common salts • Study of some salts of daily use like : Baking soda, Washing soda, Plaster of paris Bleaching powder

	Biology Chapter 7 control and coordination	Dancing movements to show balancing	Nervous tissue reflex action animal and plant hormones
August	Physics : Electricity	Wires of different lengths and thickness rolled out from 'atta' dough and LEDs are used to make circuits to check the factors that determine the resistance of a conductor	Students will understand that resistivity is independent of the length and cross section of the conductor.
	Chemistry: Chapter -3 Metals and non metals	To prepare a chart of periodic table highlighting metals, non metals and metalloids with different colour.	The students will be able to: <ul style="list-style-type: none"> • Demonstrate properties of metals and non-metals • Compare properties of both metals and non-metals <ul style="list-style-type: none"> • Identify metals and nonmetals from the given samples • Tabulate the reactivity series of metals • Arrange metals into ascending and descending order of reactivity • Draw schematic diagrams for ionic compounds • Demonstrate properties of ionic compounds • Draw schematic diagrams for ionic compounds • Demonstrate properties of ionic compounds
	Biology: Chapter 7 Control and coordination	Make a project on e -waste	Environmental pollution ecosystem food chain and food web
September	Physics: Electricity	Wires of different lengths and thickness rolled out from 'atta' dough and LEDs are used to make circuits to check the factors that determine the resistance of a conductor	Students will be able to apply the various relations between E,P,I,R and V to solve numerical problems.

	<p>Chemistry: Chapter 3:Metals and Non metals (contd)</p> <p>Chapter 4:Carbon and its compounds</p>	<p>Activity: To prepare a chart reactivity series of elements.</p> <p>Study of the comparative cleaning capacity of a sample of soap in soft and hard water.</p>	<p>Know about basic concepts of Metallurgy. Come to know about the Extraction of metals from their ores based on their reactivity. Refining of metals.</p> <p>Organic compounds</p> <p>Hydrocarbons and their derivatives</p> <p>Homologous series</p> <p>Apply the general formula of homologous series</p>
	<p>Biology: chapter 8 How do Organism reproduce</p>	<p>Dissect a flower and display male and female reproductive System.</p>	<p>Different method of sexual and asexual reproduction in plants and animals.</p>
October	<p>Physics : Magnetic effect of electric current</p>	<p>To demonstrate the phenomenon of electromagnetic Induction.</p>	<p>Students will learn that the force acting on a current carrying conductor placed in the magnetic field depends upon (i) length (ii) magnetic field (iii) current.</p>
	<p>Chemistry: Ch 4: Carbon & its Compounds</p>	<p>To draw the structure of different functional group</p> <p>Study of the comparative cleaning capacity of a sample of soap in soft and hard water.</p>	<ul style="list-style-type: none"> • Identification of functional group. • Able to write IUPAC Nomenclature • Get idea of Soaps and Detergents • Cleansing actions of soaps. • Difference between soaps & detergents • Basic idea of Ethanol & Ethanoic acid ,their properties. • Denatured alcohol
	<p>Biology: Chapter 8 How do Organism reproduce? Chapter 15 Our Environment</p>		<p>Sexual reproduction in human</p>

November	Chemistry: Revision of Pre-board Exam I	Revision of questions based on Practical's	The students will be able to: <ul style="list-style-type: none"> •Recapitulate their learning. • Reflect upon their interpretation skills. • Reflect upon their writing and learning skills. •Produce their learning in the form of written and oral assessment.
December	Biology: Chapter 9 Heredity	Find about latest technological advancement in cloning	Law of heredity & determination evolution
	Physics :Revision of Pre-board Exam	Revision-questions Practical based	The students will be able to: <ul style="list-style-type: none"> • Recapitulate their learning. • Reflect upon their interpretation skills. • Reflect upon their writing and learning skills. • Think logically • Solve application based questions and numerical.
	Chemistry: Revision of Pre-board II and Annual Exam PB I-Full syllabus	Revision-questions Practical based	The students will be able to: <ul style="list-style-type: none"> •Recapitulate their learning. • Reflect upon their interpretation skills. • Reflect upon their writing and learning skills. • Think logically • Solve application based questions
January	Chemistry: Revision Board Exam Physics :Revision of Board Exam PB II-Full syllabus		

	Revision – Board exam			
February	Revision – Board exam			
March	Board Exam			
Syllabus (PT – I)	Physics: Light -Reflection and Refraction. Chemistry: Ch 1 Chemical reactions & Equations, Biology: Chapter 6- Life process			
Syllabus (HY/PT – II)	Physics : Light -Reflection and Refraction, The human eye and the colorful world. Chemistry : Ch-2 Acids, Base and salts, Ch-3 Metals & Non Metals Biology : Chapter 6- Life process Chapter 7- Control and coordination Chapter 8- How do organisms reproduce?			
Syllabus (PT – III)/PB	Physics : Full syllabus Chemistry: Full syllabus Biology: Full syllabus			
Syllabus (AE)	Full Syllabus			
AIL TOPICS	(1st Quarter) Make a working model of human lungs.	(2nd Quarter) To observe, analyze and plot the graph for different V & I values of the different conductors in different temperature	(3rd Quarter) Art integrated project on mineral ores of Bihar	(4th Quarter) To prepare ball and stick model showing different hydrocarbons and functional groups.
PBL TOPICS	To study the Resistor, Resistance and Resistivity by using the ohm's law and electric circuit.	Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: a) Litmus solution (Blue/Red) b) Zinc metal c) Solid sodium carbonate	Make the Telescope and Binoculars toy using waste materials which describe any one or more laws of reflection and refraction. Present your toy and explain the concept in form of a video.	Make a report on e waste

Practical's: LIST OF EXPERIMENTS

1. (A). Finding the pH of the following samples by using pH paper/universal indicator:

- (i) Dilute Hydrochloric Acid
- (ii) Dilute NaOH solution
- (iii) Dilute Ethanoic Acid solution
- (iv) Lemon juice
- (v) Water
- (vi) Dilute Hydrogen Carbonate solution

(B). Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:

- a) Litmus solution (Blue/Red)
- b) Zinc metal
- c) Solid sodium carbonate

2. Performing and observing the following reactions and classifying them into:

- A. Combination reaction
- B. Decomposition reaction
- C. Displacement reaction
- D. Double displacement reaction

- (i) Action of water on quicklime
- (ii) Action of heat on ferrous sulphate crystals
- (iii) Iron nails kept in copper sulphate solution
- (iv) Reaction between sodium sulphate and barium chloride solutions

3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:

- i) $\text{ZnSO}_4(\text{aq})$
- ii) $\text{FeSO}_4(\text{aq})$
- iii) $\text{CuSO}_4(\text{aq})$
- iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.
5. Determination of the equivalent resistance of two resistors when connected in series and parallel.
6. Preparing a temporary mount of a leaf peel to show stomata.
7. Experimentally show that carbon dioxide is given out during respiration.
8. Study of the following properties of acetic acid (ethanoic acid):
 - i) Odour
 - ii) solubility in water
 - iii) effect on litmus
 - iv) reaction with Sodium Hydrogen Carbonate
9. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.
10. Determination of the focal length of: i) Concave mirror ii) Convex lens by obtaining the image of a distant object.
11. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
12. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.
13. Tracing the path of the rays of light through a glass prism.
14. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean)

SUBJECT- SOCIAL SCIENCE

BOOKS: History: India and the contemporary World-II
Geography: Contemporary India-II
Civics: Democratic Politics-II
Economics: Understanding Economic development
PUBLISHED BY: N.C.E.R. T

Month (Days)	Syllabus	Learning Outcomes	Enrichment Activities
April	<p>Civics: Chapter1-Power Sharing Chapter 2-Federalism</p> <p>Geography: Chapter 1-Resources and Development Chapter 2- Forest and Wildlife</p> <p>Economics: Chapter1-Development</p> <p>Economics: Chapter-2 Sectors of the Economy</p>	<ul style="list-style-type: none"> • Understand the working of spatial and social power sharing mechanisms. • Analyze federal provisions and institutions. • Explain the decentralization in rural and urban areas. • Understand the value of resources and the need for their judicious utilization and conservation. • Understand the importance of forest and wildlife in one environment as well as develop concept towards depletion of resources. • Understand the importance of quality of life and sustainable development. • Identify the major employment generating sectors. • Reason out the government investment in different sections of economy 	<ul style="list-style-type: none"> • Draw a flow chart of the classification of resources with two examples of each of them. • Read any newspaper for one week and make clippings of news related to ongoing conflicts or wars. Make a group of five students and pool their clipping together and answer the questions. • Complete the Survey table given on page 36 about the organized and unorganized sector in the city.
June	<p>History: Chapter 1: The Rise of Nationalism in Europe</p>	<ul style="list-style-type: none"> • Understand the way the idea of nationalism emerged and led to the formation of nation states in Europe and Elsewhere. 	<ul style="list-style-type: none"> • Prepare a presentation on unification of nation states in the 19th century Europe.

<p>July</p>	<p>History: Chapter-2 Nationalism in India Geography: Chapter-3 Water Resources Chapter 4- Agriculture</p>	<ul style="list-style-type: none"> • Recognize the characteristics of Indian nationalism through a case study of Non-Cooperation and Civil Disobedience Movement. • Comprehend the importance of water as a resource. • Explain the importance of agriculture in the national economy and policies for institutional as well as technological reforms and independence. 	<ul style="list-style-type: none"> • Prepare a Skit on the freedom Struggle of India. • Prepare a presentation on the various types of crops grown in India.
<p>August</p>	<p>Economics: Chapter 3-Money and Credit Chapter 4- Globalization and the Indian Economy Civics: Chapter-4 Gender, Caste and Religion Chapter 6- Political Parties</p>	<ul style="list-style-type: none"> • Understand money as an economic concept and the role of financial institutions from the point of view of day-to-day life. • Explain the working of the Global Economic phenomenon. • Identify and analyze the challenges posed by communalism to Indian democracy. • Analyze the party system in India. 	<ul style="list-style-type: none"> • Prepare a skit on political and social impact of globalization on the Indian economy. • Look carefully at the picture given on page 41 and discuss all the perceptions of ideal women that prevail in our society.
<p>September</p>	<p>History: Chapter 3- The Making of Global World</p>	<ul style="list-style-type: none"> • The making of global world through the industrialization and globalization 	<ul style="list-style-type: none"> • Make a list of changes taking place during the period of industrialization.

<p>October</p>	<p>Geography: Chapter-5 Minerals and Energy Resources Chapter 6 Manufacturing Industries Civics: Chapter 7- Outcomes of Democracy History: Chapter-4 The Age of Industrialization</p>	<ul style="list-style-type: none"> • Identify different types of minerals and energy resources and places of their availability. • Bring out the importance of industries in the national economy as well as understand the regional disparities. • Understand the causes for continuation of democracy in India. • Familiarize with the Pro-to-Industrial phase and early factory system. 	<ul style="list-style-type: none"> • Collect Information about various minerals found in India and speak a few lines about it in the class. • Prepare a talk on the importance of democratic government.
<p>November</p>	<p>History: Chapter 5- Print Culture and the Modern World Geography: Chapter 7 Lifelines of the National Economy Revision</p>	<ul style="list-style-type: none"> • Identify the link between print culture and the circulation of ideas. • Understand the role of trade and tourism in the economic development of a country. 	<ul style="list-style-type: none"> • Write an article on any of the social evil prevailed during the 18th century.
<p>December</p>	<p>Revision & Pre Board Examination</p>		
<p>Syllabus (PT-I)</p>	<p>Civics:Chapter1-Power Sharing, Geography: Chapter 1-Resources and Development, Economics:Chapter1-Development, History: Chapter 1: The Rise of Nationalism in Europe</p>		
<p>Syllabus (HY/PT-II)</p>	<p>Civics: Chapter1-Power Sharing, Chapter 2-Federalism, Chapter-4 Gender, Caste and Religion Geography: Chapter 1-Resources and Development, Chapter 2- Forest and Wildlife, Chapter-3 Water Resources Economics: Chapter1-Development, Chapter-2 Sectors of the Economy History: Chapter 1: The Rise of Nationalism in Europe, Chapter-2 Nationalism in India</p>		
<p>Syllabus (Pre-Board/PT-III)</p>	<p>Full Syllabus</p>		

	(1 st Quarter)	(2 nd Quarter)	(3 rd Quarter)	(4 th Quarter)
AIL TOPICS	Federalism Create a visual representation of federalism, such as a map of India or USA that shows the distribution of power between the federal government and the states.	Sustainable Development Goals Poster on Sustainable development goals	Incredible India Comparative study of states Manipur and Sikkim.(Group Activity).	Mind Maps Create the mind map of the chapter outcomes of democracy.
PBL TOPICS	Every student has to compulsorily undertake any one project on the following topics: Consumer Awareness OR Social Issues OR Sustainable Development			

SUBJECT-ART

Month	Syllabus	Learning Outcome
April	Modern Art Painting	Learn draw and colour using colours.
June	Modern Art Painting	Learn draw and colour using colours.
July	Madhubani Painting	Learn draw and colour using colours.
August	Madhubani Painting	Learn draw and colour using colours.
September	Design Painting	Learn draw and colour using colours.
October	Design Painting	Learn draw and colour using colours.

November	Landscape	Learn draw and colour using colour and strokes.
December	Landscape	Learn draw and colour using colour and strokes.
January	Warli Painting	Learn draw and colour using colour and strokes.
February	Warli Painting	Learn draw and colour using colour and strokes.
March	ANNUAL EXAMINATION	

SUBJECT-CRAFT	
Syllabus	Learning Outcome
Foam Work	Making clay molding using cardboard.
Foam Work	Making clay molding using cardboard.
Wall Hanging	Making using old newspaper
Wall Hanging	Making using old newspaper
Tissue Textuned	Making textuned using tissue paper.
Tissue Textuned	Making textuned using tissue paper.
Embroidery	Making thread colour full using needle.
Embroidery	Making thread colour full using needle.
Bowl	Making old newspaper collage
Bowl	Making old newspaper collage
ANNUAL EXAMINATION	

MUSIC:

Month	Syllabus	Learning Outcomes
April	Kawayat sargam along with Instruments Swar gyan (Vocal and instrumental)	Kawayat sargam along with Instruments Swar gyan (Vocal and instrumental)
June	Revision	Students will revise everything from Starting.
July	Rupak Taal – Taali Khali And Theka Drum – 8/8 (Patterns with Rolls) Guitar - D,Dm Keyboard – Major Chords	They will learn Taali, Khali, Rolls etc. & major Chords in keyboard.
August	Patriotic Song	Considering music as a way celebrating Independence Day.
September	Annual Day Practice	Annual Day Practice
October	Annual day practice	Annual Day Practice
November	Instrumental Guitar – A,Am,E,Em Keyboard – Song on Major Chords Chords Tabla,-Chuataal & Rupak	Students will Learn A,Am,E,Em Chords in Guitar & Minor Chords In Keyboard.
December	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
January	Patriotic song	They will learn Group Song for 26th January
February	Project/ ppt	Students will Learn About Music and They will Learn Importance of Music In our Life.

SUBJECT- DANCE

Month	Syllabus		Learning Outcomes	
April	Bhoomi Pranam & Contemporary Dance Steps		To Develop Basic Understanding of foot work, improved balance coordination	
May				
June	Theme Dance steps		To Developed their performing skill	
July	Fusion-Patriotic Dance item		To Improvement Physical Clarity & posture	
August	Independence Day & project		To Learning contemporary dance style	
September	Glimpse of India (AIL)		To Learning Hand Gustier	
October	Preparation for Annual function		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	Fusion -Patriotic Dance		To Increase ability in self-reflection with patriotism	
February	AIL		Learning Thematic Dance	
March	Revision /Exam			
AIL Topics	(1 st Quarter) Forest & Wild life(Dance on theme Forest)	(2 nd Quarter) Glimpse of India (Project)	(3 rd Quarter) AIL	(4 th Quarter) AIL

Note-Internal assessment will be done on the basis of class attendance, class performance and project work based on prescribed syllabus