Manav Sehyog School, Jalandhar

Syllabus 2025-26

Subject- English, Grade- X

Course Book: First Flight, Footprints Without Feet.

Grammar & Writing: As per CBSE Guidelines

Module	Months	No. of Days	Chapters and Topics to be Taught	Learning Objectives	Activity Planned / Integration of Art/SDGs
I	**April**	18	Bridge Course: Revision of Tenses, Direct-Indirect Speech, Paragraph Writing Writing Skill: Analytical Paragraph First Flight: Ch 1 – A Letter to God, Poem – Dust of Snow First Flight: Ch 2 – Nelson Mandela, Two Stories About Flying, Poem – Fire and Ice Footprints Without Feet: Ch – The Triumph of Surgery, The Thief's Story, The Midnight Visitor Reading Comprehension Worksheet	❖ Reinforce foundational grammar and writing skills. Understand themes of faith and hope in prose and poetry. ❖ Explore leadership, bravery, and logical thinking through prose. Enhance comprehension and interpretative skills.	Analytical paragraph writing on moral values Poem recitation: Expression & Intonation Poster: Anti-apartheid messages Character sketch activity SDG 16 – Peace & Justice
II	**May**	25	First Flight: Poem – The Ball Poem, A Tiger in the Zoo, How to Tell Wild Animals, From the Diary of Anne Frank, Ch – Mijbil the Otter Footprints Without Feet: Ch – A Question of Trust	❖ Understand poetic imagination and personal expression. Analyze trust and adolescence through diary entries.	Diary entry from Anne's perspective MCQ worksheets SDG 4 – Quality Education
Periodic Test -I (Based on the Syllabus covered in April)					
June- Summer Break					
III	**July**	26	First Flight: Ch – Madam Rides the Bus, Poem – Amanda, The Trees, The Sermon at Benares	❖ Understand themes of self-awareness and kindness. Reflect on detachment and logic in life.	Group discussion: Moral of sermons Creative sketching: Amanda's world

			Footprints Without Feet: Ch – Footprints Without Feet		
IV	**August**	23	Footprints Without Feet: Ch – The Necklace, Bholi First Flight: Poem – Fog, The Tale of Custard the Dragon Grammar: Revision of Tenses, Direct-Indirect Speech	❖ Explore societal expectations and personal transformation. Identify and apply grammar rules accurately.	Debate: Outer appearance vs reality Grammar quiz SDG 5 – Gender Equality
V	**September**	25	Footprints Without Feet: Ch – The Making of a Scientist, The Book That Saved the Earth First Flight: Ch – Glimpses of India, The Proposal Poem – For Anne Gregory Writing: Letter Writing	❖ Appreciate scientific curiosity and satire. Develop letter writing format and tone.	Letter writing practice Role play – The Proposal SDG 9 – Innovation & Infrastructure
VI	**October**	21	**PREBOARD 1 EXAMS**		
VII	**November**	20	**REVISION**		
VIII	**December**	21	**PREBOARD 2 EXAMS**		
IX	**January**	24	**PREBOARD 3 EXAMS**		
X	**February**	23	**FINAL EXAMINATION**		

विषय – हिन्दी, कक्षा -दसवीं

पुस्तक: पाठ्यपुस्तक - स्पर्श भाग 2 संचयन भाग 2
व्याकरण - S.P Publications

मॉड्यूल	माह	दिनों की संख्या	पढ़ाए जाने वाले अध्याय	उद्देश्य	गतिविधि
I	अप्रैल	18	व्याकरण – वाक्य परिवर्तन, मुहावरे , सूचना लेखन, अपठित गदयांश स्पर्श – पाठ – 10) तनताारा वामीरों कथा	1. पठन कौशल का विकास करना । 2. नए शब्दों के अर्थ समझ कर वाक्यों में प्रयोग करना । 3. पाठ के मूल भाव को लिखना । 4. व्याकरण के खंडों पर पकड़ मजबूत बनाना । 5. कविता को लयबद्ध ढंग से पढ़ना ।	1. साखियों से जुड़ा चार्ट बनाना 2. दोनों पाठों से जुड़े प्रश्न बैंक बनाना। **S.D.G –गुणात्मक शिक्षा का प्रसार** **विषय-संवर्धन - संगीत।** –

			स्पर्श -पाठ – साखी, पाठ – 5 तोप) काव्य-खंड	6. पाठ की घटनाओं को दैनिक जीवन के साथ जोड़कर देखना । 7. पठित पाठ की तुलना दूसरे विषयों के साथ करना । 8. पाठ को अपने शब्दों में कहना । 9. स्वयं प्रश्नो के उत्तर लिखने का अभ्यास करना । 10. कविता या कहानी लिखने की कला विकसित करना ।	विद्यार्थी संगीत के अध्यापक की सहायता से काव्य पाठ को लयबद्ध ढंग से उच्चारण करने का अभ्यास करेंगे।
II	मई	25	व्याकरण – मुहावरे , पदबंध , विज्ञापन , अनुच्छेद, अपठित गदयांश , पठित कवयांश स्पर्श – पाठ – 2 मीरा के पद , पाठ – 6 कर चले हम फिदा पाठ – 9 डायरी का पन्ना पाठ 12 – अब कहाँ दूसरे के दुख में दुखी होने वाले	1. पठन कौशल का विकास करना । 2. नए शब्दों के अर्थ समझ कर वाक्यों में प्रयोग करना । 3. पाठ के मूल भाव को लिखना । 4. व्याकरण के खंडों पर पकड़ मजबूत बनाना । 5. कविता को लयबद्ध ढंग से पढ़ना । 6. पाठ की घटनाओं को दैनिक जीवन के साथ जोड़कर देखना । 7. पठित पाठ की तुलना दूसरे विषयों के साथ करना । 8. पाठ को अपने शब्दों में कहना । 9. स्वयं प्रश्नो के उत्तर लिखने का अभ्यास करना । 10. कविता या कहानी लिखने की कला विकसित करना ।	1. मुहावरों से जुड़ा सचित्र चार्ट बनाना **विषय-संवर्धन कला –** 1रहीम जी के दोहे रचनात्मक ढंग से अपने पत्राधान हेतु लिखना और कक्षा में उन दोहों की व्याख्या करते हुए कक्षा में सुनाना। देश प्रेम की भावना को विकसित करना **S.D.G -** **वन्य जीवन के प्रति संवेदनशील बनाना**
आवधिक परीक्षण – I अप्रैल माह का सम्पूर्ण पाठ्यक्रम(					
जून- ग्रीष्म अवकाश					
III	जुलाई	26	व्याकरण – समास, औपचारिक पत्र , ई मेल लेखन, अपठित गदयांश स्पर्श – पाठ – 3 पर्वत प्रदेश पाठ – 13 पतझर मे टूटीपत्तियाँ , पाठ – 14 कारतूस संचयन – पाठ – 1 हरिहर काका	1. पठन कौशल का विकास करना । 2. नए शब्दों के अर्थ समझ कर वाक्यों में प्रयोग करना । 3. पाठ के मूल भाव को लिखना । 4. व्याकरण के खंडों पर पकड़ मजबूत बनाना । 5. कविता को लयबद्ध ढंग से पढ़ना । 6. पाठ की घटनाओं को दैनिक जीवन के साथ जोड़कर देखना । 7. पठित पाठ की तुलना दूसरे विषयों के साथ करना । 8. पाठ को अपने शब्दों में कहना । 9. स्वयं प्रश्नो के उत्तर लिखने का अभ्यास करना । 10. कविता या कहानी लिखने की कला विकसित करना ।	1. पाठ – 3 के आधार पर सुंदर कविता लिखना व चित्र बनाना **S.D.G – पर्यावरण स्वच्छता बढ़ाना** **विषय-संवर्धन -** क्या संपत्ति विवादों का कारण बनती है ? इस विषय पर वाद-विवाद प्रतियोगिता
IV	अगस्त	23	व्याकरण – समास , अनुच्छेद लेखन, अपठित गदयांश , पठित काव्यान्श स्पर्श – पाठ – 8 बड़े भाई साहब , पाठ – 10 तीसरी कसम ,	1. पठन कौशल का विकास करना । 2. नए शब्दों के अर्थ समझ कर वाक्यों में प्रयोग करना । 3. पाठ के मूल भाव को लिखना । 4. व्याकरण के खंडों पर पकड़ मजबूत बनाना । 5. कविता को लयबद्ध ढंग से पढ़ना ।	1. मन पसंद फिल्म का पोस्टर बनाना और नायक के कुछ संवाद लिखना

			पाठ – 7 आत्मत्राण	6. पाठ की घटनाओं को दैनिक जीवन के साथ जोड़कर देखना । 7. पठित पाठ की तुलना दूसरे विषयों के साथ करना । 8. पाठ को अपने शब्दों में कहना । 9. स्वयं प्रश्नो के उत्तर लिखने का अभ्यास करना । 10. कविता या कहानी लिखने की कला विकसित करना ।	**विषय-संवर्धन**-फिल्मे हमारे समाज को कैसे प्रभावित करती है ? इस विषय पर आशु भाषण प्रतियोगिता **S.D.G - नव आविष्कार और नवीनीकरण**
V	सितंबर	25	व्याकरण – लघु कथा लेखन, अपठित गदयांश , पठित काव्यान्श स्पर्श – पाठ – 4 मनुष्यता संचयन– पाठ – 2 टोपी शुक्ल , पाठ – सपनों के से दिन	1. पठन कौशल का विकास करना । 2. नए शब्दों के अर्थ समझ कर वाक्यों में प्रयोग करना । 3. पाठ के मूल भाव को लिखना । 4. व्याकरण के खंडों पर पकड़ मजबूत बनाना । 5. कविता को लयबद्ध ढंग से पढ़ना । 6. पाठ की घटनाओं को दैनिक जीवन के साथ जोड़कर देखना । 7. पठित पाठ की तुलना दूसरे विषयों के साथ करना । 8. पाठ को अपने शब्दों में कहना । 9. स्वयं प्रश्नो के उत्तर लिखने का अभ्यास करना । 10. कविता या कहानी लिखने की कला विकसित करना ।	1. दोनों पाठों से जुड़ा प्रश्न बैंक बनाना। 2. विद्यालय का मानचित्र बनाना उसकी आकर्षित जगह का संक्षिप्त वर्णन करना **विषय-संवर्धन - पत्रकारिता -** रामायण के किसी एक पत्र के जीवन से मिलने वाली सीख को कलमबद्ध करना व कक्षा में चर्चा करना **S.D.G - समानता की भावना को विकसित करना ।**
VI	अक्तूबर	21	**प्रीबोर्ड– 1 (सम्पूर्ण पाठ्यक्रम)**		
VII	नवंबर	20	**दोहराव**		
VIII	दिसम्बर	21	**प्रीबोर्ड– 2 (सम्पूर्ण पाठ्यक्रम)**		
IX	जन वरी	24	**प्रीबोर्ड– 3 (सम्पूर्ण पाठ्यक्रम)**		
X	फरवरी	23	**अंतिम परीक्षा**		

ਵਿਸ਼ਾ ; ਪੰਜਾਬੀ ਨਿਰਧਾਰਤ ਪੁਸਤਕਾਂ: 1.ਸਾਹਿਤ ਮਾਲਾ ,ਵੰਨਗੀ

2. ਵਿਆਕਰਨ-ਐਸ ਪੀ. ਪਬਲੀਕੇਸ਼ਨਜ (ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਤੇ ਰਚਨਾਵਲੀ)

ਅਧਿਆਇ	ਮਹੀਨਾ	ਨਿਰਧਾਰਤ ਦਿਨ	ਪਾਠ ਦਾ ਨਾਮ / ਵਿਸ਼ਾ	ਸਿੱਖਣ - ਉਦੇਸ਼	ਵਿਸ਼ਾ ਮਾਹਰ ਗਤੀਵਿਧੀ /ਟਿਕਾਊ ਟੀਚੇ
I	ਅਪ੍ਰੈਲ	18	ਪੜ੍ਹਨ ਕੌਸ਼ਲ: ਅਣਡਿੱਠਾ ਪੈਰਾ ,ਅਣਡਿੱਠੀ ਕਵਿਤਾ ਸ਼ਾਹਿਤ 1.ਕਿਰਪਾ ਕਰਿ ਕੇ ਬਖ਼ਸਿ ਲੈ ਗੁਰੁ ਅਮਰਦਾਸ ਜੀ 2. ਘਰ ਦਾ ਪਿਆਰ (ਲੇਖ) , ਵਿਆਕਰਣ : ਸਮਾਸੀ ਸ਼ਬਦ ਮੁਹਾਵਰੇ (ਕ-ਝ) ਤੱਕ ਲਿਖਤ ਕੌਸ਼ਲ : ਤਸਵੀਰ ਵਿਵਰਨ ਨਿੱਜੀ ਪੱਤਰ	1.ਵਿਦਿਆਰਥੀ ਮੌਖਿਕ ਕੌਸ਼ਲ ਦਾ ਵਿਕਾਸ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ । 2. ਪਰਿਵਾਰ ਦੀ ਮਨੁੱਖੀ ਜੀਵਨ ਵਿੱਚ ਮਹੱਤਤਾ ਤੋਂ ਜਾਣੂ ਹੋਣਾ 3) ਲਿਖਤ ਕੌਸ਼ਲ ਦਾ ਵਿਕਾਸ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ ।	1.ਜਿਹੜੇ ਅਸੀਂ ਪਾਪ ਕਰਦੇ ਹਾਂ ਕੀ ਪਰਮਾਤਮਾ ਉਨ੍ਹਾਂ ਨੂੰ ਬਖ਼ਸ ਦਿੰਦਾ ਹੈ।(ਸਮੂਹ ਚਰਚਾ) 2. ਜੋੜਨੀ ਵਿਸਰਾਮ ਚਿੰਨ੍ਹ ਕਿਹੜਾ ਹੁੰਦਾ ਹੈ? ਜੋੜਨੀ ਲਗਾ ਕੇ ਕਿਹੜੇ ਸ਼ਬਦ ਬਣਦੇ ਹਨ? **ਟਿਕਾਊ ਟੀਚੇ : ਗੁਣਾਤਮਕ ਸਿੱਖਿਆ**
II	ਮਈ	25	3. ਕੁਲਛੀ (ਕਹਾਣੀ) 4. ਸੋ ਕਿਓ ਮੰਦਾ ਆਖੀਐ 5. ਦੂਜਾ ਵਿਆਹ (ਇਕਾਂਗੀ) ਬਹੁ-ਆਰਥਕ ਸ਼ਬਦ	4) ਤੁਕਬੰਦੀ ਦਾ ਵਿਕਾਸ ਦਾ ਵਿਕਾਸ ਹੋਵੇਗਾ 5) ਸੱਭਿਆਚਾਰਕ ਵਿਕਾਸ ਦੇ ਭਾਵ ਅਤੇ ਸਾਂਭ - ਸੰਭਾਲ ਦੇ ਭਾਵ ਵਿਕਸਤ ਕਰਨਾ । 6. ਮਾਂ ਬੋਲੀ ਪ੍ਰਤੀ ਸਤਿਕਾਰਤ ਭਾਵ ਪੇਸ਼ ਕਰਨੇ ।	3.ਸਮੂਹ ਚਰਚਾ:- ਭਾਈ ਚੀਜ਼ ਵੇਚਣ ਵੇਲੇ ਹੋਕਾ ਦਿੰਦੇ ਹਨ।ਇਸ ਦਾ ਕੀ ਮਤਲਬ ਹੈ। ਪਿਛਲੇ ਸਮੇਂ ਵਿੱਚ ਕਿਹੜੇ ਪੈਸੇ ਚਲਦੇ ਸਨ। 4.ਕਾਵਿ ਦੇ ਕਿੰਨ੍ਹੇ ਰੂਪ ਹਨ। ਮਾਨ ਚਿੱਤਰ ਤਿਆਰ ਕਰੋ । **ਟਿਕਾਊ ਟੀਚੇ: ਜ ੀਰੋ ਭੁੱਖਮਰੀ**
ਪੀ.ਟੀ ਪਰੀਖਿਆ 1 : 1.ਕਿਰਪਾ ਕਰਿ ਕੇ ਬਖ਼ਸਿ ਲੈ(ਗੁਰੁ ਅਮਰਦਾਸ ਜੀ 2. ਘਰ ਦਾ ਪਿਆਰ (ਲੇਖ) , ਵਿਆਕਰਣ : ਸਮਾਸੀ ਸ਼ਬਦ					

III	*ਜੁਲਾਈ*	*26*	*6. ਧਰਤੀ ਹੇਠਲਾ ਬ਼ਲ਼ਦ(ਕਹਾਣੀ)* *7. ਤੂੰ ਮੇਰਾ ਪਿਤਾ ਤੂੰ ਮੇਰਾ ਮਾਤਾ(ਗੁਰੁ ਅਰਜਨ ਦੇਵ ਜੀ)* *8.ਬੋਲੀ (ਲੇਖ) ਗੁਰਬਖਸ਼ ਸਿੰਘ* *ਲਿਖਤ ਕੌਸ਼ਲ : ਤਸਵੀਰ ਵਿਵਰਨ ਨਿੱਜੀ ਪੱਤਰ ਪ੍ਰਸਤਾਵ/ਲੇਖ ,ਦਫ਼ਤਰੀ ਪੱਤਰ*	*ਬੀਰ ਕਾਵਿ ਕੌਸ਼ਲਾਂ ਦਾ ਵਿਕਾਸ ਕਰਨਾ* *ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ ਦਾ ਭੰਡਾਰ ਵਿਕਸਤ ਕਰਨਾ ।* *ਬਜੁਰਗਾਂ ਪ੍ਰਤੀ ਆਦਰ ਅਤੇ ਸਨੇਹ ਦੇ ਭਾਵ ਪੈਦਾ ਕਰਨੇ ।*	*ਪੰਜਾਬੀ ਮਾਂ ਬੋਲੀ ਅਤੇ ਇਸ ਦੀਆ ਉਪ ਬੋਲੀਆਂ ਦਾ ਖਾਕਾ ਕਾਪੀ ਤੇ ਤਿਆਰ ਕਰੋ ।* *ਪੁਰਾਤਨ ਸਮੇਂ ਵਿੱਚ ਅਤੇ ਅੱਜ ਦੇ ਸਮੇਂ ਵਿੱਚ ਆਏ ਬਦਲਾਉ ਦੇ ਬਾਰੇ ਜਾਣੂ ਕਰਵਾਉਣ ਹਿੱਤ ਵਿਚਾਰ ਚਰਚਾ*
IV	ਅਗਸਤ	23	9.ਪ੍ਰਾਰਥਨਾ (ਲੇਖ) , 13. ਜੰਗ ਦਾ ਹਾਲ (ਸ਼ਾਹ ਮੁਹੰਮਦ) 14. ਮੇਰੇ ਵੱਡੇ ਵਡੇਰੇ (ਵਾਰਤਕ) ਤਸਵੀਰ ਵਿਵਰਣ ,ਲੇਖ(ਵਿਚਾਰ – ਪ੍ਰਧਾਨ) ਅਣਡਿੱਠੀ ਕਵਿਤਾ ਮੁਹਾਵਰੇ (ਕ-ਝ) ਤੱਕ ,ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ	ਪੱਤਰ ਸ਼ਬਦਾਵਲੀ ਦਾ ਭੰਡਾਰ ਵਿਕਸਤ ਕਰਨਾ ਅਤੇ ਕਾਰ ਵਿਹਾਰ ਦੇ ਲਈ ਵਰਤੋਂ ਵਿੱਚ ਲਿਆਉਣ ਦੇ ਲਈ ਪ੍ਰੇਰਤ ਕਰਨਾ । ਲਿਖਤ ਕੌਸ਼ਲ ਅਤੇ ਕਲਪਨਾ ਸ਼ਕਤੀ ਦਾ ਵਿਕਾਸ ਕਰਨਾ ।	11.ਤੁਰਨਾ ਸਿਹਤ ਲਈ ਕਿਉਂ ਜਰੂਰੂ ਹੈ? ਜਿਹੜੇ ਲੋਕਾਂ ਦੇ ਘਰ ਨੌਕਰ ਕੰਮ ਕਰਦੇ ਹਨ,ਉਨ੍ਹਾਂ ਦੀ ਸਿਹਤ ਖਰਾਬ ਕਿਉਂ ਰਹਿੰਦੀ ਹੈ? **ਟਿਕਾਊ ਟੀਚੇ: ਮੰਜਲ ਲਈ ਭਾਗੀਦਾਰੀ** ਸਿੱਧੇ ਤੁਰਨ ਵਾਲੇ ਆਪਣੀ ਮੰਜ਼ਲ ਤੇ ਪੁੰਹਚ ਜਾਂਦੇ ਹਨ?
V	**ਸਤੰਬਰ**	25	10. ਸਤਿਗੁਰੁ ਨਾਨਕ ਪ੍ਰਗਟਿਆ (ਭਾਈ ਗੁਰਦਾਸ ਜੀ) 11.ਤੁਰਨ ਦਾ ਹੁਨਰ (ਲੇਖ) 12.ਜਫ਼ਰਨਾਮਾ (ਇਕਾਂਗੀ ਦਫ਼ਤਰੀ ਤੇ ਨਿੱਜੀ ਪੱਤਰ 15. ਅੰਗ-ਸੰਗ (ਕਹਾਣੀ) ,ਅਗੇਤਰ-ਪਿਛੇਤਰ	ਨਾਟਕੀ ਰੂਪਾਂਤਰਣ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋਣਗੇ । ਸਰੀਰਕ ਤੰਦਰੁਸਤੀ ਅਤੇ ਧਿਆਨ ਵੱਲ ਪਰੇਰਤ ਹੋਣਗੇ ।	**ਟਿਕਾਊ ਟੀਚੇ :ਗੁਣਾਤਮਕ ਸਿੱਖਿਆ**
VI	ਅਕਤੂਬਰ	21	**ਪ੍ਰੀ ਬੋਰਡ ਪਰੀਖਿਆ 1**		
VII	ਨਵੰਬਰ	20	**ਦੁਹਰਾਈ**		
VIII	ਦਸੰਬਰ	21	**ਪ੍ਰੀ ਬੋਰਡ ਪਰੀਖਿਆ 1**		
IX	ਜਨਵਰੀ	24	**ਪ੍ਰੀ ਬੋਰਡ ਪਰੀਖਿਆ 3**		

X	ਫ਼ਰਵਰੀ	23	ਸ਼ਲਾਨਾ ਪਰੀਖਿਆ

Subject- Maths, Grade- X			**Book: N.C.E.R.T MATHS**		
Module	**Months**	**No. of Days**	**Chapters and Topics to be Taught**	**Learning Objectives**	**Activity Planned / Integration of Art/SDGs**
I	**April**	18	Ch-1 Real Numbers Ch-2 Polynomials Ch-3 Pair of Linear Equations in Two Variables.	❖ Understand HCF, LCM and the Fundamental Theorem of Arithmetic. ❖ Solve problems using zeroes of polynomials. ❖ Represent linear equations graphically and algebraically.	-Draw factor tree - Polynomial sketch challenge. -Graphical plotting using graph paper.
II	**May**	25	Ch-4 Quadratic Equations Ch-5 Arithmetic Progression Ch- 7 Coordinate Geometry	❖ Solve quadratic equations using factorization and formula methods. ❖ Understand the nth term and sum of n terms in an AP. ❖ Use distance, section and midpoint formulas in coordinate plane	- Real-life word problems. - AP race challenge with scoring system. -Map plotting of locations using coordinates
Periodic Test -I (Based on the Syllabus covered in April)					
June- Summer Break					
III	**July**	26	Ch-8 Introduction to Trigonometry Ch-9 Applications of Trigonometry	❖ Define trigonometric ratios and solve triangles. ❖ Apply trigonometry in solving height and distance problems.	-Shadow length estimation outdoors. -To measure the height of a building or tree by using trigonometric ratios.
IV	**August**	23	Ch-13 Statistics Ch-10 Circles Ch-14 Probability	❖ Represent data graphically using mean, mode, median. ❖ Understand the concept of tangents and number of tangents from a point to a circle ❖ Understand and calculate probability in simple experiments	-Group bar graphs with survey data. -Tangent drawing with compass and scale. -Dice and coin games for probability.

V	**September**	25	Ch-11 Areas Related to Circles Ch-12 Surface Areas & Volumes Ch-6 Triangles	❖ Calculate area of sectors and segments. ❖ Find surface area & volumes of combination of solids ❖ Understand the concept of similarity in triangles, apply the basic proportionality theorem and apply similarity rules.	-Circle art for area calculation. -Constructing models of various 3D shapes (like cubes, cuboids, cylinders and cones) and then calculating their surface areas and volumes of combination of two solids
VI	**October**	21	**PREBOARD 1 EXAMS**		
VII	**November**	20	**REVISION**		
VIII	**December**	21	**PREBOARD 2 EXAMS**		
IX	**January**	24	**PREBOARD 3 EXAMS**		
X	**February**	23	**FINAL EXAM**		

Subject- Science, Grade- X				**Book: N.C.E.R.T. Science**	
Module	**Months**	**No. of Days**	**Chapters and Topics to be Taught**	**Learning Objectives**	**Activity Planned / Experiments/ Integration of Art/SDGs**
I	**April**	18	**BIOLOGY** Chapter-5 Life Processes (up to Respiration) **PHYSICS** Chapter – 9 Light reflection and refraction (up to mirror formula	**BIOLOGY** 1. Explain the Life processes S.a.: Nutrition, Respiration, Transportation and Excretion in plants and animals. 2. Explain the Process of photosynthesis in plants. 3. Describe the process of digestion in humans, including the role of digestive enzymes. 4. Learn about the circulatory system in humans, including the heart, blood vessels, and blood circulation. 5. Understand how excretion helps in maintaining homeostasis in organisms. **PHYSICS** **1.** Differentiates real and virtual images **2.** Plans and conducts investigations and experiments to arrive at and verify the facts, principles, phenomena, or to seek answers to queries on their own, such as verifies	**BIOLOGY** • To demonstrate that light, chlorophyll and carbon dioxide is essential for photosynthesis. • sketching of well labelled diagrams. • **SDG 3: Good Health and Well-being.** • **SDG 6: Clean Water and Sanitation** **PHYSICS:** • Image formation with the help of spherical mirrors • To find the focal length of

			and linear magnification) **CHEMISTRY** Chapter-1 Chemical Reaction and Equations	laws of reflection of light **3.** Draws labelled diagrams, such as ray diagrams. **CHEMISTRY** **1.** Classify the given examples into type of chemical reaction i.e. combination, decomposition, displacement and double displacement. **2.** By using law of conservation of mass, balance the chemical equations. **3.** Identify the examples of oxidation and reduction reactions in daily life. **4.** Recognize role of chemical reactions in biological processes, industries and environment.	concave mirror. **CHEMISTRY** • To demonstrate i. Displacement reaction between Fe and $CuSO_4$ ii. Double Displacement reaction between Na_2SO_4 and $BaCl_2$ to the students in the **Chemistry laboratory.**
II	**May**	25	**BIOLOGY** Chapter-5 Life Processes (after Respiration) Chapter-13 Our Environment **PHYSICS** Chapter – 9 Light reflection and refraction (after mirror formula and linear magnification)	**BIOLOGY** 1. Learn about the circulatory system in humans, including the heart, blood vessels, and blood circulation. 2. Understand how excretion helps in maintaining homeostasis in organisms. 3. Understand the Concept of an Ecosystem and its the components: biotic and abiotic. 4. Understand energy flow in ecosystems through food chains and food webs. 5. Understand the concept of biological magnification. 6. Understand the human impact on ecosystems and biodiversity (ozone depletion, global warming, etc.) 7. Importance of sustainable practices and waste management for environmental conservation. **PHYSICS** 1. Plans and conducts investigations and experiments to arrive at and verify the facts, principles, phenomena, or to seek answers to queries on their own, such as verifies laws of refraction of light. 2. Draws labelled diagrams, such as ray diagrams calculates using the data given, such as power of a lens uses scientific conventions to represent units of various	**BIOLOGY** • Study of human Heart by 3D model. • Sketching of well labelled diagrams. • Case studies to demonstrate the flow of energy through an ecosystem. • **SDG 13: Climate Action.** • **Clean Water and Sanitation.** **PHYSICS** • Image formation by use convex and concave lens • To find the focal length of convex lens • Refraction of light through glass slab **CHEMISTRY**

			CHEMISTRY Chapter-2 Acid, Bases and Salt (up to pH)	quantities, symbols, formulae, and equations, such as, sign convention in optics **CHEMISTRY** 1. Identify properties of acids and bases 2. Study the effect of dilution on the concentration of acid and bases. 3. Understand the pH scale and how it indicates the strength of acids and bases	• To determine the pH of different solutions with the help of pH paper. • To check the pH of soils collected from different places.
Periodic Test -I (Based on the Syllabus covered in April)					
June- Summer Break					
III	**July**	26	**BIOLOGY** Chapter-6 Control and Co-ordination **PHYSICS** Chapter – 10 Human eye and colourful world **CHEMISTRY** Chapter-2	**BIOLOGY** 1. Understand the structure of neuron and label its parts. 2. Know the importance of reflex actions and its reflex arc. 3. Understand the structure and function of brain in controlling different activities of human body. 4. Understand Chemical coordination in plants. 5. Define and differentiate b/w nastic and tropic movements in plants. 6. Explain the role of phytohormones in controlling one or the other aspect of growth of plant. 7. Get the knowledge of human endocrine glands and their hormonal secretions. **PHYSICS** 1. Explain defects of vision- their cause and correctness. 2. Explain the accommodation, far point, near point and power of accommodation 3. Relates processes and phenomena with causes and effects, such as, blue colour of sky with scattering of light. 4. Explains processes and phenomena, such as, twinkling of stars, advanced sunrise and delayed sunset, formation of rainbow. **CHEMISTRY** 1. Recognize acid and bases using indicators	**BIOLOGY** Structure of neuron by model • Study of human brain by 3D model. • **SDG 3: Good Health and Well-Being** • **SDG 4: Quality Education** **PHYSICS** • Diagram of human eye • Refraction of light through glass prism **CHEMISTRY** • To demonstrate the Reaction of Acid and Bases with i. Red and Blue Litmus Paper ii. Na_2CO_3

			Acid, Bases and Salt (after pH)	2. Understand the chemical name, chemical formula, preparation and uses of baking powder, bleaching powder, washing soda and plaster of pairs 3. Identify the role of acids and bases in different industries	iii. Zn Metal in the **Chemistry lab**
IV	**August**	23	**BIOLOGY** Chapter-7 How do Organisms Reproduce **PHYSICS** Chapter - 11 Electricity (upto factors affecting resistance and resistivity) **CHEMISTRY** Chapter-3 Metals and Non-Metals	**BIOLOGY** 1. Explain the significance of reproduction for the continuation of species. 2. Explain various modes of asexual reproduction (binary fission, budding, spore formation, vegetative propagation). 3. Describe the process of sexual reproduction in plants (flower structure, pollination, fertilization). 4. Understand the concept of male and female reproductive systems. 5. Understand the concept of reproductive health and the importance of family planning. 6. Discuss the role of contraception in responsible reproduction. 7. Learn about sexually transmitted diseases (STDs) and their prevention. **PHYSICS** 1. Plans and conducts investigations and experiments to arrive at and verify the facts, principles, phenomena, or to seek answers to queries on their own, such as verifies Ohm's law analyses and interprets data, graphs, and figures, such as V-I graphs **CHEMISTRY** 1. Differentiate between metals and non-metals 2. Understand the physical and chemical properties of metals and non-metals 3. Know the concept of reactivity series 4. Learn the formation of ionic compounds by the transfer of electrons 5. Study the process of extraction of metals	**BIOLOGY** • Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides/ animated videos. • Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean). • Observation of Reproduction in Plants (Germination of Seeds) • **SDG 3: Good Health and Well-Being** • **SDG 5: Gender Equality** **PHYSICS** • Verification of Ohm's law. **CHEMISTRY** • To demonstrate the reaction of aluminum, iron, copper and zinc with their salt solutions and then

					arrange these metals in the decreasing order of their reactivity • To locate the places in the map of India where Aluminum is present and extracted in India
V	**September**	25	**BIOLOGY** Chapter-8 Heredity **PHYSICS** Chapter - 11 Electricity (after factors affecting resistance and resistivity) Chapter - 12 Magnetic effects of current **CHEMISTRY** Chapter-4	**BIOLOGY** 1. Explain the importance of heredity in the continuity of traits in organisms. 2. Describe Gregor Mendel's experiments on pea plants. 3. Explain Mendel's First Law (Law of Dominance) and Second Law (Law of Segregation). 4. Learn to use the Punnett Square to predict the probability of offspring inheriting certain traits based on the genotypes of the parents. 5. Understand how some traits are inherited and some are acquired. 6. Explain the role of sex chromosomes (XX and XY) in determining the sex of offspring. **PHYSICS** **1.** Calculates using the data given, such as, resistance of a system of resistors electric power **2.** uses scientific conventions to represent units of various quantities, symbols, formulae, and equations, such as, si units **3.** Handles tools and laboratory apparatus properly; measures physical quantities using appropriate apparatus, instruments, and devices, such as, electric current and potential difference using ammeter and voltmeter **4.** Relates processes and phenomena with causes and effects, such as, deflection of compass needle due to magnetic effect of electric current **5.** Draws labelled diagrams, such as magnetic field lines. **CHEMISTRY**	**BIOLOGY** • Case Studies: To demonstrate the use of a Punnett Square in predicting genetic outcomes. • **SDG 3: Good Health and Well-Being** • **SDG 10: Reduced Inequality** **PHYSICS** • Resistances of different wires with different length and different area • Resistances in series and parallel • Bending of wire using horseshoe magnet **CHEMISTRY**

			Carbon and its compounds	1. Differentiate between saturated and unsaturated hydrocarbons 2. Recognize functional groups Know IUPAC nomenclature of organic compound 3. Understand the concept of isomerism and homologous series 4. Study chemical reactions of carbon compounds 5. Learn the properties and uses of ethanol and ethanoic acid 6. Know the concept of cleaning action of soaps and detergents	• To demonstrate two Physical and two chemical properties of Acetic Acid.
VI	**October**	21	**PREBOARD 1 EXAMS**		
VII	**November**	20	**REVISION**		
VIII	**December**	21	**PREBOARD 2 EXAMS**		
IX	**January**	24	**PREBOARD 3 EXAMS**		
X	**February**	23	**FINAL EXAMS**		

Subject- Social Science, Grade- X **Books:** Democratic Politics -II, Contemporary India-II, India and contemporary World-II, Understanding Economic development (Economics)

Module	Months	No. of Days	Chapters and Topics to be Taught	Learning Objectives	Activity Planned / Integration of Art/SDGs
I	April	18	Lesson-1 (Geo) Resource and development	➢Enumerates how the resources are interdependent, justify how planning is essential in judicious utilization of resources and the need to develop them in India. ➢ Infer the rationale for development of resources. ➢ Analyse and evaluate data and information related to non-optimal land, utilization in India s	Highlight the different types of Soils on the Political map of India.
			Lesson-1 (Eco) Development	➢Enumerate and examine the different processes involved in setting developmental Goals.	SDG (Decent work and Economic Growth) Poster making-" What true development looks like"

				➢ Analyse and infer how the per capita income depicts the economic condition of the nation.17 ➢ Evaluate the development goals with reference to their efficacy, implementable strategies, relevance to current requirements of the nation.	
			Lesson1(Civics) Power sharing	➢ Enumerate the need for power sharing in democracy. ➢ Analyse the challenges faced by countries like Belgium and Sri Lanka ensuring effective power sharing. ➢ Compare and contrast the power sharing of India with Sri Lanka and Belgium.	Flash Cards- Comparison between Belgium and Sri Lanka
			Lesson-1(Hist) Nationalism in Europe	➢Infer how French Revolution had an impact on the European countries in the making of a nation state. ➢ Comprehend the nature of the diverse social movements of the time. ➢ Analyse and infer the evolution of the idea of nationalism which led to the formation of nation states in Europe and elsewhere.	Time line relay - Nationalism Edition In teams students arrange key events chronologically using flash cards. SDG 4.6 (Develop sequencing, analysis and contextual understanding)
II	May	25	Lesson-2(Civics) Federalism	➢ Infer how federalism is being practised in India. ➢ Analyse the policies and politics that has strengthened federalism in practice.	Political Map Analysis- Spot the Federal countries On world map: Identify and colour federal countries.
			Lesson-4 (Geo) Agriculture	➢ Examine the crucial role played by agriculture in our economy and society.	Map activity- Major areas of Rice and Wheat

				➢ Analyse the challenges faced by the farming community in India. ➢ Identifies various aspects of agriculture, including crop production, types of farming etc.	Largest/Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute
			Lesson-2 (Hist) Nationalism in India	➢ Illustrate various facets of Nationalistic movements that ushered in the sense of Collective Belonging. ➢ Evaluate the effectiveness of the strategies applied by Gandhiji and other leaders in the movements organised by him. ➢ Summarise the effects of the First World War that triggered the two defining movements (Khilafat &Non-Cooperation Movement) in India	Map Activity- I. Congress sessions: 1920 Calcutta 1920 Nagpur 1927 Madras session II. 3 Satyagraha movements: Kheda,Champaran, Ahmedabad mill workers III. Jallianwala Bagh IV. Dandi March
Periodic Test -I (Based on the Syllabus covered in April)					
June- Summer Break					
III	**July**	26	Lesson-2 (Geo) Forest and wildlife resources	➢ Examine the importance of conserving forests and wildlife and their inter-dependency in maintaining the ecology for the sustainable development of India. ➢ Analyse the role of grazing and wood cutting in the development and degradation ➢ Summarise the reasons for conservation of biodiversity under sustainable development.	SDG (15 Life on land) Activity- Be a Tiger guardian Students may add a pledge well(My promise),Locate Tiger reserves, present a report.
			Lesson-5(Geo) Minerals and energy resources	➢ Differentiates between the conventional and non-conventional sources of energy. ➢ Analyses the importance of minerals and natural resources for economic development of the country.	Map Avtivity- Iron Ore Mines- Mayurbhanj ,Durg,Bailadila Bellary, Kudremukh CoalMines-

				➢ Suggests strategies for sustainable use of natural resources	Raniganj,Bokaro,Talcher Neyveli Oil Fields Digboi,Naharkatia,Mumbai High,Bassien,Kalol,Ankaleshwar
			Lesson-4 (Hist) Making of Global world (only topic 1 to 1.3)	➢ Summarise the changes that transformed the world in different areas. ➢ Depict the global interconnection from the Pre-modern to the present day. ➢ Enumerate the destructive impact of colonialism on the livelihoods of colonised people	Global trade route mapping Studetns mark ancient trade routes on world map- Silk route,Spices route, Transatlantic slave trade
			Lesson-2 (Eco) Sectors of Indian Economy	➢Analyse and infer how the economic activities in different sectors contribute to the overall growth and development of the Indian economy. ➢ Propose solutions to identified problems in different sectors based on their understanding. ➢ Summarise how the organised and unorganised sectors are providing employment.	Sector Sorting Game- Students prepare cards with varies jobs and arrange them as per the different sectors. SDG 9- Industry, innovation and Infrastructure.
IV	**August**	23	Lesson-6 (Geo) Manufacturing Industries	➢ Enumerate the impact of manufacturing industries on the environment and develop strategies for sustainable development of the manufacturing sector. ➢ Differentiate between various types of manufacturing industries based on their input materials, processes, and end products, and analyse their significance in the Indian economy. ➢ Analyse the relation between the availability of raw material and location of the industry.	Map activity- Cotton textile Industries- Mumbai,Indore,Surat, Kanpur,Coimbatore Iron and Steel Plants: Durgapur, Bokaro, Bhilai, Jamshedpur, Vijayanagar,Salem Software technology Parks:Noida, Gandhinagar Mumbai Pune,Hyderabad, Bengaluru, Chennai, Thiruvananthapuram

			Lesson-5(Civics) Gender religion caste	➢ Examine the role and differences of Gender, religion and Caste in practicing Democracy. ➢ Analyze the different expressions based on the differences, are healthy or not in a democracy	Real life Heroes- Equality champion Prepare a bio sketch on individuals who worked for equality- In the field Gender, Caste and Religion
			Lesson-3 (Eco) Money and Credit	➢ Enumerate how money plays as a medium exchange in all transactions of goods and services from ancient times to the present times. ➢ analyze and infer various sources of Credit. ➢ Summarize the significance and role of self-help groups in the betterment of the economic condition of rural people/ women.	Debate- Informal Credit-Necessary Evil or Exploitation?
			Lesson-3 water resources	➢ Examine the reasons for conservation of water resource in India. ➢ analyze and infer how the multipurpose projects are supporting the requirement of water.	Locating and Labeling: Salal,Sardar Sarovar,Bhakra Nangal, Hirakund,Tehri,Nagarjun Sagar,Rana Pratap Sagar, Tungabhadra
V	**September**	25	Lesson-4(Eco) Globalization and Indian Economy (only definition and Factors)	➢ Enumerate the concept of globalization and its definition, evolution, and impact on the global economy. ➢ Evaluate the key role of the key major drivers of globalization and their role in shaping the global economic landscape in various countries.	Collage activity- "Globalization in my Life"
			Lesson-7 (History) Print culture and media Lesson-6 (civics) Political Parties	➢ Enumerate the development of Print from its beginnings in East Asia to its expansion in Europe and India. ➢ Compare and contrast the old tradition of handwritten manuscripts versus print technology. ➢ Summarise the role of Print revolution and its impact.	Exhibition: Evolution of Print in India- Visual panel/presentation board on vernacular press, nationalist journals, print and women, print and reform.

			Lesson-7 Outcomes of Democracy	➢ Understand the process of parties getting elected. ➢ Know the significance of the right to vote and exercise the duties as citizens of a nation. ➢ Examine the role, purpose and no. of Political Parties in Democracy	Political Party stimulation activity- Students create their own mock political parties with manifesto, symbol, slogan and ideology, then campaign and vote in the class room election.
				➢ Enumerates how the success of democracy depends on quality of government, economic well- being, inequality, social differences, conflict, freedom and dignity.	Panel Discussion- Topic: Is democracy the best form of government? SDG-Peace, Justice and Strong institutions.
VI	**October**	21	**PREBOARD 1 EXAMS**		
VII	**November**	20	**REVISION**		
VIII	**December**	21	**PREBOARD 2 EXAMS**		
IX	**January**	24	**PREBOARD 3 EXAMS**		
X	**February**	23	**FINAL EXAMS**		