



BGS Vijnatham School

॥ विद्या - ज्ञान विज्ञान तन्त्रज्ञान सहितम् ॥

ANNUAL CURRICULUM PLAN

STEP - X



ANNUAL CURRICULAM PLAN (2023 – 24)

STEP: X

SUBJECT: English

Book (s): First Flight; Footprints without Feet

Writing skills (Indiannica Learning), Words and Expressions

Months: April – May

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based			
<p>Prose (First Flight)</p> <ul style="list-style-type: none"> A letter to God Nelson Mandela - Long Walk to Freedom Two Stories About Flying <p>Poetry</p> <ul style="list-style-type: none"> Dust of Snow Fire and Ice A tiger in the Zoo <p>Supplementary Reader (Footprints Without Feet)</p> <ul style="list-style-type: none"> A triumph of Surgery The Thief's Story The Midnight Visitor <p>Grammar</p> <ul style="list-style-type: none"> Tense: Past, Present and Future <p>Writing Skill</p> <ul style="list-style-type: none"> Formal letter (Letter to Editor; Letter of Complaint / Order / Enquiry) <p>Words and Expression - Units 1 to 4</p>	<ul style="list-style-type: none"> Analyze the relationship between characters, and events in the story Assess understanding of the given lesson and associated grammar concepts Familiarity with the pattern / structure of writing the 'Formal letter' Develop a sense of understanding for the format and importance of writing a letter 	<ul style="list-style-type: none"> Analyzing the character-traits of different characters Identify elements of a story (Characters, Theme/Plot, Setting, Conflict (challenge), Resolution) To use the critical / thinking ability and go beyond the text and come up with an alternative ending 	<p>Activities:</p> <ul style="list-style-type: none"> Poster designing (Art integration): How to save water in summer and when it's in excess Filling out the form to send money using money order. Speech: 1. How to solve the difficult situation in life? 2. True liberty is freedom from poverty, deprivation, and all forms of discrimination.) Research and summarize the findings (Black American and their fight against discrimination) <p>Resources;</p> <ul style="list-style-type: none"> Structured Worksheets 	<ul style="list-style-type: none"> Vocabulary enhancement Letter writing (e.g., application of the elements to compose a personal letter in a clear, and coherent manner) Able to conduct the research and summarize the findings using appropriate tense and sentence structure 	<ul style="list-style-type: none"> Reading Skills (Story / Poem Reading and Oral comprehension check) Listening Skills (ASL – listening to the letter – First Flight,) Speaking Skills (Speech) Writing skills (Formal Letter; Composition) Comprehension skills (Analyzing the Character, e.g., seagull and comparing it with a baby who learns to walk, Q&A, OTBA)

Months: July - August

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<p>Prose (First Flight)</p> <ul style="list-style-type: none"> From the Diary of Anne Frank Glimpses of India Mijbil the Otter <p>Poetry (First Flight)</p> <ul style="list-style-type: none"> How to Tell Wild Animals The Ball Poem Amanda! <p>Supplementary Reader (Footprints without Feet)</p> <ul style="list-style-type: none"> A Question of Trust Footprints Without Feet The making of a Scientist <p>Grammar</p> <ul style="list-style-type: none"> Reported Speech (Commands and Requests; Statements; Questions) Modals <p>Writing Skill:</p> <ul style="list-style-type: none"> Analytical Paragraph (based on outline/chart/cue/map/report etc.) Words and Expressions- Units 5 and 6 	<ul style="list-style-type: none"> Analyze the relationship between characters, and events in the story Assess understanding of the given lesson and associated grammar concepts (Reported Speech. Modals and Subject-verb Agreement) Familiarity with the pattern / structure of writing the paragraph 	<ul style="list-style-type: none"> Analyzing the character-traits of different characters Identify elements of a story (Characters, Theme/Plot, Setting, Conflict (problem), Resolution) To use the critical / thinking ability and go beyond the text and come up with an alternate ending 	<p>Activities:</p> <ul style="list-style-type: none"> Role Play Flip learning Conduct a survey (different talents that the classmates possess) and interview them <p>Resources:</p> <ul style="list-style-type: none"> Structured Worksheets 	<ul style="list-style-type: none"> Active participation in 'Group Discussion' on the given theme / topic Vocabulary enhancement Framing Newspaper Reports with proper format Express thoughts and put them in a sequence to explain it effectively. 	<ul style="list-style-type: none"> Reading Skills (Story and Poem Reading) Listening Skills (ASL – listening to the extract from 'The diary of Samuel Pepys') Speaking Skills (Role Play; Interviewing the classmates on the talents they possess) Writing skills (Re-write the letter – , Diary entry and Paragraph writing) Comprehension skills (OTBA, Analyzing the Characters, Q&A)

Months: September - October

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<p>Prose (First Flight)</p> <ul style="list-style-type: none"> Madam Rides the Bus The Sermon at Benares Proposal (The Play) <p>Poetry (First Flight)</p> <ul style="list-style-type: none"> The Tale of Custard the Dragon The Trees Fog <p>Supplementary Reader (Footprints without Feet)</p> <ul style="list-style-type: none"> The necklace Bholi The Book That Saved the Earth <p>Grammar</p> <ul style="list-style-type: none"> Determiners <p>Writing Skill:</p> <ul style="list-style-type: none"> Paragraph Writing <p>Words and Expressions-</p> <p>Units 8 , 10 and 11</p>	<ul style="list-style-type: none"> Analyze the relationship between characters, and events in the story Assess understanding of the given lesson and associated grammar concepts Familiarity with the pattern / structure of writing a short account and writing story 	<ul style="list-style-type: none"> Analyzing the character-traits of different characters Identify elements of a story (Characters, Theme/Plot, Setting, Conflict (Challenge), Resolution) To use the critical / Thinking ability and go beyond the text and come up with an alternative ending 	<p>Activities:</p> <ul style="list-style-type: none"> Group Discussion: <ol style="list-style-type: none"> How certain crafts declined and the ways they can be revived. Ethics of keeping wild animals as pets. Relevance of Buddha's teachings in today's times. Role Play: (Tea owner, tea planter, sales agent, tea lover (consumer), a physician) Make an advertisement Lost and found (Write an advertisement for the Lost and Found column of a local newspaper stating the loss of an expensive necklace at the bus stop) Collage Making (art integration) on poster sheets of old/used tickets. Research: Collect information about the evolution, beneficial qualities of tea. Dum Charades (guessing feelings / emotions) <p>Resources:</p> <ul style="list-style-type: none"> Structured Worksheets 	<ul style="list-style-type: none"> Participation in Group Discussion and role enactment Vocabulary enhancement Creative expression Enhancement of Communication skills 	<ul style="list-style-type: none"> Reading Skills (Reading an extract from Kahlil Gibran's 'The Prophet'; Story / Poem Reading) Listening Skills (ASL) Speaking Skills (Group Discussion; Role Play) Writing skills (Anger Management) Comprehension skills (OTBA, Analyzing the Character, Q&A)

Months: November - December

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<p>(Recap)</p> <ul style="list-style-type: none"> • A letter to God • Nelson Mandela - Long Walk to Freedom • Two Stories About Flying <p>Poetry (First Flight)</p> <ul style="list-style-type: none"> • For Anne Gregory <p>(Recap)</p> <ul style="list-style-type: none"> • Dust of Snow • Fire and Ice • A tiger in the Zoo • How to Tell Wild Animals <p>Supplementary Reader (Footprints without Feet)</p> <p>(Recap)</p> <ul style="list-style-type: none"> • A triumph of Surgery • The Thief's Story • The Midnight Visitor • A Question of Trust <p>Grammar (Recap)</p> <ul style="list-style-type: none"> • Tense: Past, Present and Future • Reported Speech (Commands and Requests; Statements; Questions) <p>Writing Skill (Recap):</p> <ul style="list-style-type: none"> • Formal Letter • Analytical Paragraph 	<ul style="list-style-type: none"> • Assess understanding of the given lesson and revising the associated grammar concepts (Tenses, Reported Speech, Modals, Subject-verb, Determiners) • Proficiency with the pattern /structure of writing the 'Formal letter' and 'analytical paragraph' 	<ul style="list-style-type: none"> • Identify elements of a story (Characters, Theme/Plot, Setting, Conflict (problem), Resolution) • To use the critical / thinking ability and examining the choices offered by life. • To understand the theme of the lesson –importance of love and understanding in marriage. 	<p>Resources:</p> <ul style="list-style-type: none"> • Structured Worksheets 	<ul style="list-style-type: none"> • Role enactment skills through dramatization and dialogue conversation with proper intonation, expressions, and voice modulation • Vocabulary enhancement • Self-expression and expressing thoughts and put them in a proper sequence 	<ul style="list-style-type: none"> • Reading Skills (Story / Poem Reading) • Listening Skills (ASL) • Speaking Skills (Group discussion) • Writing skills (Anger Management) • Comprehension skills (OTBA, Analyzing the Character, Q&A)

Months: January - February

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<p>Prose (First Flight) (Recap)</p> <ul style="list-style-type: none"> From the Diary of Anne Frank Glimpses of India Mijbil the Otter Madam Rides the Bus The Sermon at Benares <p>Poetry (Recap)</p> <ul style="list-style-type: none"> The Ball Poem Amanda! The Trees Fog The Tale of Custard the Dragon For Anne Gregory <p>Supplementary Reader</p> <p>(Footprints without Feet) (Recap)</p> <ul style="list-style-type: none"> Footprints Without Feet The making of a Scientist The necklace Bholi The Book That Saved the Earth <p>Grammar (Recap)</p> <ul style="list-style-type: none"> Modals Subject verb concord Determiners <p>Writing Skill (Recap):</p> <ul style="list-style-type: none"> Formal Letter Analytical Paragraph 	<ul style="list-style-type: none"> Analyze the relationship, compare and contrast different characters, and events in the story Proficiency with the pattern / structure of writing the 'formal letter', Analytical paragraph' and the associated grammar concepts. (tenses, Modals, subject- verb agreement, determiners, reported speech) 	<ul style="list-style-type: none"> Analyzing the character-traits of different characters Identify elements of a story (Characters, Theme/Plot, Setting, Conflict (problem), Resolution) Able to narrate the story and share related life experience. Able to describe the favourite character from the text with correct sentence structure 	<p>Activities:</p> <ul style="list-style-type: none"> JAM / HAM Flip learning <p>Resources:</p> <ul style="list-style-type: none"> Structured Revision Worksheets 	<ul style="list-style-type: none"> Active involvement in Group Discussion on the given theme / topic Vocabulary enhancement Self-expression Express thoughts and put them in a sequence to explain it effectively. Write formal letters and Analytical Paragraphs coherently in with a proper beginning, middle and end with appropriate punctuation marks. Able to write a letter to the Editor / Principal / class teacher using correct form of tenses 	<ul style="list-style-type: none"> Reading Skills Listening Skills (ASL) Speaking Skills (JAM / HAM) Writing skills (Formal letter writing; Analytical Paragraph Writing) Comprehension skills (OTBA, Analyzing the Character, Q&A)

वार्षिक पाठ्यक्रम योजना (2023-24)

कक्षा : X

विषय : हिन्दी

पुस्तक: स्पर्श 2, व्याकरण दर्शिका 2, संचयन 2 (पूरक पाठ्य पुस्तक), रचनात्मक लेखन
माह - अप्रैल-मई

पाठ/विषय	सीखने के लक्ष्य		गतिविधि & संसाधन	सीखने की संप्राप्ति	मूल्यांकन
	ज्ञान/तत्व पर आधारित	योग्यता पर आधारित		कौशल पर आधारित	
साहित्य स्पर्श- पाठ 1. साखी (पृष्ठ-3) पाठ 2. पद)(पृष्ठ-5) गद्य खंड पाठ 1. बड़े भाई साहब (पृष्ठ-7) संचयन- पाठ 1. हरिहर काका (पृष्ठ-1) व्याकरण- अपठित गद्यांश(पृष्ठ 5) पदबंध (पृष्ठ-17) रचना के आधार पर वाक्य रूपांतरण (पृष्ठ-111) रचनात्मक लेखन- (पृष्ठ-7)	<ul style="list-style-type: none"> विभिन्न रिश्तों की जानकारी से अवगत कराना। कविता एवं पाठ को लय के साथ पढ़ना एवं नए शब्दों से वाक्य बनाना। पदबंध आदि व्याकरण विषयों की चर्चा। मेरी पर्वत यात्रा पर अनुच्छेद लेखना। 	<ul style="list-style-type: none"> शब्द कोष में आए नए शब्दों का अपनी बात-चीत में प्रयोग करना। कवि कबीरदास कुछ अन्य पद लिखिए और अर्थ बताइए। विभिन्न रिश्तेदारों के बारे में कक्षा में चर्चा। 	गतिविधियाँ <ul style="list-style-type: none"> कक्षा अभिनय। रैदास के पदों का गायन। जीवन के दुखों और उन्हें दूर करने के विषय में विचार विमर्श। संसाधन <ul style="list-style-type: none"> अभ्यासकार्य पत्रक - अपठित गद्यांश (पृष्ठ-5) पदबंध (पृष्ठ-17) 	<ul style="list-style-type: none"> उचित हाव-भाव के साथ कक्षा में पठन करना। कविता का लय के साथ गायन। शब्द कोश बढ़ाना। रिश्तों के लिए सम्मान की भावना जगाना। सदैव सहायता के लिए तैयार रहना। बड़ों का सम्मान सिखाना। 	<ul style="list-style-type: none"> पठन कौशल (कविता/कहानी का पठन) श्रवण कौशल (‘बड़े भाई साहब संचयन ‘कहानी सुनना) वाचन कौशल (‘हरिहर काका’ का कक्षा अभिनय) लेखन कौशल (अपठित गद्यांश पर आधारित प्रश्न उत्तर) अभिव्यक्ति कौशल (वाक्य निर्माण, प्रश्नोत्तर) शब्द कोश (कठिन शब्द तथा शब्दार्थ)

पाठ/विषय	सीखने के लक्ष्य		गतिविधि & संसाधन	सीखने की संप्राप्ति	मूल्यांकन
	ज्ञान/तत्व पर आधारित	योग्यता पर आधारित		कौशल पर आधारित	
साहित्य स्पर्श - पाठ 3.बिहारी (दोहे)(पृष्ठ10) पाठ 4. मनुष्यता (पृष्ठ18) पाठ 5 - पर्वत प्रदेश में पावस (पृष्ठ-38) पाठ 6 - मधुर मधुर मेरे दीपक जल (पृष्ठ-43) गद्य खंड-पाठ 2. डायरी का एकपन्ना (पृष्ठ-13) पाठ 3. ततारा - वामीरोंकथा (पृष्ठ-48) पाठ 4.तीसरी कसम के शिल्पकार शैलेन्द्र (पृष्ठ-69) संचयन- पाठ 2. सपनों के - से दिन (पृष्ठ-33) पाठ 3- टोपी शुक्ला(पृष्ठ53) व्याकरण-समास (पृष्ठ-118)मुहावरे (पृष्ठ-180) लघुकथा लेखन (पृष्ठ-286) रचनात्मक लेखन (पृष्ठ- 134)	<ul style="list-style-type: none"> मनुष्यता का महत्व बताना कविता एवं पाठ को लय के साथ पढ़ना। शब्द ज्ञान। अर्जित व्याकरण ज्ञान रचना के आधार पर वाक्य रूपांतरण का भाषा की विभिन्न परिस्थितियों में प्रयोग। 	<ul style="list-style-type: none"> बिहारी जी के विषय में जानकारी एकत्रित करना। शब्द विचार के महत्व की चर्चा। रचना के आधार पर वाक्य रूपांतरण आदि व्याकरण विषयों की चर्चा। महादेवी वर्मा के विषय में जानकारी एकत्रित करना। दीपक के महत्व की चर्चा। 	गतिविधियाँ <ul style="list-style-type: none"> उचित गति, एवं लय के साथ 'मनुष्यता' पाठ का गायन। उचित हावभाव के साथ 'सपनों के - से दिन' पाठ का सस्वर पठन। ततारा - वामीरों कथा' का कक्षा अभिनय। पुस्तकालय का शिक्षा में महत्व के विषय में चर्चा करना। संसाधन <ul style="list-style-type: none"> अभ्यासकार्य पत्रक - रचना के आधार पर वाक्यरूपांतरण (पृष्ठ-111) समास (पृष्ठ-118) मुहावरे (पृष्ठ-180) 	<ul style="list-style-type: none"> डायरी लेखन सिखाना। 'सपनों के - से दिन' पर अनुच्छेद लेखन। अपठित गद्यांश को हल करना सीखना। 	<ul style="list-style-type: none"> पठन कौशल (कविता/कहानी का पठन) श्रवण कौशल 'मनुष्यता'पाठ का श्रवण' वाचन कौशल 'डायरी का एक पन्ना'का कक्षा अभिनय) लेखन कौशल (अनुच्छेद लेखन) अभिव्यक्ति कौशल (वाक्य निर्माण, प्रश्नोत्तर) शब्द कोश (कठिन शब्द तथा शब्दार्थ)

पाठ/विषय	सीखने के लक्ष्य		गतिविधि & संसाधन	सीखने की संप्राप्ति	मूल्यांकन
	ज्ञान/तत्व पर आधारित	योग्यता पर आधारित		कौशल पर आधारित	
<p>साहित्य स्पर्श - काव्य खंड पाठ 7 - तोप (पृष्ठ-58) पाठ 8 - कर चले हम फिदा (पृष्ठ-65) पाठ 9 - आत्मत्राण(पृष्ठ73) गद्य खंड पाठ 6 - अब कहाँ दूसरे के दुख से दुखी होने वाले (पृष्ठ-45) पाठ 7 - पतझर में टूटी पत्तियाँ (पृष्ठ-49)-गिन्नी का सोना - झेन् की देन पाठ 8- कारतूस(पृष्ठ-53) व्याकरण-अनुच्छेद लेखन (पृष्ठ-240) विज्ञापन लेखन (पृष्ठ-240)पत्र लेखन (पृष्ठ-246)सूचना लेखन (पृष्ठ-246)ईमेल लेखन रचनात्मक लेखन(पृष्ठ-35,11972,111&62)</p>	<ul style="list-style-type: none"> कठिन समय में सामंजस्य सीखाना। वाक-कौशल एवं चिंतन-कौशल का विकास। पठन- लेखन कौशल का विकास, श्रवण कौशल का विकास। जीवन में जागरूकता की महत्ता बताना। कर चले हम फिदा' पाठ के द्वारा वाक-कौशल एवं चिंतन-कौशल का विकास। 	<ul style="list-style-type: none"> विभिन्न तोंपों के विषय में जानकारी एकत्रित करना। पत्र लेखन के महत्व की चर्चा। विज्ञापन का अभ्यास । अशुद्ध वाक्यों का संशोधन की चर्चा। 	<p>गतिविधियाँ</p> <ul style="list-style-type: none"> देश की रक्षा के लिए हमेशा तैयार रहना सिखाना। <p>संसाधन</p> <ul style="list-style-type: none"> अभ्यासकार्य पत्रक- अनुच्छेद लेखन (पृष्ठ-240) विज्ञापन लेखन (पृष्ठ-240) 	<ul style="list-style-type: none"> 'पर्वत प्रदेश में पावस' पाठ का श्रवण " की कहानी सुनाना। ' मधुर मधुर मेरे दीपक जल ' कविता का गायन करवाना। 'कल्लू कुम्हार की उनाकोठी' पाठ से संबंधित प्रश्न छात्रों से पूछना। 	<ul style="list-style-type: none"> पठन कौशल (कविता/कहानी का पठन) श्रवण कौशल पर्वत प्रदेश में पावस ' पाठ का श्रवण) वाचन कौशल (ततारा - वामीरों कथा' का कक्षा में पठन) लेखन कौशल (अनुच्छेद लेखन) अभिव्यक्ति कौशल (प्रश्नोत्तर द्वारा कक्षाभिव्यक्ति) शब्दकोश (वाक्यनिर्माण,शब्दार्थ)

माह- नवंबर -दिसंबर

पाठ/विषय	सीखने के लक्ष्य		गतिविधि & संसाधन	सीखने की संप्राप्ति	मूल्यांकन
	ज्ञान/तत्त्व पर आधारित	योग्यता पर आधारित		कौशल पर आधारित	
पाठ्यक्रम पुनरावर्तन	<ul style="list-style-type: none"> ‘कर चले हम फ़िदा’ पाठ के द्वारा वाक-कौशल एवं चिंतन-कौशल का विकास। पठन- लेखन कौशल का विकास, श्रवण कौशल का विकास शब्द ज्ञान। मेहनत की विशेषता बताना 	<ul style="list-style-type: none"> विभिन्न तोपों के विषय में जानकारी एकत्रित करना। पत्र लेखन के महत्व की चर्चा। विज्ञापन का अभ्यास । 	गतिविधियाँ <ul style="list-style-type: none"> अवकाश के लिए प्रार्थना पत्र लेखन अपठित गद्यांश को हल करना सीखना । संसाधन <ul style="list-style-type: none"> अभ्यासकार्य पत्रक - पत्र लेखन (पृष्ठ-246) 	<ul style="list-style-type: none"> ‘तीसरी कसम’ फिल्म दिखाना । ‘कर चले हम फ़िदा’ का गायन करवाना। मानवीय गुणों का विकास करना और उन्हें जीवन में सात्विक क्रियान्वयन के लिए प्रेरित करना। 	<ul style="list-style-type: none"> पठन कौशल(कविता/कहानी का पठन) श्रवण कौशल ‘कर चले हम फ़िदा’ कविता का श्रवण वाचन कौशल(‘तीसरी कसम’ का कक्षा अभिनय) लेखन कौशल(पत्र लेखन) अभिव्यक्ति कौशल(उचित हावभाव के साथ ‘मिथिलेश्वर ’ पाठ का सस्वर पठन) शब्द कोश (अपठित गद्यांश पर आधारित प्रश्न/उत्तर)

माह- जनवरी -मार्च

पाठ/विषय	सीखने के लक्ष्य		गतिविधि & संसाधन	सीखने की संप्राप्ति	मूल्यांकन
	ज्ञान/तत्त्व पर आधारित	योग्यता पर आधारित		कौशल पर आधारित	
पाठ्यक्रम पुनरावर्तन	<ul style="list-style-type: none"> पतियों के महत्व को बताना। दूसरों के दुख को समझने की महत्ता बताना। लघुकथा लेखन की चर्चा। 	<ul style="list-style-type: none"> राही मासूम रजा के विषय में जानकारी एकत्रित करना। लघुकथा लेखन के महत्व की चर्चा। ‘कारतूस’ के विषय में जानकारी । 	<ul style="list-style-type: none"> गतिविधियाँ “आत्मत्राण पाठ का वाचन तथा अर्थ सम्प्रेषण। ‘ अब कहाँ दूसरे के दुख से दुखी होने वाले ’ पाठ का अभिनय करवाना। संसाधन- अभ्यासकार्य पत्रक- लघुकथा लेखन (पृष्ठ-286) 	<ul style="list-style-type: none"> ‘ पतझर मे टूटी पतियाँ’ पाठ का वाचन तथा अर्थ सम्प्रेषण। गिन्नी तथा सोना के विषय में चर्चा करना। लघुकथा के ज्ञान के लिए छात्रों को समूह में विभाजित कर अभ्यास करना। 	<ul style="list-style-type: none"> पठन कौशल(कविता/कहानी का पठन) श्रवण कौशल(‘आत्मत्राण’ कहानी सुनना) वाचन कौशल ‘पतझर मे टूटी पतियाँ’ का कक्षा अभिनय) लेखन कौशल(लघुकथा लेखन) अभिव्यक्ति कौशल (लघु कथा के पात्रों का विश्लेषण, प्रश्नोत्तर) शब्द कोश (कठिन शब्द तथा शब्दार्थ)

ANNUAL CURRICULUM PLAN (2023-24)

STEP: X

SUBJECT: Maths

BOOK/S: NCERT & NCERT Exemplar

Months: April-May

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 1: Real Numbers <ul style="list-style-type: none"> Euclid's Division Fundamental Theorem of Arithmetic Irrational Numbers Decimal Representation of Irrational Numbers 	<ul style="list-style-type: none"> Use the Fundamental Theorem of Arithmetic in order to calculate HCF and LCM of the given numbers in the context of the given problem Recall the properties of irrational number in order to prove that whether the sum/difference/ product/ quotient of 2 numbers is irrational or not Apply theorems of irrational number in order to prove whether a given number is irrational or not Apply theorems of rational numbers in order to find out about the nature of their decimal representation and their factors 	<ul style="list-style-type: none"> Apply Euclid Division Algorithm in order to obtain HCF of 2 positive integers in the context of the given problem Apply Euclid Division Algorithm in order to prove results of positive integers in the form of $ax+b$ where a and b are integers Extend the law of exponents in order to simplify a given expression. 	<ul style="list-style-type: none"> Apply Euclid Division Algorithm in order to obtain HCF of 2 given numbers in the context of the given problem Finding out whether the sum or product of rational and irrational numbers is rational or irrational. 	<ul style="list-style-type: none"> Logical Skills Generalises properties of numbers and relations among them studied earlier, to evolve results, such as, Euclid's division algorithm, fundamental theorem of arithmetic in order to apply them to solve problems related to real life contexts 	<ul style="list-style-type: none"> Problem Solving (MCQ, OTBA) Writing Skills Word problems HOTS Case Studies
Chapter 2: Polynomials <ul style="list-style-type: none"> Geometrical meaning of Zeroes of a Polynomial Relationship between Zeroes and Coefficients of a Polynomial Division Algorithm for Polynomials 	<ul style="list-style-type: none"> Recall degree of polynomial in order to find the number of zeroes of polynomial Analyse the graph of the polynomials in order to find the number of zeroes of polynomial Compute zeroes of the polynomials in order to verify the relationship between zeroes and the coefficients 	<ul style="list-style-type: none"> Compute the sum and product of zeroes of the polynomial in order to find the quadratic polynomial Divide the two given polynomials in order to verify the division algorithm. Divide the given polynomial with its known zero in order to find all the other zeroes of that polynomial 	<ul style="list-style-type: none"> Students will be able to multiply polynomials using algebra tiles in order to solve polynomials related problems Card Game 	<ul style="list-style-type: none"> Strategic thinking skills Uses algebraic and graphical method of finding zeroes of a polynomial in order to establish a relationship between them 	

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 3: Pair of Linear Equations in Two Variables <ul style="list-style-type: none"> Introduction and Properties Graphical Method of Solution of a Pair of Linear Equations Algebraic method for solving Linear Equations Equations Reducible to a Pair of Linear Equations in Two Variables. 	<ul style="list-style-type: none"> Interpret the concepts of linear equations in order to represent any given situation algebraically and graphically Calculate the ratio of coefficients of linear equations in order to discuss the nature of pair of linear equations. 	<ul style="list-style-type: none"> Use the most appropriate algebraic method in order to solve the given pair of linear equations 	<ul style="list-style-type: none"> To demonstrate given two linear equations in order to comment on the nature/behaviour of the lines representing the linear equations. 	<ul style="list-style-type: none"> Problem Solving Skills Uses graphical and other methods in order to find solutions of pairs of linear equations in two variables 	<ul style="list-style-type: none"> Problem Solving (MCQ, OTBA) Writing Skills Word problems <ul style="list-style-type: none"> HOTS Case Studies
Chapter 4: Quadratic Equations <ul style="list-style-type: none"> Introduction to Quadratic Equations Roots of a Quadratic Equation Nature of Roots 	<ul style="list-style-type: none"> Write Quadratic Equation in order to represent the given situation algebraically 	<ul style="list-style-type: none"> Use the most appropriate algebraic method in order to find roots of quadratic Equations 	<ul style="list-style-type: none"> Finding the general term (T_n) of a quadratic pattern in many ways 	<ul style="list-style-type: none"> Application Skills Demonstrates knowledge of application of various strategies in order to find roots and determine the nature of roots of a given equation 	
Chapter 5: Arithmetic Progressions <ul style="list-style-type: none"> Introduction nth term of AP Sum of an AP 	<ul style="list-style-type: none"> Produce patterns in order to observe that succeeding terms are obtained by adding a fixed number to the preceding terms Distinguish between finite and infinite AP in order to determine the nature and write the last term of the given AP Construct circle passing through 1, 2 & 3 non-collinear points in order to comment on how many circles can be constructed passing through them 	<ul style="list-style-type: none"> Calculate the nth term of a given AP in order to find its terms and their nature Calculate the sum of a given AP in order to get the solution for a real-life word problem Calculate the last term of the given AP in order to find the solution for a real-life word problem 	<ul style="list-style-type: none"> translate from algebraic to numerical and graphical representations of arithmetic sequences in order to understand the progression patterns 	<ul style="list-style-type: none"> Strategic Thinking Skills Develops strategies in order to apply the concept of AP to daily life situations 	
Chapter 15: Probability <ul style="list-style-type: none"> Probability — A Theoretical Approach 	<ul style="list-style-type: none"> Differentiate between Empirical probability and theoretical probability in order to find the two for a variety of cases Represent using organized lists, tables, or tree diagrams in order to List the sample space for compound events 	<ul style="list-style-type: none"> Calculate the probability of given events in an experiment in order to comment whether they are complementary events/ Sure event/ impossible event Calculate the probability of various events in order to rank them from most to least probable 	<ul style="list-style-type: none"> Students will notice that the experimental and theoretical probabilities differ over smaller samples but converge with larger samples 	<ul style="list-style-type: none"> Logical Skills Calculates in order to determine the probability of a given event 	

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 6: Triangles <ul style="list-style-type: none"> Similar figures Similarity of triangles Criteria for similarity of Triangles Areas of Similar Triangles Pythagoras Theorem 	<ul style="list-style-type: none"> Distinguish between congruency and similarity in order to understand the concept of similar figures Apply basic proportionality theorem and its converse in order to determine the ratio of sides in the given triangle(s) <p>Apply basic proportionality theorem and its converse in order to determine the ratio of sides in the given triangle(s)</p>	<ul style="list-style-type: none"> Apply Heron's formula in order to calculate the area of a Triangle Compute the area of similar triangles in order to find the relation between their sides, medians, mid points of the triangles Apply Pythagoras theorem and its converse 	<ul style="list-style-type: none"> To explore and apply various criterions of similarity in order to prove whether given triangles are similar or not 	<ul style="list-style-type: none"> HOTS <p>Uses different geometric criteria established earlier such as basic proportionality theorem etc. in order to establish properties for similarity of two triangles</p>	<ul style="list-style-type: none"> Problem Solving (MCQ, OTBA) Writing Skills <p>Word problems</p> <ul style="list-style-type: none"> HOTS <p>Case Studies</p>
Chapter 7: Coordinate Geometry <ul style="list-style-type: none"> Introduction Distance Formula Section Formula Area of a Triangle 	<ul style="list-style-type: none"> Identify x and y coordinate in order to plot points on the graph. 	<ul style="list-style-type: none"> Apply distance formula in order to solve various mathematical and real-life situations graphically Apply distance and section formula in order to determine the vertices/diagonals/mid points of given geometrical shapes Apply and derive the formula of area of triangle geometrically in order to determine the area of quadrilateral/triangle 	<ul style="list-style-type: none"> Apply and derive distance formula in order to determine the distance between two coordinates on the graph 	<ul style="list-style-type: none"> HOTS <p>Derives formulae to establish relations for geometrical shapes in the context of a coordinate plane, such as finding the distance between two given points, in order to determine coordinates of a point between any two given points to find area of a triangle etc.</p>	
Chapter 8: Introduction to Trigonometry <ul style="list-style-type: none"> Trigonometric Ratios Trigonometric Ratios of Some Specific Angles Trigonometric Ratios of Complementary Angles Trigonometric Identities 	<ul style="list-style-type: none"> Define and distinguish various trigonometric ratios in order to describe and verify sine, cosine, tangent, cosecant, secant, cotangent of an angle Use given trigonometric ratio(s) in order to find and verify other trigonometric ratios/angles of the triangle Compute the trigonometric ratio of 0°, 30°, 45°, 60°, 90° in order to know and apply the value of specific angles 	<ul style="list-style-type: none"> Compute the trigonometric ratio of complimentary angles in order to apply the values in mathematical problems Compute and apply trigonometric identities in order to simplify and solve mathematical problems 	<ul style="list-style-type: none"> Me and my shadow 	<ul style="list-style-type: none"> Problem Solving and Critical Thinking <ul style="list-style-type: none"> Determines all trigonometric ratios with respect to a given acute angle (of a right triangle) in order to use them in solving problems in daily life contexts like finding heights of different structures or distances from them 	

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 9: Some Applications of Trigonometry <ul style="list-style-type: none"> Heights and Distances 	<ul style="list-style-type: none"> Identify line of sight in order to determine angle of elevation and angle of depression 	<ul style="list-style-type: none"> Apply trigonometric ratios (of specific angles) in order to determine heights and distances of the objects 	<ul style="list-style-type: none"> Constructing a clinometer 	<ul style="list-style-type: none"> Analytical Skills and Problem Solving Skills Determines all trigonometric ratios with respect to a given acute angle (of a right triangle) in order to use them in solving problems in daily life contexts. 	<ul style="list-style-type: none"> Problem Solving (MCQ, OTBA) Writing Skills Word problems Analytical Skills Data Interpretation HOTS Case Studies
Chapter 10: Circles <ul style="list-style-type: none"> Tangent to a Circle Number of Tangents from a Point on a Circle	<ul style="list-style-type: none"> Draw, identify and differentiate between secant and tangent of a circle in order to prove and apply various theorems related to circles 	<ul style="list-style-type: none"> Prove and apply theorems related to tangent of a circle in order to determine number of tangents from the given point(s) Prove and apply theorem related to tangent of a circle in order to determine length of the tangent 	<ul style="list-style-type: none"> Use triangle congruence criteria in order to demonstrate why certain properties of parallelograms hold true Venn Diagram 	<ul style="list-style-type: none"> Problem Solving Skills Applies appropriate theorem in order to solve the given problems. 	
Chapter 12: Areas Related to Circles <ul style="list-style-type: none"> Perimeter and Area of a Circle — A Review Areas of Sector and Segment of a Circle Areas of Combinations of Plane Figures	<ul style="list-style-type: none"> Describe the relationship between circumference and diameter of a circle in order to define Describe sector and segment of a circle in order to differentiate between the two Describe minor and major sector, segment of a circle in order to differentiate between the two 	<ul style="list-style-type: none"> Apply the formula of area of sector and segment of a circle in order to compute the area of a specified region Calculate the length of an arc of a circle in order to comment whether it is the major arc or minor arc Calculate the area of various combinations of plane figures in order to apply the concepts of circles, quadrilaterals and triangles 	<ul style="list-style-type: none"> To construct a tangent to a circle at a point on it when the centre of the circle is known and calculate the area of the figures thus formed 	<ul style="list-style-type: none"> Problem Solving Skills Applies appropriate formulae in order to find areas of sectors and segment. 	

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 11: Constructions <ul style="list-style-type: none"> Division of a Line Segment Construction of a similar triangle Construction of Tangents to a Circle 	<ul style="list-style-type: none"> List steps for all the constructions 	<ul style="list-style-type: none"> Execute steps of construction in order to: <ul style="list-style-type: none"> ➤ Divide a Line Segment ➤ Construct of a similar triangle Construct Tangents to a Circle 		<ul style="list-style-type: none"> Presentation Skills Examines each step and reasons out each step, in order to: A) Construct a triangle similar to a given triangle B) Construct a pair of tangents from an external point to a circle and justify procedures 	<ul style="list-style-type: none"> Problem Solving (MCQ, OTBA) Writing Skills Word problems HOTS Case Studies
Chapter 14: Statistics <ul style="list-style-type: none"> Mean, Median and mode of Grouped Data Graphical Representation of Cumulative Frequency Distribution 	<ul style="list-style-type: none"> Compute the mean and mode of the given data in order to interpret the two measures of central tendency. Differentiate between mean, median and mode with examples in order to understand most effective measure of central tendency in various cases. Derive the co-ordinates to plot on the graph in order to represent the two ogives. 	<ul style="list-style-type: none"> Apply direct/assumed mean method in order to calculate the mean of the grouped data Apply formula for the median of a given grouped data in order to calculate missing values of Frequency <ul style="list-style-type: none"> ➤ Graph both ogives for the data obtained in order to determine the median of the given grouped data 	Students will be able to 1. construct a histogram from data with 70% accuracy 2. calculate mean, median, mode, and range from data with 70% accuracy. <ul style="list-style-type: none"> 3. construct a circle graph from the data in a histogram with 70% accuracy 	<ul style="list-style-type: none"> Problem Solving Skills Calculates mean, median and mode in order to apply them to real life contexts 	<ul style="list-style-type: none"> Writing/ Presentation Skills Construction problems
Chapter 13: Surface Area and Volumes <ul style="list-style-type: none"> Surface Area of a Combination of Solids Volume of a Combination of Solids Conversion of Solid from One Shape to Another Frustum of a Cone Applications of surface areas and Volumes 	<ul style="list-style-type: none"> Use concepts of surface areas and volumes for a variety of 3-D objects in order to apply into real life situations 	<ul style="list-style-type: none"> Apply formulas of surface area of 3D solids in order to derive the area of a new solid Apply formulas of volume of 3D solids in order to derive the volume of a new solid Apply formulas of volumes of 3d solids in order to derive the volume of the new converted solid Apply the formula of surface area of a cone in order to derive the area of the frustum Apply the formula of volume of a cone in order to derive the volume of the frustum 	<ul style="list-style-type: none"> to find a relation between the side and surface area/volume of a cube to construct cones with a rectangular piece of paper and analyse its properties. 	<ul style="list-style-type: none"> Observation and Presentation Skills Visualizes objects in surrounding as a combination of different solids like cylinder and a cone, cylinder and a hemisphere, combination of different cubes etc.in order to find their surface areas and volumes 	<ul style="list-style-type: none"> Problem Solving (MCQ, OTBA) Writing Skills Word problems HOTS Case Studies

Months: November-December

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<ul style="list-style-type: none">Entire Syllabus	Revision	Revision	Worksheets and Sample Papers	Revision	<ul style="list-style-type: none">Problem Solving (MCQ, OTBA)Writing Skills Word problemsHOTS Case Studies

Months: January-Februray

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<ul style="list-style-type: none">Entire Syllabus	Revision	Revision	Worksheets and Sample papers	Revision	<ul style="list-style-type: none">Problem Solving (MCQ, OTBA)Writing Skills Word problemsHOTS Case Studies

ANNUAL CURRICULUM PLAN (2023-24)

STEP: X

SUBJECT: SCIENCE

Books: NCERT – Science – Book 10, NCERT Exemplar, Madhubun Laboratory Manual for Science-10

Months: April - May

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/Content Based	Application/Aptitude Based		Skill Based	
Chapter 1: Chemical reactions and equations	<ul style="list-style-type: none"> Chemical equation Balanced chemical equation and its implications Types of chemical reactions 	<ul style="list-style-type: none"> To be able to compare initial and final substances to check if the reaction is physical or chemical. To be able to classify reactants and products. 	<ul style="list-style-type: none"> Lab Practical – No: 2 Diagram – Electrolytic decomposition 	<ul style="list-style-type: none"> To be able to calculate using the number of atoms in reactants and products to balance a chemical equation. To be able to differentiate materials based on properties. 	<ul style="list-style-type: none"> OTBA Match the following Long/short answer questions Fill in the blanks One word/MCQ Chemical equations balancing
Chapter : 6 Life processes	<ul style="list-style-type: none"> Basic concept of nutrition Respiration Transport and excretion in plants and animals. 	<ul style="list-style-type: none"> Able to use and interpret scientific vocabulary. To be able to correlate the different metabolic pathways and its functioning. 	<ul style="list-style-type: none"> Lab Practicals – No: 6 & 7 Diagrams 	<ul style="list-style-type: none"> To be able to explain the use of abiotic components by autotrophs to gain nutrition. To be able to identify anomalies in the function various human organ 	<ul style="list-style-type: none"> Match the following Long/short answer questions Fill in the blanks

				systems by observing them.	<ul style="list-style-type: none"> One word/MCQ Assertion Reason
Chapter 12: Electricity	<ul style="list-style-type: none"> Electric current Resistance, Resistivity Heating effect of electric current and its applications. Electric power, Interrelation between P, V, I and R. 	<ul style="list-style-type: none"> To be able to calculate effective resistance. To be able to verify Ohm's law. 	<ul style="list-style-type: none"> Lab Practicals – No: 4 & 5 Circuit Diagrams – 210, 213, 215 Numerical Problems 	<ul style="list-style-type: none"> To be able to calculate power, in order to represent electric consumption in domestic circuits. To be able to identify the electrical components and their functions, in order to build a functioning circuit. 	<ul style="list-style-type: none"> Long/short answer questions Fill in the blanks One word/MCQ Match the following Diagrams
Chapter 15: Our Environment	<ul style="list-style-type: none"> Eco-system Environmental problems Ozone depletion Waste production and their solutions. Biodegradable and non-biodegradable substances 	<ul style="list-style-type: none"> To be able to tabulate organisms feeding on one another. To be able to classify different waste products as biodegradable or nonbiodegradable, to assess their effect on environment. To be able to identify challenges to protect the ozone layer and effect of its depletion. 	<ul style="list-style-type: none"> Diagrams 	<ul style="list-style-type: none"> To be able to show concern towards preservation of environment. To be able to analyze the impact of human activity on environment. To be able to find out ways to protect the ozone layer. 	<ul style="list-style-type: none"> OTBA Match the following Long/short answer questions Fill in the blanks One word/MCQ

Months: July - August

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/Content Based	Application/ Aptitude Based		Skill Based	
Chapter 2: Acids, Bases and Salts	<ul style="list-style-type: none"> Definitions General properties Examples and uses Concept of pH scale 	<ul style="list-style-type: none"> To understand the use of pH in real life. To be able to observe the action of indicators. To be able to understand neutralization reaction. 	<ul style="list-style-type: none"> Lab Practical – No: 1 A & B Diagram – pH scale 	<ul style="list-style-type: none"> To be able to identify strong and weak acids and bases, acidic, basic and neutral salts. To be able to identify acidic and basic reactions and treat them accordingly, like stomach acidity, insect bite. 	<ul style="list-style-type: none"> Match the following Long/short answer questions Fill in the blanks One word/MCQ
Chapter 3: Metals and non- Metals	<ul style="list-style-type: none"> Properties of metals and non-metals Reactivity series. Basic metallurgical processes, corrosion, and its prevention. 	<ul style="list-style-type: none"> Observe various substances and their physical properties in order to classify them as metals or non-metals. 	<ul style="list-style-type: none"> Lab Practicals – No: 3 Formulas and equations 	<ul style="list-style-type: none"> To identify ways to prevent corrosion, alloy, painting, coating. To be able to find ways to extract metals from their oxides. To be able to use metals based on their reactivity. 	<ul style="list-style-type: none"> OTBA Match the following Long/short answer questions Fill in the blanks One word/MCQ Chemical equations balancing
Chapter 7: Control and Coordination	<ul style="list-style-type: none"> To understand that the control and coordination are the outcome of the hormones and nervous system. To know the responses of Nervous system as Reflex action, Voluntary 	<ul style="list-style-type: none"> Voluntary action and involuntary action. Functionally understand that Chemical coordination is found both in plants and animals. Draw structure of neuron, reflex arc and Human brain. 	<ul style="list-style-type: none"> NCERT Activities 7.1 & 7.3 Diagrams Flow charts 	<ul style="list-style-type: none"> Analytical skills (scrutinizing a response as reflex voluntary and involuntary) Problem solving (investigating and applying established principles to justify an observation) 	<ul style="list-style-type: none"> OTBA MCQ Assertion reasoning. Long/short answer questions

	action and involuntary action.				
Chapter 8: How do organisms reproduce?	<ul style="list-style-type: none"> • Reproduction in animals and plants (asexual and sexual) • Reproductive health-need and methods of family planning. • Safe sex versus HIV/ AIDS. • Childbearing and women's health 	<ul style="list-style-type: none"> • To be able to list down the reasons for changes in DNA copying and their effect on ecosystem, to understand importance of variations. • To be able to list down the changes occurring in male and female body in teenage years, to understand effects of puberty. 	<ul style="list-style-type: none"> • Lab Practicals – No: 12 & 15 • Diagrams – page no.- 129, 131,134,135,137 	<ul style="list-style-type: none"> • To be able to Relates processes and phenomena with causes / effects, such as hormones with their functions. • To be able to apply scientific concepts in daily life and solving problems, such as taking precautions to prevent sexually transmitted infections. 	<ul style="list-style-type: none"> • OTBA • Match the following • Long/short answer questions • Fill in the blanks • One word/MCQ • Diagrams
Chapter 13: Magnetic effects of current	<ul style="list-style-type: none"> • Magnetic field • Current carrying coil or solenoid • Force on current carrying conductor • Fleming's Left/ right Hand Rule. Direct Current/ Alternating current <p>Domestic electric circuits.</p>	<ul style="list-style-type: none"> • Students will be able to compare and contrast the effects of electric current and magnetic field. • Students will be able to interpret working of electric motor and generator. • Students will be able to apply magnetic effect of electric current in real life. 	<ul style="list-style-type: none"> • NCERT Activities: 13.1, 13.2 & 13.3 • Diagrams 	<ul style="list-style-type: none"> • To be able to discuss electromagnetic induction, to understand how a moving magnet can be used to generate electric currents. • To be able to explain deflection of compass needle due to magnetic effect of electric current. 	<ul style="list-style-type: none"> • Long/short answer questions • Fill in the blanks • One word/MCQ • Match the following

Months: September - October

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 4: Carbon and its compounds	<ul style="list-style-type: none"> Covalent bonding in carbon compounds. Versatile nature of carbon. Nomenclature of carbon compounds 	<ul style="list-style-type: none"> Classification of hydrocarbons and homologous series. To be able to predict formulae of carbon compounds and illustrate structure of molecules. 	<ul style="list-style-type: none"> Lab Practicals – No: 8 & 9 Quiz– chemical formulae and structure 	<ul style="list-style-type: none"> To be able to explain reaction of carbon compounds with various materials, like nickel catalyst, hydrogen etc. To be able to identify proper usage of carbon compounds based on their property. 	<ul style="list-style-type: none"> OTBA Match the following Long/short answer questions Fill in the blanks One word/MCQ Chemical formula & structure
Chapter 9: Heredity and Evolution	<ul style="list-style-type: none"> Heredity Mendel's contribution- Laws for inheritance of traits Sex determination 	<ul style="list-style-type: none"> To be able to understand how traits are inherited. To be able to understand how changes in DNA can lead to stronger species. 	<ul style="list-style-type: none"> NCERT Activity: 9.1 Flowcharts Diagrams 	<ul style="list-style-type: none"> To be able to explain the combination of sex chromosome and challenge any taboo related to gender. To be able to find relationship between species. 	<ul style="list-style-type: none"> Match the following Long/short answer questions Fill in the blanks One word/MCQ
Chapter 10: Light reflection and refraction	<ul style="list-style-type: none"> Spherical mirror image formation. Definitions Mirror formula Refraction of light 	<ul style="list-style-type: none"> To be able to understand light reflection & refraction. To be able to compare speed of light in different mediums. Express u, v, f in the mirror formula in order to apply sign convention. 	<ul style="list-style-type: none"> Lab Practicals – No: 10 & 11, 14 Ray Diagrams -162, 164,165, 167,169, 176-182 	<ul style="list-style-type: none"> To be able to calculate power of lens by using formula. Deduce the nature and size of image. 	<ul style="list-style-type: none"> Long/short answer questions Fill in the blanks One word/MCQ Match the following Diagrams

Chapter 11: The human eye and the colorful world	<ul style="list-style-type: none"> ● Functioning of a lens in human eye ● Colour vision/defects of vision and their correction ● Applications of spherical mirrors and lenses. ● Refraction of light, Tyndall effect 	<ul style="list-style-type: none"> ● To be able to understand the usage of various lens to rectify defects of human eye. ● To understand application of refraction and Tyndall effect. 	<ul style="list-style-type: none"> ● Lab Practical- 13. ● Diagrams – 187, 189, 190,193 	<ul style="list-style-type: none"> ● To be able to understand cause and effect of defects in human eye. ● To able to take precautionary measures to prevent such defects. 	<ul style="list-style-type: none"> ● Long/short answer questions ● Fill in the blanks ● One word/MCQ ● Match the following ● Diagrams
--	--	--	--	---	--

Months: November - December

Revision- Whole Syllabus

Months: January - February

Revision- Whole Syllabus

ANNUAL CURRICULUM PLAN (2023-24)

STEP: X

SUBJECT: SOCIAL STUDIES

NCERT BOOK: India and the Contemporary World – II, Contemporary India – II, Democratic Politics – II, Understanding Economics Development

Map Book: INDIANICA LEARNING- Map and Activity Workbook

MONTH : APRIL-MAY

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/Aptitude Based		Skill Based	
Economics <i>Chapter 1- Development</i>	<ul style="list-style-type: none"> To explain what development is, what are common goals, mix of goals, sustainable development. 	<ul style="list-style-type: none"> Analyze the role of humans as an important component of development. 	<ul style="list-style-type: none"> Group Activity: methods of comparing the countries. 	<ul style="list-style-type: none"> To help them understand Infant Mortality Rate , Literacy Rate etc. 	<ul style="list-style-type: none"> Written test Group Discussion HW notebook Subject Enrichment Activities.
Economics <i>Chapter 2- Sectors of Indian Economy</i>	<ul style="list-style-type: none"> To explain how Economic activities, though, are grouped into three different categories, are highly interdependent. 	<ul style="list-style-type: none"> Comparing and contrasting data and graphs given in the textbook to understand the importance of tertiary sector. 	<ul style="list-style-type: none"> Debate: Unification of Italy. 	<ul style="list-style-type: none"> To enable them in classifying economic activities into sectors on various parameters. 	<ul style="list-style-type: none"> Worksheet Intext graphs
Political Science <i>Chapter 1 – Power Sharing</i> <i>Chapter 2- Federalism</i>	<ul style="list-style-type: none"> Inquire how and why power is shared in a democracy. Analyze the advantages of power sharing in modern democracies. Develop the attribute it to the federal structure of governance. 	<ul style="list-style-type: none"> Relate that how the absence of power sharing leads to ethnic conflicts. 	<ul style="list-style-type: none"> Chart on sharing arrangement in modern democracies. Debate on related topic. 	<ul style="list-style-type: none"> Compare the power sharing at various levels in India with other countries. Discover the nature of that federal system practiced in various countries. 	<ul style="list-style-type: none"> Draw the flow chart in notebooks on vertical and horizontal power sharing. Assignment & worksheets, Map Skills, Assignment & worksheets, Map Skills
Geography <i>Chapter 1: Resources and Development</i>	<ul style="list-style-type: none"> Understands the difference between various types of soils and its depletion. 	<ul style="list-style-type: none"> Enlist the reasons for land degradation. 	<ul style="list-style-type: none"> Observe objectives of Earth Summit. 	<ul style="list-style-type: none"> Mention, Examine and distinguish between the types of resources. Focus on the need to control land degradation and soil erosion. 	<ul style="list-style-type: none"> Visual illustrations in the book. Map of India showing distribution of soil types. Map Book Pg.1
History <i>Chapter 1-The Rise of Nationalism in Europe</i>	<ul style="list-style-type: none"> To analyze difference between nation state and Nationalism. 	<ul style="list-style-type: none"> Establish the relationship and bring out the difference between European nationalism and anticolonial nationalisms. 	<ul style="list-style-type: none"> Students will work in pair and discuss about the factors contributing to the growth of collective belongingness and common identity among people 	<ul style="list-style-type: none"> Critically think about how the advent of the idea of nation. 	<ul style="list-style-type: none"> Worksheet Intext graphs Map Book Pg. 45

MONTH: JULY – AUGUST

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Political Science <i>Chapter 6- Political Parties</i>	<ul style="list-style-type: none"> To understand the meaning of political party. 	<ul style="list-style-type: none"> To speak about necessity of political parties in democracy 	<ul style="list-style-type: none"> Classifying the list of parties and concluding with the importance of regional and national parties. 	<ul style="list-style-type: none"> The meaning and components of political party. 	<ul style="list-style-type: none"> MCQ questions related to democracy.
History <i>Chapter 2- Nationalism in India</i>	<ul style="list-style-type: none"> Trace the origin of the growth of Nationalism in India. 	<ul style="list-style-type: none"> Infer the role of women in independence struggle of India. 	<ul style="list-style-type: none"> Prepare a flow chart showing the important movements, its common & different factors, and the nature of movement & Pattern of participation. 	<ul style="list-style-type: none"> Identify the ways through which the Britishers exploited Indians. 	<ul style="list-style-type: none"> Discussions, Group work Mind Map, Brainstorming questions, Map Activity Map Book Pg. 54
History <i>Chapter 3- The Making of Global World</i>	<ul style="list-style-type: none"> Analyze the implication of globalization for local economies. 	<ul style="list-style-type: none"> Explain the impact of the First World War on Britain's economy. 	<ul style="list-style-type: none"> Concept Map, Newspaper cuttings of Great Economic Depression. 	<ul style="list-style-type: none"> Examine the role played by IMF and the World Bank. 	<ul style="list-style-type: none"> Written test ,Group Discussion, Map activity Map Book Pg. 62
Economics <i>Chapter 3- Money and Credit</i>	<ul style="list-style-type: none"> Differentiate between barter system and monetary system 	<ul style="list-style-type: none"> Evaluate the role of SHGs in creating credit for the poor. 	<ul style="list-style-type: none"> Visit the bank and interview the branch manager to understand the working of the modern banking system. 	<ul style="list-style-type: none"> Appreciate the use of modern-day currency. 	<ul style="list-style-type: none"> Mind Map, Self-Assessment Material Project work
Geography <i>Chapter 2- Water Resources</i>	<ul style="list-style-type: none"> Identify the causes of water scarcity in India. 	<ul style="list-style-type: none"> Compare and contrast the advantages and disadvantages of multipurpose river valley projects. 	<ul style="list-style-type: none"> Collect articles from newspapers and magazine will be shared in class on water disputes. 	<ul style="list-style-type: none"> Suggest ideas to control water pollution. 	<ul style="list-style-type: none"> Written test , Group Discussion, Map activity Worksheets Map Book Pg.11
Political Science <i>Chapter 4- Gender, Religion and Caste</i>	<ul style="list-style-type: none"> Identify and analyze the challenges posed by communalism to Indian democracy. 	<ul style="list-style-type: none"> Develop a gender perspective on politics. 	<ul style="list-style-type: none"> Collect articles from newspapers and magazine will be shared in class on the topic 	<ul style="list-style-type: none"> Recognize the enabling and disabling effects of caste and ethnicity in politics. 	<ul style="list-style-type: none"> Written test , Group Discussion Worksheets
Geography <i>Chapter 3- Agriculture</i>	<ul style="list-style-type: none"> Differentiate between various types of Agriculture on the basis of geographical conditions. 	<ul style="list-style-type: none"> Analyze the role of Institutional and technological Reforms in agricultural development. 	<ul style="list-style-type: none"> Debate: Impact of Globalization. 	<ul style="list-style-type: none"> Describe different basic farming methods used in different parts of India. 	<ul style="list-style-type: none"> Worksheet Intext graphs Map Book Pg.18

MONTH: SEPTEMBER –OCTOBER

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Economics <i>Chapter 4- Globalization and the Indian Economy</i>	<ul style="list-style-type: none"> Understand how MNCs set up base across the world. 	<ul style="list-style-type: none"> Analyze market economy before and after globalization 	<ul style="list-style-type: none"> Critically answer the below Example-1 -: Solutions to monopolies Example-2: Open economies benefit consumers 	<ul style="list-style-type: none"> Understands the challenges experienced while opening economies Responsible international trade practices. 	Oral Questions Activity involvement Written test
History <i>Chapter 4 - The Age of Industrialisation</i>	<ul style="list-style-type: none"> Familiarize with the Pro- to Industrial phase and Early –factory system. 	<ul style="list-style-type: none"> Enable them to understand industrialization in the colonies with reference to Textile industries. 	<ul style="list-style-type: none"> Interpret the picture given the book. 	<ul style="list-style-type: none"> Familiarize with the process of industrialization and its impact on labour class. 	Oral Questions Activity involvement Written test Picture Study Map Book Pg. 69
History <i>Chapter 5- Print Culture and the Modern World</i>	<ul style="list-style-type: none"> Identify the link between print culture and the circulation of ideas. 	<ul style="list-style-type: none"> Identify the link between print culture and the circulation of ideas. 	<ul style="list-style-type: none"> Interpret the picture given the book. Explain relationship between print culture, public debate and politics. 	<ul style="list-style-type: none"> Understand that forms of writing have a specific history, and that they reflect historical changes within society and shape the forces of change 	Oral Questions Activity involvement Written test Map Book Pg.75
Political Science <i>Chapter 7. Outcomes of Democracy:</i>	<ul style="list-style-type: none"> Analyze difference between challenges and problems in democracy. 	<ul style="list-style-type: none"> Develop citizenship through understanding the contribution of people in the transition of power from non-democratic to democratic regime. 	<ul style="list-style-type: none"> Group Learning: Discuss Different features of democracy. 	<ul style="list-style-type: none"> Different problems of democracy, differentiate between democratic and non-democratic government. 	MCQ questions related to democracy.
Geography <i>Chapter 5- Mineral and Energy Resources</i>	<ul style="list-style-type: none"> Identify different types of minerals and energy resources and places of their availability. 	<ul style="list-style-type: none"> To know the mode of occurrence of Minerals - Where are these minerals found? 	<ul style="list-style-type: none"> Locate the Minerals (Identification only)Iron Ore ,Coal Mines, Thermal & Nuclear Power Plants 	Feel the need for their judicious Utilization of resources	Oral Questions Activity involvement Written test Map Work Pg. 26
Geography <i>Chapter 6- Manufacturing Industries</i>	<ul style="list-style-type: none"> Understand the importance various types of industries of India and their contribution in the economy. 	<ul style="list-style-type: none"> Develop awareness towards steps to be taken to minimize environmental degradation by industries. 	<ul style="list-style-type: none"> Group Activity: Discuss the classification of industries. 	<ul style="list-style-type: none"> Locate Multipurpose Projects of India -Dams 	Oral Questions Activity involvement Written Test Map Work Pg. 33
Geography <i>Chapter 7- Lifelines of Indian Economy</i>	<ul style="list-style-type: none"> Understand about the lifelines of national economy such as roadways, railways, airways, waterways, and pipelines. Explain the importance of transport and communication in the ever-shrinking world. 	<ul style="list-style-type: none"> Describe the role of trade in the world economic development of a country. 	<ul style="list-style-type: none"> Group discussion on railways will help to learn the importance of railways and its role in multifarious activities. 	<ul style="list-style-type: none"> Assess the vital role played by the different modes of transport. 	Written test Group Discussion Map activity Pg.38

MONTH: NOVEMBER – JANUARY

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/Content Based	Application/ Aptitude Based		Skill Based	
Revision Pre-Boards					Worksheets

ANNUAL CURRICULUM PLAN (2023-24)

STEP: X

SUBJECT: French

Book: Entre Jeune-2

Months : April- May

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<p>Leçon 1 – La Famille</p> <p>Leçon 2- Après le bac</p>	<ul style="list-style-type: none"> • Se presenter • Decrire un lieu • Demander un avis • Exprimer ses preferences • Ecrire des lettres • Demander un renseignement • Les proverbs • Ecrire une lettre 	<ul style="list-style-type: none"> • La recapitulation de la grammaire • Les expressions • Le futur anterieur • La forme nominale • Les pronoms relatifs - simples et composes • Le plus-que parfait 	<p>Activities:</p> <ul style="list-style-type: none"> • Discuter des préférences (Friends discussing their preferences – Role play) <p>Resources:</p> <ul style="list-style-type: none"> • Entre Jeune-2 • Setrite 	<ul style="list-style-type: none"> • Les etudiants pourront se présenter, présenter quelqu'un d'autre, décrire un endroit, exprimer leurs préférences 	<ul style="list-style-type: none"> • Reading Skills (New words and Sentence Reading) • Listening Skills (Audio Dialogues) • Speaking Skills (Role Play) • Writing skills (Dialogue conversation) • Comprehension skills (Analyzing the new words) • Communication Skills (Role Play) • Vocabulary (Dictation)

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Leçon – 3- Chercher du travail Leçon – 4- Le plaisir de lire Leçon – 5- Les medias Leçon – 6- Chacun ses goûts	<ul style="list-style-type: none"> ● Se renseigner ● Décrire la carrière ● Conseiller quelqu'un ● S'inscrire à la bibliothèque ● Inviter quelqu'un ● Raconter un événement ● Faire un c.v en français ● S'informer ● Raconter des faits divers ● Décrire une émission télévisée ● Exprimer ses goûts ● Inviter quelqu'un ● Raconter une histoire ● Décrire une visite au musée/ au cinéma 	<ul style="list-style-type: none"> ● Les pronoms relatifs ● - simples et composés ● Le plus-que parfait ● La forme nominale ● Pronoms personnels : Y & en ● Les pronoms démonstratifs simples et composés 	Activities: <ul style="list-style-type: none"> ● Un jeu de rôle à la bibliothèque (Role play at library) ● Raconter une histoire-chacun raconte une histoire dans la classe (Story telling – Students will tell/narrate a story in French language.) Resources: <ul style="list-style-type: none"> ● Entre Jeune-2 ● Setrite ● Together With 	<ul style="list-style-type: none"> ● Les étudiants pourront s'informer, décrire leur carrière, conseiller quelqu'un, s'inscrire à la bibliothèque, Raconter un événement ● Les étudiants pourront raconter des faits divers, décrire leur émission préférée, exprimer leurs goûts, raconter une histoire, décrire une visite 	<ul style="list-style-type: none"> ● Reading Skills (New words and Sentence Reading) ● Listening Skills (Audio Dialogues) ● Speaking Skills (Role Play) ● Writing skills (Dialogue conversation) ● Comprehension skills (Analyzing the new words) ● Vocabulary (Dictation)

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<p>Leçon – 7- En pleine forme</p> <p>Leçon – 8- L'environnement</p> <p>Leçon – 9-Metro, boulot, dodo</p>	<ul style="list-style-type: none"> • Parler de la forme physique • Discuter de bonnes habitudes de la vie • Exprimer son etat de la sante • Parler de l'environnement • Exprimer la necessite et les sentiments • Parler de la vie urbaine • Parler des moyens de transport publics • Exprimer un desir/ un regret • Interdire 	<ul style="list-style-type: none"> • Les pronoms possessives • Le subjonctif • Ne...pas + infinitif du verbe 	<p>Activities:</p> <p>Invitez ton ami au club jouer un match de tennis.(Students to write a message to their friend, inviting him/her to the club for playing a tennis match.)</p> <ul style="list-style-type: none"> • Preparez une affiche sur le recyclage.(Students to prepare a poster on recycling.) • Proteger de l'environnement (Students will suggest ways of • protecting the environment with the help of drawing.) <p>Resources:</p> <ul style="list-style-type: none"> • Entre Jeune-2 • Setrite 	<ul style="list-style-type: none"> • Les etudiants pourront discuter de bonnes habitudes de la vie, exprimer leur etat de sante, parler de l'environnement, exprimer des sentiments • Les etudiants pourront parler de la vie urbaine, parler des moyens de transport publics, exprimer un desir/ un regret 	<ul style="list-style-type: none"> • Reading Skills (New words and Sentence Reading) • Listening Skills (Audio Dialogues) • Speaking Skills (Role Play) • Writing skills (Description) • Comprehension skills (Analyzing the new words) • Communication Skills (Role Play) • Vocabulary (Dictation)

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
<p>Leçon – 10- Vive la Republique</p> <p>Leçon – 11- C'est bon le progress</p> <p>Leçon – 12-Vers un monde interculturel</p>	<ul style="list-style-type: none"> • Discuter le systeme politique • Rapporter un discours • Parler de la technologie de l'information • Solliciter un service • Echanger des informations • Parler de la diversite culturelle • Decouvrir des autres cultures 	<ul style="list-style-type: none"> • Le discours rapport • La récapitulation de la grammaire déjà faite 	<p>Activities:</p> <ul style="list-style-type: none"> • La conversation telephonique (Role play on phone) • Comparer les cultures de plusieurs pays (exemple l'Inde et la France) (Comparing the cultures of the two countries through their music ; Students will sing French & Indian songs) <p>Resources:</p> <ul style="list-style-type: none"> • Entre Jeune-2 • Setrite 	<ul style="list-style-type: none"> • Les etudiants pourront discuter le système politique, rapporter un discours, parler de la technologie de l'information, echanger des informations • Les etudiants pourront parler de la diversité culturelle découvrir des autres cultures 	<ul style="list-style-type: none"> • Reading Skills (New words and Sentence Reading) • Listening Skills (Audio Dialogues) • Speaking Skills (Role Play) • Writing skills (Description) • Comprehension skills (Analyzing the new words) • Communication Skills (Role Play) • Vocabulary (Dictation)

ANNUAL CURRICULUM PLAN (2023-24)

STEP: X

SUBJECT: COMPUTERS

Book: Touchpad- Artificial Intelligence Code-417 | Skill Education

Months: April – May

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Part A Unit-I Communication Skills-II	<ul style="list-style-type: none"> Methods of communication Verbal Communication Non-verbal Communication Communication Cycle and Importance of Feedback Barriers to Effective Communication 7Cs of effective communication Writing Skills — Parts of Speech Writing Skills — Sentences 	<ul style="list-style-type: none"> Writing pros and cons of written, verbal and nonverbal communication. Listing do's and don'ts for avoiding common body language mistakes. Draw a diagram of the communication cycle role plays on communication process related to the sector/job role. 	<ul style="list-style-type: none"> Demonstrate knowledge of various methods of communication Apply measures to overcome barriers in communication Apply principles of communication Demonstrate basic writing skills Exercises and games on applying 7Cs of effective communication 	Presentation Skills Will be able to create and present portfolio	Worksheets Quiz Notebook work Group Discussion

Part B Unit 1: Introduction to Artificial Intelligence (AI)	<ul style="list-style-type: none"> • What is Intelligence? • Decision Making. • what is Artificial Intelligence and what is not? • Introducing AI, ML & DL. • Introduction to AI Domains (Data, CV & NLP) 	<ul style="list-style-type: none"> • Applications of AI – A look at Real-life AI implementations 	<ul style="list-style-type: none"> • Implementation of AI applications in real life problems. 	<ul style="list-style-type: none"> • Students will try some simple problem-solving exercises related to AI applications 	Worksheets Quiz Notebook work Group Discussion
Part B Unit 2 AI PROJECT CYCLE	<ul style="list-style-type: none"> • Introduction to AI Project Cycle • Stages of AI project Cycle • Neural Network 	<ul style="list-style-type: none"> • AI Models • Working of Neural Networks 	<ul style="list-style-type: none"> • Creating a Human Neural Network 	<ul style="list-style-type: none"> • Understand and appreciate the concept of Neural Network through gamification. 	Worksheets Quiz Notebook work Group Discussion

Months: July - August

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Part A Unit 2 Self-Management Skills-II	<ul style="list-style-type: none"> • Meaning and importance of stress management • Stress management techniques – physical exercise, yoga, meditation • Enjoying, going to vacations and holidays with family and friends • Enjoying, going to vacations and holidays with family and friends • Describe the types of self-awareness • Describe the meaning of self-motivation and self-regulation 	<ul style="list-style-type: none"> • Identification of self-management skills • Strength and weakness analysis • Use of positive metaphors/words. • Positive stroking on wakeup and before going bed. 	<ul style="list-style-type: none"> • Exercises on stress-management techniques – yoga, meditation, physical exercises • Preparing a write-up on an essay on experiences during a holiday trip 	<ul style="list-style-type: none"> • Apply stress management techniques • Demonstrate the ability to work independently 	Worksheets Notebook work Group Discussion
Part A Unit 3: Information and Communication Technology Skills– II	<ul style="list-style-type: none"> • Classes of operating systems • File concept, file operations, file organization, directory structures, and file-system structures • Creating and managing files and folders • Importance and need of care and maintenance of computer 	<ul style="list-style-type: none"> • Cleaning computer components • Preparing maintenance schedule • Protecting computer against viruses • Scanning and cleaning viruses and removing SPAM files, temporary files and folders 	<ul style="list-style-type: none"> • Identification of taskbar, icons, menu, etc. • Demonstration and practicing of creating, renaming and deleting files and folders, saving files in folders and sub-folders, restoring files and folders from recycle bin 	<ul style="list-style-type: none"> • Distinguish between different operating systems • Apply basic skills for care and maintenance of computer 	Worksheets Notebook work Group Discussion

Part B Unit 3: ADVANCE PYTHON	<ul style="list-style-type: none"> ● Introduction to Anaconda ● What is a Virtual Environment? ● Introduction to Python ● Understanding/Working with Jupyter Notebook ● Why Python 	<ul style="list-style-type: none"> ● Understanding of Python Basics (Variables, Arithmetic Operators, Expressions, Data Types -integer, float, strings, using print() and input() functions) 	<ul style="list-style-type: none"> ● Students will try some basic problem-solving exercises using lists on Python Compiler. ● Programming with Conditional/ Looping Statements 	<ul style="list-style-type: none"> ● Students will try some simple problem-solving exercises on Python Compiler. 	Practical Orientation Worksheets Quiz Notebook work Group Discussion
Part B Unit 4: DATA SCIENCES	<ul style="list-style-type: none"> ● Introduction to Data Science ● Python for Data Sciences ● Statistical Learning & Data Visualisation ● K-nearest neighbour model 	<ul style="list-style-type: none"> ● Applications of Data Science ● Revisiting AI Project Cycle Concepts of Data Sciences 	<ul style="list-style-type: none"> ● Personality Prediction 	<ul style="list-style-type: none"> ● Concepts of Data Sciences ● Understanding K-nearest neighbour model 	Practical Orientation Worksheets Quiz Notebook work Group Discussion

Months: September - October

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Part B Unit 5: COMPUTER VISION	<ul style="list-style-type: none"> • Introduction to Computer Vision • Applications of CV • Introduction to OpenCV • Convolution operator • Convolution Neural Network 	<ul style="list-style-type: none"> • Image Processing 	<ul style="list-style-type: none"> • Convolution Operator • Testing CNN 	<ul style="list-style-type: none"> • Understanding CV Concepts <ul style="list-style-type: none"> ➤ Pixels ➤ How do computers see images? ➤ Image Features 	Practical Orientation Worksheets Quiz Notebook work Group Discussion
Part B Unit 6: NATURAL LANGUAGE PROCESSING	<ul style="list-style-type: none"> • Introduction to Natural Language Processing • NLP Applications • Human Language VS Computer Language 	<ul style="list-style-type: none"> • Introduction to Chatbots • Revisiting AI Project Cycle 	<ul style="list-style-type: none"> • Text processing <ul style="list-style-type: none"> ➤ Data Processing ➤ Bag of Words ➤ TFIDF ➤ NLTK 	<ul style="list-style-type: none"> • Understanding Language Differences • Concepts of Natural Language Processing 	Worksheets Quiz Notebook work Group Discussion
Part B UNIT 7: EVALUATION	<ul style="list-style-type: none"> • Introduction to Model Evaluation • Evaluation Score Calculation 	<ul style="list-style-type: none"> • Confusion Matrix 	<ul style="list-style-type: none"> • Practice Evaluation 	<ul style="list-style-type: none"> • Understanding Accuracy, Precision, Recall & F1 Score 	Worksheets Quiz Notebook work Group Discussion

Months: November - December

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Revision Pre-Boards					Worksheets Group Discussion Paper Pen/Online Quiz

Months: January - February

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Revision Boards					Worksheets Group Discussion Paper Pen/Online Quiz

ANNUAL CURRICULUM PLAN (SESSION: 2023-24)**STEP: 10****SUBJECT: MUSIC (Vocal)****APRIL – MAY**

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	ASSESSMENT/OBSERVATION
<ul style="list-style-type: none">• National Anthem (with meaning)• National Songs (with meaning)• Shloka (with meaning)• We are the BGS• Performance on Earth Day• Mother's day performance• Prayers- (Tum hi Mata• School Songs-(janam diya ishwer ne)	<ul style="list-style-type: none">• Tanpura• Audio Recording• Lyrics Sheet	<ul style="list-style-type: none">• Voice modulation• Knowledge of Ragas, beat, rhythm• Practical voice training, discipline	<ul style="list-style-type: none">• Melody• Rhythm• Voice Quality• Alignment with Scale

JULY- AUGUST

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	AREAS OF ASSESSMENT/OBSERVATION
<ul style="list-style-type: none">• Shloka (with meaning)• Guru Purnima Performance• Van Mahotsav day• Performance on World nature conv. day• Prayers- (O palan haare)• Performance on Independence Day	<ul style="list-style-type: none">• Tanpura• Audio Recording• Lyrics Sheet	<ul style="list-style-type: none">• Voice modulation• Knowledge of Ragas, beat, rhythm• Practical voice training, discipline	<ul style="list-style-type: none">• Melody• Rhythm• Voice Quality• Alignment with Scale

SEPTEMBER-OCTOBER

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	AREAS OF ASSESSMENT/OBSERVATION
<ul style="list-style-type: none"> Shlokas (with meaning) Prayer- (humko man ki shakti) Chopaiyan (with meaning) Performance on teacher's day Performance on Janmashtami Performance on Gandhi Jayanti Performance on Dussehra Alankaar 	<ul style="list-style-type: none"> Tanpura Audio Recording Lyrics Sheet 	<ul style="list-style-type: none"> Voice modulation Knowledge of Ragas, beat, rhythm Practical voice training, discipline 	<ul style="list-style-type: none"> Melody Rhythm Voice Quality Alignment with Scale

NOVEMBER – DECEMBER

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	AREAS OF ASSESSMENT/OBSERVATION
<ul style="list-style-type: none"> English Prayers-(We are the BGS) Performance on Diwali Gurupurab Performance Annual Day Performance on Christmas day Basant Panchami Raag Bhoopali Raag Bhairav Raag yaman 	<ul style="list-style-type: none"> Tanpura Audio Recording Lyrics Sheet 	<ul style="list-style-type: none"> Voice modulation Knowledge of Ragas, beat, rhythm Practical voice training, discipline 	<ul style="list-style-type: none"> Melody Rhythm Voice Quality Alignment with Scale

JANUARY - FEBRUARY

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	ASSESSMENT/OBSERVATION
<ul style="list-style-type: none">English Prayers-(We are the BGS)Performance on Republic DayRaag yamanTaals- Ektaal, TeentaalHindi Prayers- (aye malik tere bande hum)	<ul style="list-style-type: none">TanpuraAudio RecordingLyrics Sheet	<ul style="list-style-type: none">Voice modulationKnowledge of Ragas, beat, rhythmPractical voice training, discipline	<ul style="list-style-type: none">MelodyRhythmVoice QualityAlignment with Scale

ANNUAL CURRICULUM PLAN: 2023-24**STEP: X****SUBJECT: MUSIC (INSTRUMENTAL)****APRIL – MAY**

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	ASSESSMENT/OBSERVATION
<ul style="list-style-type: none">• National Anthem (with meaning)• National Songs (with meaning)• Basic Theory (Parts of Guitar, Parts of Keyboard, and Parts of Drums)• Types Of Chords (Major Chord, Minor Chord, and Sharp Chord)• All Major Scale(Practical)• Performance on Earth Day• Mother’s day performance• School Anthem (WE ARE THE BGS)	<ul style="list-style-type: none">• Guitar• Keyboard• Drum• Practice Pad	<ul style="list-style-type: none">• Work on Beats• Tempo• Prepare the Correct song with the correct pitch	<ul style="list-style-type: none">• Tempo• Tones• Sound Quality• Knowledge of Beats

JULY – AUGUST

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	ASSESSMENT/OBSERVATION
<ul style="list-style-type: none">• Van Mahotsav day• Basic Introduction About Tabla• Performance on World nature conv. day• All Minor Scale(Practical)• All Sharp Scale(Practical)• How to find Scale• Performance on Independence day	<ul style="list-style-type: none">• Guitar• Keyboard• Drum• Ukulele• Tabla	<ul style="list-style-type: none">• Voice Modulation• Knowledge of Rhythm• Works on Beats• Tempo	<ul style="list-style-type: none">• Melody• Rhythm• Voice Quality• Alignment with Scale• Tempo

SEPTEMBER – OCTOBER

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	ASSESSMENT/OBSERVATION
<ul style="list-style-type: none"> ● Tabla Taal ● Time Signature ● Drum Beats ● Gandhi Jayanti ● Performance on teacher's day ● Performance on Janmashtami ● Dussehra Performance 	<ul style="list-style-type: none"> ● Tabla ● Ukulele ● Drum practice pad ● Shaker ● Tambourine 	<ul style="list-style-type: none"> ● Voice modulation ● Rhythm ● Work on Beats ● Practical on Drum ● Practice on Song 	<ul style="list-style-type: none"> ● Melody ● Rhythm ● Tempo ● Beats ● Time Signature

NOVEMBER – DECEMBER

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	ASSESSMENT/OBSERVATION
<ul style="list-style-type: none"> ● Learn Chords ● Major Chord ● Minor Chord ● Sharp Chord ● Chord Formation ● Diwali Performance ● Chaupai With Meaning ● Performance on Christmas day ● Annual Day 	<ul style="list-style-type: none"> ● Guitar ● Keyboard ● Drum ● Tabla ● Ukulele 	<ul style="list-style-type: none"> ● Voice modulation ● Knowledge of beats ● Song Preparation on Instruments Play ● Practically Songs with Chords 	<ul style="list-style-type: none"> ● Melody ● Rhythm ● Tempo ● Pitch ● Sound ● Beats ● Time Signature

JANUARY – FEBRUARY

CONTENT	TECHNIQUES/ RESOURCES USED	SKILL DEVELOPMENT	ASSESSMENT/OBSERVATION
<ul style="list-style-type: none">● Learn Beats 4/4 Beats 3/4 Beats 6/8 Beats● Republic Day Performance● English Prayer with Instrument(We Are The BGS)	<ul style="list-style-type: none">● Guitar● Keyboard● Drum● Tabla● Ukulele	<ul style="list-style-type: none">● Voice modulation Knowledge of beats● Song Preparation on Instruments Play Practically Songs with Chords	<ul style="list-style-type: none">● Melody● Rhythm● Tempo● Pitch● Sound● Beats● Time Signature

ANNUAL CURRICULUM PLAN : 2023-2024

SUB: DANCE

CLASS : X

MONTH : - APRIL - MAY

CONTENT	TECHNIQUES / RESOURCES	SKILL DEVELOPMENT	ASSESSMENT / OBSERVATION
<ul style="list-style-type: none">◆ World dance day.◆ Pure classical dance form [kathak nritya]- Basic knowledge of a style.◆ Introduction - Teen Taal - 16 beats [kathak Nritya - PURE CLASSICAL].◆ Shiv strota.	<ul style="list-style-type: none">◆ The task based approach focused on the skills and competencies .◆ Audio - visuals aids:video clips.◆ Dance training with the help of audio system and other related equipment s.	<ul style="list-style-type: none">◆ Development of the effective psycho motor domain.◆ Development of keen sense of rhythm and balance.◆ Knowledge and respect for diverse Indian culture and heritage .	<ul style="list-style-type: none">◆ Performance◆ Rhythm◆ Coordination◆ Expression

MONTH : - JULY-AUGUST

CONTENT	TECHNIQUES / RESOURCES	SKILL DEVELOPMENT	ASSESSMENT / OBSERVATION
<ul style="list-style-type: none"> ◆ Independence day - Patriotic theme .[dance style- fusion] ◆ Teen taal - 16 beats - full knowledge of foot work of taal teen taal. ◆ Navras - basic knowledge of navrasa [expression's]. ◆ Guru Poornima, Contemporary dance. 	<ul style="list-style-type: none"> ◆ The task based approach focused on the skills and competencies . ◆ Audio - visuals aids:video clips. ◆ Dance training with the help of audio system and other equipments. 	<ul style="list-style-type: none"> ◆ Development of the effective psycho motor domain. ◆ Development of keen sense of rhythm and balance. ◆ Knowledge and respect for diverse Indian culture and heritage . 	<ul style="list-style-type: none"> ◆ Performance ◆ Rhythm ◆ Coordination ◆ Expression

MONTH : -SEPTEMBER-OCTOBER

CONTENT	TECHNIQUES / RESOURCES	SKILL DEVELOPMENT	ASSESSMENT / OBSERVATION
<ul style="list-style-type: none"> ◆ Dussehra special - [dance style -semi classical]. ◆ Janmashtmi - semi classical - krishna bhajan . 	<ul style="list-style-type: none"> ◆ The task based approach focused on the skills and competencies . ◆ Audio - visuals aids:video clips. ◆ Dance training with the help of audio system and other related equipments. 	<ul style="list-style-type: none"> ◆ Development of the effective psycho motor domain. ◆ Development of keen sense of rhythm and balance. ◆ Knowledge and respect for diverse Indian culture and heritage . 	<ul style="list-style-type: none"> ◆ Performance ◆ Rhythm ◆ Coordination ◆ Expression

MONTH : -NOVEMBER-DECEMBER

CONTENT	TECHNIQUES / RESOURCES	SKILL DEVELOPMENT	ASSESSMENT / OBSERVATION
<ul style="list-style-type: none"> ◆ Annual day. ◆ Diwali celebration. ◆ Folk dance - chari from rajsthaan. 	<ul style="list-style-type: none"> ◆ The task based approach focused on the skills and competencies . ◆ Audio - visuals aids:video clips. ◆ Dance training with the help of audio system and other related equipment s. 	<ul style="list-style-type: none"> ◆ Development of the effective psycho motor domain. ◆ Development of keen sense of rhythm and balance. ◆ Knowledge and respect for diverse Indian culture and heritage . 	<ul style="list-style-type: none"> ◆ Performance ◆ Rhythm ◆ Coordination ◆ Expression

MONTH : -JANUARY-FEBRUARY-MARCH

CONTENT	TECHNIQUES / RESOURCES	SKILL DEVELOPMENT	ASSESSMENT / OBSERVATION
<ul style="list-style-type: none"> ◆ Republic day . ◆ Bharatnatyam - basic knowledge of a dance style. ◆ Ganesh vandna - pure classical dance . 	<ul style="list-style-type: none"> ◆ The task based approach focused on the skills and competencies . ◆ Audio - visuals aids:video clips. ◆ Dance training with the help of audio system and other related equipment s. 	<ul style="list-style-type: none"> ◆ Development of the effective psycho motor domain. ◆ Development of keen sense of rhythm and balance. ◆ Knowledge and respect for diverse Indian culture and heritage . 	<ul style="list-style-type: none"> ◆ Performance ◆ Rhythm ◆ Coordination ◆ Expression

ANNUAL CURRICULUM PLAN(SESSION: 2023-24)

STEP :- 10

SUBJECT: ART AND CRAFT

BOOK- AESTHETICS ART

MONTH: APRIL –MAY

CHAPTER/TOPIC	TECHNIQUES USED	SKILL DEVELOPMENT	AREAS OF OBSERVATION
<ul style="list-style-type: none">● 1- Elements of Art● 2- Principles of Art● 3- Still Life● 4- Nature Study● 5- Bird Study● 6- Animal Study	<ul style="list-style-type: none">● Disciple construction● Pencil drawing● Free hand drawing and shading● Hatching and cross hatching techniques● Tonal sketching● Blending● Smudge free drawing	<ul style="list-style-type: none">● Self-expression● Observation● Exploration● Aesthetic sense● Spatial comprehension● Colour sense● Fine motor skills● Drawing● Tracing● Focus● Perspective● Confidence● Perseverance● Simple coordination	<ul style="list-style-type: none">● Imagination● Creativity● Colour sense● Strokes● Neatness

MONTH:JULY-AUGUST

CHAPTER/TOPIC	TECHNIQUES USED	SKILL DEVELOPMENT	AREAS OF OBSERVATION
<ul style="list-style-type: none">● 7- Landscape● 8- Body Proportions● 9- Sketching● 10- Portrait● 11- Composition● 12- 3 D Art	<ul style="list-style-type: none">● Step by step process● Smudge free drawing● Blending● Visual arts	<ul style="list-style-type: none">● Self-expression● Observation● Exploration● Aesthetic sense● Spatial comprehension● Colour sense● Fine motor skills● Drawing● Tracing● Focus● Perspective● Simple coordination	<ul style="list-style-type: none">● Imagination● Creativity● Colour sense● Strokes● Neatness

MONTH: SEPTEMBER - OCTOBER

CHAPTER/TOPIC	TECHNIQUES USED	SKILL DEVELOPMENT	AREAS OF OBSERVATION
<ul style="list-style-type: none">● 13- Knife Painting● 14- Modern Art● 15- Poster Design● 16- Cartoon Design● 17- Folk Art● 18- Warli Art	<ul style="list-style-type: none">● Smudge free drawing● Blending● Focus● Triadic color scheme● Hatching and cross hatching techniques	<ul style="list-style-type: none">● Self-expression● Observation● Exploration● Aesthetic sense● Spatial comprehension● Colour sense● Fine motor skills● Drawing● Tracing● Focus● Perspective● Simple coordination	<ul style="list-style-type: none">● Imagination● Creativity● Colour sense● Strokes● Neatness

MONTH:NOVEMBER – DECEMBER

CHAPTER/TOPIC	TECHNIQUES USED	SKILL DEVELOPMENT	AREAS OF OBSERVATION
<ul style="list-style-type: none">● 19- Collage● 20- Calligraphy● 21- Mehendi Design● 22- Nail Art● 23- Book Cover● 24- Rangoli	<ul style="list-style-type: none">● Hatching and cross hatching techniques● Sketching_Disciple construction● Pencil drawing● Free hand drawing and shading● Visual arts	<ul style="list-style-type: none">● Self-expression● Observation● Exploration● Aesthetic sense● Spatial comprehension● Colour sense● Fine motor skills● Drawing● Tracing● Focus● Perspective● Simple coordination	<ul style="list-style-type: none">● Imagination● Creativity● Colour sense● Strokes● Neatness

MONTH:JANUARY- FEBRUARY

CHAPTER/TOPIC	TECHNIQUES USED	SKILL DEVELOPMENT	AREAS OF OBSERVATION
<ul style="list-style-type: none">● 25- T-Shirt Design● 26- Logo Designing● 27- Lino Art● 28- Drawing Using Colours● 29- Craft Time● 30- Legendary Artists● 31- Glossary	<ul style="list-style-type: none">● Hatching and cross hatching techniques● Sketching_Disciple construction● Pencil drawing● Free hand drawing and shading● Visual arts	<ul style="list-style-type: none">● Self-expression● Observation● Exploration● Aesthetic sense● Colour sense● Fine motor skills● Drawing● Focus● Perspective● Simple coordination	<ul style="list-style-type: none">● Imagination● Creativity● Colour sense● Strokes● Neatness

ANNUAL CURRICULUM PLAN (2023-24)

STEP: X

SUBJECT: HEALTH EDUCATION

Book: Health Quest-10

Months: April - May

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter – 1 Systems of Human Body	<ul style="list-style-type: none"> Organ system in our body. Effect of exercise on organ systems 	<ul style="list-style-type: none"> To be able to explore the ways the systems in the human body work together List the major organ systems of the human body List the body parts associated with each organ system Give the function of each organ system. 	<ul style="list-style-type: none"> Demonstration of various exercises and making students to work on standardized tests and record their respective fitness level. 	<ul style="list-style-type: none"> Knowledge about different types of physical activity including changes in our body systems. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter -2 Growth and Development	<ul style="list-style-type: none"> Adolescence Changes during adolescence: physical, physiological and psychological. 	<ul style="list-style-type: none"> To be able to understand the process of growing up. To be able to explore the concept of pregnancy and sexual development. 	<ul style="list-style-type: none"> Activity: Measuring of pulse rate Activity: Measuring circumference of different body parts. Discussion Interactive sessions 	<ul style="list-style-type: none"> Critical thinking about the impact of physical changes of puberty for boys and girls. Understand how emotions develop in adolescence. 	<ul style="list-style-type: none"> Playground games Short/long answer questions MCQ/one word Fill in the blank
Chapter 3 Physical Education	<ul style="list-style-type: none"> Importance of physical education Objectives of physical education Warming up and cooling down Sports psychology 	<ul style="list-style-type: none"> To be able to understand the need and importance of physical education To be able to know about APE. To be able to understand the relationship of physical education with other discipline of knowledge. 	<ul style="list-style-type: none"> Activity: Measuring of blood pressure Case study 	<ul style="list-style-type: none"> To inculcate good healthy habits in a child and to improve his/her performance with the help of physical activities and education. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks

Months: July – August

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 4 Sports and Games	<ul style="list-style-type: none"> Historical evolution, rules, and terminologies of various sports Fundamental skills needed to play different sports 	<ul style="list-style-type: none"> To be able to list some elite personalities of different sports. To be able to know about sports competitions and tournaments. 	<ul style="list-style-type: none"> Practical demonstration of rules and required skills needed to play different sports. 	<ul style="list-style-type: none"> Adapting fundamental skills needed to play different sports 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter 5 Career Avenues in the Field of Physical Education.	<ul style="list-style-type: none"> Career opportunities in the field of physical education. 	<ul style="list-style-type: none"> To be able to know about the educational qualifications and leading institutes of physical education. 	<ul style="list-style-type: none"> Interactive Sessions 	<ul style="list-style-type: none"> Understand the relationship of physical education with other discipline of knowledge. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter 7 Yoga	<ul style="list-style-type: none"> Stress and factors inducing stress The role of yoga in stress management 	<ul style="list-style-type: none"> To be able to know about benefits of relaxation, yoga and meditation. 	<ul style="list-style-type: none"> Activity: Demonstration and performing various Asanas. Case studies 	<ul style="list-style-type: none"> Learn to stress management techniques that can help to handle stress anxiety, and emotional disturbance in a better and healthier manner. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks

Months: September - October

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 8 Healthy Community Living	<ul style="list-style-type: none"> Understanding the meaning of community Relationship within a community Camping 	<ul style="list-style-type: none"> To be able to list and describe relationship with community. To be able to know about importance of camping. 	<ul style="list-style-type: none"> Activity: Camping Role play: Community interaction and involvement 	<ul style="list-style-type: none"> Inculcation of values to live together. Organization of camping. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter 9 Insecticides, Pesticides and Electromagnetic Radiations.	<ul style="list-style-type: none"> Pesticides Nuclear issues Electromagnetic radiation. 	<ul style="list-style-type: none"> Acquire information about the risks associated with the use of pesticides. Interpret pesticide labels and images. Define integrated pest management and other pesticide alternatives. 	<ul style="list-style-type: none"> Activity: Preparing charts depicting effects of nuclear and electromagnetic radiation. 	<ul style="list-style-type: none"> Aware of nuclear and electromagnetic radiations. Familiarity with pesticide safe handling. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter 10 Need for Dietary Planning	<ul style="list-style-type: none"> Food quality Conservation of food Food for family Meal planning and dietary needs 	<ul style="list-style-type: none"> To be able to identify the role of food as treatment. To be able to know about conservation of food. To be able to describe how is food adulterated and what are its effect. 	<ul style="list-style-type: none"> Activity: Preparation of diet chart for various categories and age groups of people. Project: To learn how one can file a complaint against bad quality food to consumers in India and abroad. 	<ul style="list-style-type: none"> Evaluate foods in regards to nutritional values. Apply nutritional values to personal diet. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks

Months: November – December

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 11 Occupational Health Hazards	<ul style="list-style-type: none"> Importance of safety at workplace First aid at workplace Safety while working with machines, handling insecticides, electricity, and electric gadgets. 	<ul style="list-style-type: none"> Critically analyse the importance of safety while using heavy machinery, electricity and chemicals. To differentiate between Generic and Branded medicines. 	<ul style="list-style-type: none"> Activity: Group Discussion on Do's and Don'ts of buying medicines. 	<ul style="list-style-type: none"> Explain the importance of Work Place Safety Parameters. Highlight the importance of National Policy on Safety, Health and Environment at Workplace. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter 12 Precautions while Taking Medicines	<ul style="list-style-type: none"> Knowledge about medicines. Commonly abused substance: Drugs Ways of preventing drug abuse 	<ul style="list-style-type: none"> To be able to know about the Indian systems of medicine. To be able to know the ways of preventing drug abuse. 	<ul style="list-style-type: none"> Activity: Prepare a write-up on how the United Nations International Drug Control Programme contributes to the prevention and reduction of substance abuse among young people. Case study 	<ul style="list-style-type: none"> Increase awareness of side effects of drug overdose. Highlight the effects of excessive use of medicines. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter 13 Sociological aspects of Health education	<ul style="list-style-type: none"> Life planning: thinking for future Learning to manage adult interactions Advocacy and health communication Children as change agents 	<ul style="list-style-type: none"> To be able to understand the adult-child interactions. To be able to understand the School role in health care. 	<ul style="list-style-type: none"> Activity: The game of Charades. 	<ul style="list-style-type: none"> To learn to live a socially healthy life. Effective communication for interpersonal relationships. Problem solving and decision making skills. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks

Months: January – February

Chapter/ Topic	Learning Objectives		Activities & Resources	Expected Learning Outcomes	Assessment
	Knowledge/ Content Based	Application/ Aptitude Based		Skill Based	
Chapter 14 Health Services	<ul style="list-style-type: none"> Economics of health care Health Equity Health insurance and its need Careers in healthcare 	<ul style="list-style-type: none"> To be able to understand the challenges in Indian health care economy. To develop an understanding of Health equity. 	<ul style="list-style-type: none"> Interactive sessions Quiz 	<ul style="list-style-type: none"> To make optimum use of health insurance and health schemes by Government of India. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks
Chapter 15 Government Agencies Promoting Games and Sports in India	<ul style="list-style-type: none"> Sports Authority in India Sports academic institutions Sports school Promotion of yoga 	<ul style="list-style-type: none"> To be able to understand the role of Government in sports promotion. To be able to enlist Institutes of physical education, sports school, CBSE NCERT Yoga institutions. 	<ul style="list-style-type: none"> Essay writing: The importance of participation in sports and yoga for people belonging to all age groups. 	<ul style="list-style-type: none"> To understand the significance of sports for a nation. 	<ul style="list-style-type: none"> Short/long answer questions MCQ/one word Fill in the blanks

ANNUAL CURRICULUM PLAN (2023-24)

STEP: X

SUBJECT: PHYSICAL EDUCATION

Month	Lesson Plan	Expected Learning Outcome
April	<ul style="list-style-type: none">● Athletics● Shotput● Discuss throw● Martial Arts	<ul style="list-style-type: none">● Types of starts: standing & sitting● Types of phases in sprint and long run● Techniques & types of throwing● Stretching + Fitness
May	<ul style="list-style-type: none">● Badminton● Chess● Martial Arts	<ul style="list-style-type: none">● Gripping, Serves, Forehand, smash, drop and Backhand Shuttle control●● Rules of game, How they move.● Gymnastics – Cartwheel, Back Handspring
July	<ul style="list-style-type: none">● Table-tennis● Carrom● Martial Arts	<ul style="list-style-type: none">● Gripping, Serves, Forehand, Backhand & ball controlling● Rules of game.●● Types of Kicks (Karate/Taekwondo)
August	<ul style="list-style-type: none">● High jump● Yoga● Martial Arts	<ul style="list-style-type: none">● Plyometric exercise for high, jumping, types of jumps and techniques of landing● Flexibility sessions● Padmasana, Tadasana, Trikonasana, Bhujangasana, Paschimottanasana, Sukhasana, Vrikshasana, Suryanamaska, Chakrasana, Halasana, Surya namaskar● Types of Kicks (Karate/Taekwondo)

September	<ul style="list-style-type: none"> ● Kabaddi ● kho- kho ● Martial Arts 	<ul style="list-style-type: none"> ● Rules and regulations of the game ● Chain Tackle, Waist hold, Ankle hold, Thigh hold, Diving Ankle holds, Block, lobby use. ● Tapping, Diving, Grasping Direction, Running Zig Zag, Kho Kho Position ● Types of attacks, defense & types of running and diving. ● Kicks Practice with Execution (Play)
October	<ul style="list-style-type: none"> ● Long jump ● Volleyball ● Martial Arts 	<ul style="list-style-type: none"> ● Types of jumping techniques & landing techniques ● Types of attacks, defence, movements & volley techniques ● Types of Punches (Boxing, Karate, Taekwondo)
November	<ul style="list-style-type: none"> ● Basket ball ● Martial Arts 	<ul style="list-style-type: none"> ● Rules and regulations of the game ● Types of dribbling, lay up shots, defensive techniques, ball rotation, shooting techniques ● Punch + Kick combinations, Nunchucks
December	<ul style="list-style-type: none"> ● Cricket ● Martial Arts 	<ul style="list-style-type: none"> ● Bat gripping, drive shots, pull shots ● Balling actions side-on and front-on ● Short & long catches, fielding position and throwing ● Self-Defence - Techniques, Handstand
January	<ul style="list-style-type: none"> ● Football ● Martial Arts 	<ul style="list-style-type: none"> ● Dribbling techniques, defence, man to man, attack technique, goal keeping, passing techniques & ball control ● ● Self-Defence – Techniques, Handstand Walk
February	<ul style="list-style-type: none"> ● Tennis ● Handball ● Martial Arts 	<ul style="list-style-type: none"> ● Griping, Serves, Forehand, Backhand, ground position & ball controlling ● Gymnastics, Punches, Kick, Combinations, Self-defence