

ANNUAL CURRICULUM PLAN (2021-22)

CLASS: X

TEACHER: Ms Vidya Esther

SUBJECT: English

Month	No. of Periods	Lesson No	Title of the Lesson	Teaching Methods	Activities	Learning Outcome
June	3	1	Prose *A letter to God	*Language based	Filling a post card	*The learner is able to read and interpret the text critically in different context.
		2	* Nelson Mandela: Long walk to freedom	*Information based	Speech : Racism	*The learner is able to gain knowledge on Mandela's struggles, sacrifices & his walk of freedom
June	3	3	Poetry *Dust of snow *Fire and Ice *A Tiger in the zoo Prose * Two stories about flying	*Traditional * Interactive	Reflections on oneself Discussion : Care for animals Short composition on your initial attempts of learning a skill	*The learner recites in group with appropriate stress, *intonation & expression. *Is able to comprehend the central theme of the poem. a) The learner is able to focus on the feelings and emotions of the seagull & his mother & describe his efforts to fly. b) The learner is able to think critically and interpret the mystery behind the story.
July	2	1-	Supplementary *A triumph of surgery	*Interactive	Discussion : How to take care of one's pet	*The learner comprehends the central idea of the text that prevention is better than cure.
July	2		Poetry		Diary entry of losing	The learner:

			* The Ball Poem	❖ Traditional	something which was very dear to you.	* recites in group with appropriate stress, intonation & expression.
July	3	4-	Prose: *From the diary of Anne Frank	❖ Information based	Writing : Diary entry of a week	The learner: *Talks on key contemporary issues like social justice, environment, gender, etc. in speech and writing in order to demonstrate awareness and empathy for key issues, research skills and ability to reason.
July	2	2-	Supplementary *The thief's Story	❖ Moral – philosophical approach/ Activity based	Role play	*comprehends the theme, develop reading skills, enrich vocabulary and express their ideas orally and in writing.
Periodic Test 1 – 19.07.2021 to 26.07.2021						
August	3	5-	Prose *The hundred dresses – 1 *The hundred dresses – 2	❖ Language based /CLT ❖ Traditional	Role play Discussion on peer pressure and discrimination	The learner: * comprehends the theme, apply their knowledge and analyse characters based on the situation. * deduces that mutual love and respect for each other is a must.
August	2	5-	Supplementary *Footprints without feet	❖ Interactive	List out some of the things you would like to do, if you were invisible.	*Develop and integrate the use of four language skills, Enrich vocabulary and develop critical thinking skills.
September	2	6-	Poetry	❖ Moral – philosophical approach/ Activity	List out any 3 things that animals don't do	*comprehend the theme, analyse, identify different

			* Animals	based	but humans do.	literary devices and rhyme scheme of the poem.
Periodic Test 2 - 20/09/2021 to 30/09/2021 Mid Term Break Term – I - Preparatory Exam 22-10-2021 to 04-11-2021						
Term-2						
November	2	7-	Prose * Glimpses of India	❖ Information based approach/ PPT	Presentation on the 3 states – ASSAM, GOA and COORG	*gains knowledge about the culture, tradition and significance of the states of Assam, Goa & Coorg.
November	2	9-	Prose * Madam rides the bus	❖ Language based approach	Narrate your first experience of travelling alone	The learner- *extrapolates from the given text and sensitizes them to the individual's feelings.
November	1	9-	Poetry *The Tale of custard the Dragon	❖ Traditional approach	Comic strip	* identifies the unconventional humour, comprehends the theme and recites the poem with intonation, stress and expression.
	1		Poetry * Amanda!	❖ Moral – philosophical approach	Debate : Challenges faced by adolescents	
December	3	10-	Prose * The Sermon at Benares	❖ Language based approach	Description of an event - Paragraph writing	The learner- * interprets and appreciates the use of expressions in the text and develops a spiritual outlook.
		11-	The Proposal	❖ Activity based ❖ Inquiry based	Role Play	* demonstrates ability to discuss elements of drama as a form of literature. * Listens for information, gist and details and responds to questions accordingly, in

						order to demonstrate comprehension and ability to infer.
January	2	6 – 7-	Supplementary *The making of a scientist *The necklace	❖ Discussion method ❖ Inquiry based	List out some of the scientists and their inventions. Speaking : Being content with what we have	* develops scientific temper. * Reads, comprehends, and responds to complex texts independently in order to demonstrate transition from learning to read to reading to learn.
Periodic Test – 3: 10.01.2022 to 18.01.2022						
January	6	8- 9-	Supplementary *The Hack driver *Bholi	❖ Discussion method ❖ Moral- philosophical approach	Dialogue writing Speech : Importance of education	The learner * comprehends the text , infers the contextual meaning and enhance their vocabulary. * sensitises themselves towards education.
February – Revision						
Annual Examination						

Lessons reduced for the year 2021-22: (As per CBSE Circular)

<u>First Flight</u>	<u>Footprints Without Feet</u>
<ol style="list-style-type: none">1. Mijbil the Otter2. How to tell Wild Animals (Poem)3. The Trees (Poem)4. Fog (Poem)5. For Anne Gregory (Poem)	<ol style="list-style-type: none">1. The Midnight Visitor2. A Question of Trust3. The Book That Saved the Earth

Revised Annual Syllabus Plan 2021-22

CLASS: X

TEACHER: Ms Preethan Pereira

SUBJECT: Hindi 'B'

Term-1

मास	अवधि	पाठ संख्या	पाठ का शीर्षक	शिक्षण विधियाँ	गतिविधियाँ	सीखने के संभावित प्रतिफल
जून	2	पद्य:1	साखी	<ul style="list-style-type: none"> * बातचीत तथा विश्लेषण करना। * प्रयोग की जानेवाली भाषा की बारीकियों पर चर्चा करना। * मौखिक अभिव्यक्ति का मौका देना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाइट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * कवि कबीर जी के अन्य रचनाएँ पढ़ना और काव्यशैली का अवलोकन करना। * अपने अनुभवों को अपनी शैली में लिखना। 	<ul style="list-style-type: none"> * छात्र कविता को समझेंगे। * नए शब्दों का अर्थ जानेंगे। * कविता की लय-तान-ध्वनि पर ध्यान देंगे। * दोहे के लक्षणों को जानेंगे।
जून	2	पद्य:2	पद	<ul style="list-style-type: none"> * कविता का सस्वर वाचन। * काव्य रचना को पढ़ना और विचार अभिव्यक्त करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाइट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * भक्तिकालीन अन्य काव्य रचनाओं पढ़ना। * कृष्ण भक्ति संबंधी अन्य रचनाओं को पढ़ना। 	<ul style="list-style-type: none"> * मीरा की भाषा से परिचित होकर, नए शब्दों का अर्थ जानेंगे। * मीरा का जीवन और कृष्ण-भक्ति से परिचित होंगे। * कविता की भावाभिव्यक्ति से परिचित होंगे।
जुलाई	3	गद्य:3	ततार्रा – वामीरो कथा	<ul style="list-style-type: none"> * विविध चित्रों के द्वारा कहानी-स्थान की जानकारी। * कहानी का वाचन और अभिव्यक्ति। * विचार-बोध प्रश्नों का प्रयोग करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाइट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * अपने परिवेश में मौजूद लोककथाओं को सुनना और सुनाना। * लघु कथा लिखना। 	<ul style="list-style-type: none"> * लोककथाओं के महत्त्व को जानेंगे। * समाज में फैली रूढ़ियों से अवगत होंगे। * समाज में मिसाल बनकर, बलिदान देनेवालों को याद करेंगे उनके योगदान से परिचित होंगे।

जुलाई	3	पद्य:4	मनुष्यता	<ul style="list-style-type: none"> * कविता वाचन और भाव समझना। * मनुष्यता विषय पर विचारों की अभिव्यक्ति। * बातचीत तथा विश्लेषण करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * कविता को विस्तृत सामाजिक संदर्भों में समझने का प्रयास करना। * ICA पर उपलब्ध संबंधित कवि की अन्य कविताओं को जानने-समझने का प्रयास करना। * कविता लेखन 	<ul style="list-style-type: none"> * मनुष्यता के लक्षणों से परिचित होंगे। * मानवीय मूल्यों पर प्रकाश डालनेवाली विषयों पर समूह-चर्चा करेंगे। * प्रस्तुत कोविड-१९ के अवस्था में मनुष्यता के गुणों को अपनाने की ज़रूरत को समझेंगे।
19-07-2021 to 26-07-2021 Periodic Test-1						
अगस्त	2	पद्य:5	पर्वत प्रदेश में पावस	<ul style="list-style-type: none"> * किसी पर्वतीय प्रदेश संबंधी पवर-पॉइंट प्रेसेंटेशन दिखाना। * पर्वतीय अंचल के प्रकृति-सौंदर्य का वर्णन करना। * कविता का वाचन और अभिव्यक्ति। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * अपने निकट के पर्वतीय क्षेत्रों में आ रहे सकारात्मक अनुभवों को नोट करना। * किसी एक पर्वतीय क्षेत्र पर परियोजना कार्य करना। 	<ul style="list-style-type: none"> * कविता को समझकर, अर्थ ग्रहण करेंगे। * अपने परिवेश में होनेवाली पर्वतीय क्षेत्रों का वर्णन अपनी शैली में करेंगे। * प्रकृति सौंदर्य को निहारना सीखेंगे।
अगस्त	4	गद्य:1	बड़े भाई साहब	<ul style="list-style-type: none"> * पाठ का सस्वर वाचन करना। * मुहावरों के प्रयोग समझना और उदाहरण देना। * उपन्यास सम्राट-प्रेमचंद और उनके रचनाओं के बारे में जानना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * प्रेमचंद जी के अन्य रचनाओं को पढ़ना। * दिए गए विषय पर स्व-रचित कहानी लिखना। 	<ul style="list-style-type: none"> * अपने परिवार/भाई-बहन की परिचय अपनी शैली में प्रस्तुत करना सीखेंगे। * मुहावरों को पहचानकर वाक्य में प्रयोग करना जानेंगे। * भाषिक अभिव्यक्ति और व्याकरण ज्ञान को बेहतर बनायेंगे।

अगस्त	4	पूरक पाठ:1	हरिहर काका	<ul style="list-style-type: none"> *जीवन से जोड़कर विषय को विश्लेषण करना। * कहानी पर आधारित सच्ची घटनाओं को सुनाना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * समाज में बुजुर्गों के स्थानमान, परिवार में उनकी स्थिति आदि विषय पर समूह-चर्चा करना। 	<ul style="list-style-type: none"> * स्वयं कहानी का वाचन करेंगे और विचार अभिव्यक्त करेंगे। * बुजुर्गों के प्रति सहानुभूति और स्नेह-भाव जाग्रत करेंगे। * बुजुर्गों के शोषण के खिलाफ आवाज़ उठावेंगे।
सितंबर	4	गद्य:6	अब कहाँ दूसरे के दुख से दुखी होनेवाले	<ul style="list-style-type: none"> * पाठ का सस्वर वाचन करना। * मानवीय मूल्यों पर प्रकाश डालते हुए पाठ का विश्लेषण करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * परिवार के बड़ों से, उनके बचपन की मानवीय मूल्यों से जुड़ी जानकारियों को संग्रह करना और कक्षा में सुनाना। 	<ul style="list-style-type: none"> * भाषिक अभिव्यक्ति और व्याकरण ज्ञान को बेहतर बनायेंगे। * समय के साथ भूले गए संस्कार, संवेदनशीलता को याद करेंगे।

Periodic Test-2: 20-09-2021 to 30-09-2021

Term 1 – Preparatory Examination: 22-10-2021 to 04-11-2021

TERM - II

अक्टूबर	4	पूरक पाठ:2	सपनों से वे दिन	<ul style="list-style-type: none"> * कहानी के सार का विश्लेषण करते हुए विचार-विनिमय करना। * पाठ में प्रयुक्त विभिन्न शब्द और मुहावरों को समझना और उनकी सराहना करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * कहानी के विषय-वस्तु पर समूह-चर्चा। * बचपन के यादगार घटना वर्णन करते हुए लेखन लिखना। 	<ul style="list-style-type: none"> * स्वयं कहानी का वाचन करेंगे और विचार अभिव्यक्त करेंगे। * बचपन के यादगार पलों को अपनी शैली में अभिव्यक्त करेंगे। * शिक्षण व्यवस्था में हुए बदलावों से अवगत होंगे।
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अक्तूबर	3	गद्य:7	पतझर में टूटी में पत्तियाँ: २. झेन की देन	<ul style="list-style-type: none"> *जीवन से जोड़कर विषय को विश्लेषण करना। *जपानियों की जीवन-शैली की जानकारी देना। *नैतिक मूल्यों के प्रति प्रेरित करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * ICT पर उपलब्ध झेन की कहानियों को पढ़ना। * जपानियों संबंधी जानकारी इकट्ठा करना और लिखना। 	<ul style="list-style-type: none"> * झेन कहानियों को कक्षा में सुनायेंगे। * मनुष्य के स्वभाव एवं व्यवहार की जानकारी पायेंगे। * मानसिक संतुलता को संभालेंगे और एकाग्रता को बढ़ायेंगे।
नवंबर	4	गद्य:8	कारतूस	<ul style="list-style-type: none"> *एकांकी का सस्वर वाचन करना और नए शब्दों के अर्थ जानना। * स्वतंत्रता संग्राम के लिए लड़े वीरों की याद दिलाना। * देश के प्रति भक्ति और प्रेम जागृत करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * एकांकी को मंचस्थ करना। * एकांकी के विषय-वस्तु पर समूह-चर्चा। 	<ul style="list-style-type: none"> * कल्पनाशीलता को विकसित करने की गतिविधियों (अभिनय) का प्रयोग करेंगे। * अंग्रेज़ी शासनकाल की जानकारी हासिल करेंगे। * आज़ादी पूर्व भारत का हाल जानेंगे।
दिसंबर	4	पूरक पाठ:3	टोपी शुक्ला	<ul style="list-style-type: none"> * कहानी के सार का विश्लेषण करते हुए विचार-विनिमय करना। * जीवन से जोड़कर विषय को समझना। * वर्तमान शिक्षण पद्धति से वाकिफ़ होना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना। 	<ul style="list-style-type: none"> * मित्रता संबंधी संवाद लिखना। * बचपन के दोस्त की परिचय अपनी शैली में देना। 	<ul style="list-style-type: none"> * स्वयं कहानी का वाचन करेंगे और विचार अभिव्यक्त करेंगे। * स्वयं कहानी लिखने की योग्यता का विकास करेंगे। * जात भेद के भाव को मिटाने की सोच अपनायेंगे।
Term-I Examination						
दिसंबर	2	पद्य:8	कर चले हम फ़िदा	<ul style="list-style-type: none"> * कविता वाचन और भाव समझाना। * देशभक्ति जागृत करनेवाली पठन 	<ul style="list-style-type: none"> * देशभक्ति संबंधी कविता रचना। * देशभक्ति आधारित फ़िल्मी 	<ul style="list-style-type: none"> * कविता की भावाभिव्यक्ति से परिचित होंगे। * देशभक्ति जागृत करेंगे।

			सामग्री का प्रयोग करना। * सैनिकों के त्याग और बलिदान पर प्रकाश डालना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाइट पर उपलब्ध सामग्री का प्रयोग करना।	गीतों को सुनकर भाव समझना।	* देश के वीर सैनिकों के प्रति गौरव व्यक्त करेंगे। * सेना में भर्ती होने की इच्छा जाहिर करेंगे।
Periodic Test – 3: 10-01-2022 to 18-01-2022					
Term-II Examination					

Reduced Content in the Syllabus 2021-22

पाठ संख्या	हटा दिए गए पाठ का शीर्षक	हटा दिए जाने का कारण
पद्य-३	दोहे	सीबीएसई द्वारा हटा दिए गए हैं।
पद्य-६	मधुर – मधुर मेरे दीपक जल	सीबीएसई द्वारा हटा दिए गए हैं।
पद्य-७	तोप	सीबीएसई द्वारा हटा दिए गए हैं।
पद्य-९	आत्मन्याण	सीबीएसई द्वारा हटा दिए गए हैं।
गद्य-२	डायरी का एक पन्ना	सीबीएसई द्वारा हटा दिए गए हैं।
गद्य-४	तीसरी कसम के शिल्पकार शैलेंद्र	सीबीएसई द्वारा हटा दिए गए हैं।
गद्य-५	गिरगिट	सीबीएसई द्वारा हटा दिए गए हैं।
गद्य-७	पतझर में टूटी पत्तियाँ: १. गिन्नी का सोना	सीबीएसई द्वारा हटा दिए गए हैं।

Annual Syllabus Plan 2021-22

CLASS: X

TEACHER: Ms. Jisha V Thomas

SUBJECT: Mathematics

Month	No. of Periods	Lesson No	Title of the Lesson	Teaching Methods	Activities	Learning Outcome
June	8	1	Real Numbers	Discussion Method Problem Solving	Solving problems related to the concepts learned.	The learner, Recalls properties of numbers and relations among them and hence evolve and Fundamental Theorem of Arithmetic. Applies them to solve problems related to real life contexts. Identifies irrational numbers and nature of decimal expansion of rational numbers.
	8	2	Polynomials	Activity Based Discussion Method Problem Solving	Representing zeroes of a polynomial graphically.	Understands the geometrical meaning of zeroes of a polynomial. Identifies the 'zeroes' of quadratic polynomial, cubic polynomial and the relation between their zeroes.
July	8	3	Pair of Linear Equations in Two Variables	Activity Based Discussion Method Problem solving	Graphical interpretation of consistent and inconsistent equations.	Find the solutions of a pair of linear equations in two variables graphically and algebraically.
	6	7	Coordinate Geometry	Activity Based Discussion Method	Tracing a hidden figure by joining the coordinates to reinforce the	Derives and applies distance formula, section formula in the context of a coordinate plane.

				Problem Solving	knowledge on coordinate geometry.	
Periodic Test 1: 19.07.2021 – 26.01.2021						
August	6	8	Introduction to Trigonometry	Activity Based Discussion Method Problem Solving	Learning trigonometric ratios using fingers.	Acquaint the students with the concept of trigonometric ratios and identities with respect to a given acute angle (of a right triangle).
	10	6	Triangles	Activity Based Discussion and Demonstration Method Problem Solving	Make cut outs of similar triangles and interpret their properties.	Understand similar triangles and to identify them. Determine similarity of triangles using different criteria (AAA, SSS, SAS) and using them to solve problems. Apply BPT, Pythagoras Theorem and its converse to solve situational problems.
September	8	12	Areas Related to Circles	Discussion and Demonstration Method Problem Solving	Demonstrates sectors and segments of a circle through videos or ppt.	Find the area and perimeter of sector of a circle and segment of a circle. Find the area of combination of plane figures.
	4	15	Probability	Activity Based Discussion Method Problem Solving	To reinforce the concept of probability through an activity.	Learn about random experiments, sample space and events. Understand the concept of theoretical probability of different events.
	Periodic Test 2: 20.09.2021 – 30.09.2021					

October	Revision					
	Preparatory Exam: 22-10-2021 to 04-11-2021					
November	3	4	Quadratic Equations	Activity Based Discussion Method Problem Solving	Solving situational problems using quadratic method.	Solve the quadratic equation by different methods. Find the nature of roots of a quadratic equation using discriminant.
	3	5	Arithmetic Progression	Activity Based Discussion Method Problem Solving	Using bar graphs, check whether the given list of numbers are in AP or not.	Recognize the pattern of a given series Apply formula and calculate the nth term of an AP and sum of n terms of an AP. Develop strategies to apply the concept of AP to daily life situations.
	4	10	Circles	Activity Based Discussion and demonstration method. Problem Solving	To find the number of tangents from a given point to a circle.	Understanding the concept of tangents to a circle. Apply concept of tangents to solve problems.
	4	9	Some Applications of Trigonometry	Activity Based Discussion and Demonstration Method Problem Solving	Solving Application level Problems	Apply the concept of trigonometry in finding the height and distance.
Revision for Term - I						
December	Term – I Exam					

January	6	13	Surface Area and Volume	Activity Based Discussion and Demonstration Method Problem solving	Demonstrates the combination of solids/ conversion of solids from one form to another through videos or ppt.	Find surface area and volume of combination of solid figures in our surroundings. Understand the concept of conversion of solids from one form to other and apply it in real life problems.
	Periodic Test – 3: 10.01.2022 to 18.01.2022					
	6	14	Statistics	Activity Based Discussion Method Problem Solving	Collecting data on a specific topic and interpreting it using Mean, Median and Mode.	To organize and interpret the data (related to real life) using measures of central tendency-Mean, Median and Mode.
February	4	11	Constructions	Activity Based Discussion and Demonstration Method Problem Solving	Paper folding activity to show tangents drawn from an external point to the circle are of equal length.	Divide a line segment in the given ratio. Construct a pair of tangents to a circle and justify the procedures.
March	Revision					
	Term 2 Examination					

REDUCED CONTENT IN THE SYLLABUS 2020-21

Lesson No	Title of the Lesson	Reason for dropping the lesson/content.
1	Real Numbers *To solve problems using Euclid's Division Lemma. *Proofs of irrationality	As per CBSE Circular No.: Acad 51/2021, Dated: 05 July 2021
2	Polynomials *Solve simple problems on division algorithm for polynomials with real coefficients.	
3	Pair of linear equations in two variables *Solve linear equations using cross multiplication method.	
4	Quadratic Equation *Completing the Square Method. *Solve situational problems based on equations reducible to quadratic equations.	
5	Arithmetic Progression *Solve daily life problems based on sum to n terms.	
6	Triangles *Prove that the ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides. *Converse of Pythagoras Theorem	
7	Coordinate Geometry *Find area of a triangle in Cartesian plane.	

8	Introduction to Trigonometry *Solve problems involving ratios which are defined at 0° and 90° . *Trigonometric ratios of complementary angles.	
11	Constructions *Construct a triangle similar to a given triangle.	
12	Areas Related to Circles *Solve problems on central angle of 120° .	
13	Surface Areas and Volumes *Learn the concept of Frustum of a cone.	
14	Statistics *Understand Step Deviation Method for finding the mean. *Construct Cumulative Frequency graph	

ANNUAL CURRICULUM PLAN (2021-22)

CLASS: X

SUBJECT TEACHER: Ms Jevita T.J, Ms Deepa Karkada

SUBJECT: Science

MONTH	No. of periods	Lesson No.	Title of the chapter	Teaching methodology	Activities	Learning outcomes
TERM - 1						
June	8	10	Light - reflection and refraction (Physics)	*Discussion method *Power Point Presentation	*Activity - Image formation using lens and mirrors and write the observation.	The student: *Differentiates between the mirror formula and lens formula. *Identifies the different types of mirrors and lenses with their real life application.
June	8	1	Chemical reactions and equations – Balancing of reactions (Chemistry)	*Inductive method *Demonstration method *Laboratory method *Analytical method	*Poster making *Concept map	The student: *Identifies the chemical reactions that they see around them. *Understands the steps to balance the given chemical equations. *Differentiates the various types of chemical reactions.
June	8	6	Life Processes (Biology)	*Lecture method *Demonstration Method	*Role play on digestive system *Case study activity	The student: * Identifies the various organs involved in the

				*Inductive method *Role Play		digestive system. *Develops the sense of appreciating the nutrients obtained from nature.
July	8	10	Light - reflection and refraction - contd(Physics)	*Problem solving method *Laboratory method	*Experiment on refraction through glass slab. *Concept map	The student: *Relates the connection between power of the lens and focal length. *Develops the skills of drawing ray diagrams
July	8	2	Acid, Bases and Salts – Properties (Chemistry)	*Demonstration method *Experimentation method *Laboratory method *Discussion method	*Lab activity – To test if the given solution is an acid or a base. *To prepare natural indicators at home.	The student: *Differentiates the physical and chemical properties of acids and bases. *Relates the chemical reaction of acids and bases with other substances in nature. *Develops the scientific and reasoning skill.
July	8	6	Life Processes – Respiration (Biology)	*Lecture method *Demonstration Method *Inductive method *Role Play	*Role play on various life processes. *Case study activity	The student: * Understands the functions of various organs involved in the respiratory system. *Explains the process of glucose pathway.

Periodic Test 1 – 19.07.2021 to 26.07.2021

August	7	11	The Human eye and the colourful world (Physics)	<ul style="list-style-type: none"> *Problem solving method * Power Point Presentation *Experimental method 	<ul style="list-style-type: none"> *Concept map *Lab Activity - Experiment on refraction through prism 	<p>The student:</p> <ul style="list-style-type: none"> *Relates the angle of incidence, refraction and emergence. *Differentiates between scattering and dispersion.
August	6	2	Acid, Bases and Salts – Salts and its reactions - Contd(Chemistry)	<ul style="list-style-type: none"> *Analytical method *Experimentation method *Lab Activity *Audio/ visual method 	<ul style="list-style-type: none"> *Investigation project *Concept map on the properties of acids, bases and salts. 	<p>The student:</p> <ul style="list-style-type: none"> *Compares the properties of salts with other substances. *Analyzes the uses of different types of salts.
August	8	6	Life Processes – Circulatory system(Biology)	<ul style="list-style-type: none"> *Demonstration Method *Inductive method *Role Play 	<ul style="list-style-type: none"> *Case study activity 	<p>The student:</p> <ul style="list-style-type: none"> * classifies the various organs involved in the circulatory systems. *Differentiates between the components of blood vessels with its functions. *Draws the diagrams of human heart.
September	8	11	The Human eye and colourful world - Contd(Physics)	<ul style="list-style-type: none"> *Problem solving method *Analytical method 	<ul style="list-style-type: none"> *Crossword puzzle *Investigation project 	<p>The student:</p> <ul style="list-style-type: none"> *Identifies the process of dispersion in nature. *cites examples related to scattering and dispersion in the atmosphere

September	6	3	Metals and non-metals – Properties of metals and non-metals, reactivity series, formation of ionic compounds. (Chemistry)	*Demonstration method *Experimentation method *Flipped Classroom *Discussion method	*Concept map * Puzzle based activity	The Student: *Defines metals and non-metals. * Differentiates the properties of metals and non-metals. * Understands the reactions of metals and non-metals with other substances.
September	8	6	Life Processes – Excretion (Biology)	*Lecture method *Demonstration Method *Role Play	*Concept map	The student: * Identifies the various organs involved in the excretory systems. *Understands the functions of nephrons.
Periodic Test 2 – 20.09.2021 to 30.09.2021						
October	Revision					
TERM – 1 Preparatory Examination: 22-10-2021 to 04-11-2021						
TERM - 2						
November	6	8	How do organisms reproduce – Asexual and Sexual Reproduction	* Power Point Presentation *Discussion method *Concept mapping	*Lab Activity on germination *Concept mapping *Case study activity	The student: *Distinguishes between asexual and sexual method of reproduction. *Explains the process of

			(Biology)			<p>fertilization and pollination in plants.</p> <p>*Analyzes the various stages involved in the process of reproduction in humans.</p> <p>*Distinguishes between various contraceptive methods.</p> <p>*Develops the sense of awareness towards sexually transmitted diseases.</p>
November	6	12	Electricity (Physics)	<p>*Discussion method</p> <p>* Power Point Presentation</p> <p>*Inductive method</p>	<p>*Crossword puzzle</p> <p>*Verification of ohm's law – Problem solving activity</p>	<p>The student:</p> <p>*Differentiates between series and parallel connection.</p> <p>*States Ohm's law.</p> <p>*Develops problem solving skills using ohm's law</p>
November	8	4	Carbon and its compounds – Covalent bonding in carbon compounds, versatile nature of carbon, homologous series(Chemistry)	<p>* Power Point Presentation</p> <p>*Illustration method</p> <p>*Inductive method</p>	<p>* Concept map on the properties of Carbon compounds with examples.</p>	<p>The student:</p> <p>*Explains the properties of carbon and its compounds.</p> <p>*Analyzes the different structures of carbon compounds.</p> <p>*Understands covalent bonding.</p>

December	6	12	Electricity - Contd(Physics)	*Discussion method *Problem solving method	* Lab activity – Demonstrating few experiments on the given topics. *Quiz	The student: *Classifies advantages and disadvantages of earthing. *Understands the properties of electric current.
December	6	9	Heredity and Evolution (Biology)	*Lecture cum demonstration method *Inductive method *Discussion method	*Brain storming activity *Investigation project	The student: *Understands the law of inheritance. *Compares the role of dominant and recessive genes. *Explains the concept of evolution. *Describes the process involved in sex determination.
December	6	5	Periodic Classification of elements	*Demonstration method *Discussion method *Power Point presentation	*Concept Map *Quiz	The student: *Explains the theories given by various scientists on the classification of elements in the periodic table. *Recognizes each element under different categories.
January	8	13	Magnetic effect of electric current (Physics)	*Discussion method *Analytical method	*Problem solving Activity- To prove how electricity and magnetism are related to each other.	The student: *Describes the connection between electricity and magnetism *Relates the daily life examples and uses of solenoid.

January	8	15	Our Environment – Ecosystem and its components; various activities that affect the environment (Biology)	*Power Point Presentation *Discussion method *Flipped classroom	*Seminar *Concept map on food chain and various trophic levels.	The student: *Identifies different biotic and abiotic components. *Explains the food web, food chain and trophic levels. *Interprets the causes for ozone depletion. *Develops the attitude towards saving the Earth.
Periodic Test 3 – 10.01.2022 to 18.01.2022						
January	6	5	Periodic Classification of elements (Contd) – (Chemistry)	*Discussion method *Power Point presentation	*Role play	The student: *Identifies the position of each element in the periodic table. *Understands the elements and its properties.
January	6	16	Sustainable management of natural resources – Water, Wildlife and forest, Coal and petroleum	*Discussion method *Flipped Classroom method	*Investigation Project *Crossword puzzle	The Student: *Describes the methods involved in the management of natural resources. *Analyzes the importance of wildlife, forest, water, coal and petroleum. *Identifies the water conservation methods. *Develops a sense of

						attitude towards conservation of resources.
February	Revision					
March	Term - 2 Examination					

Lesson No.	Topic
3	Metals and non-metals – Occurrence of metals and corrosion
4	Carbon and its compounds – Chemical properties of carbon compounds; Soaps and Detergents
7	Control and co-ordination
11	The Human Eye and the Colourful World - Human Eye – Defects and correction
13	Magnetic effects of electric current – Electric Generator and domestic electric circuits
14	Sources of energy

Annual Curriculum Plan 2021-22

CLASS: X

TEACHERS: Ms Laurel Dsouza, Ms Sandhya Manoj

SUBJECT: Social Science

TERM-1						
Month	No. of Periods	Lesson No	Title of the Lesson	Teaching Methods	Activities	Learning Outcome
June	10	His-1	The Rise of Nationalism in Europe	Show visuals of events, use map to identify places	Find more about nationalist symbols	*Analyse the reasons for nationalist feelings in different countries
June	8	Geo-1	Resources and Development	Discussion and explanation on Resources. Audio -Video Presentation	• Flowcharts used to discuss about types of Resources and their examples. Map activity	*Identify different types of resources classifies types of resources *Identify causes of land degradation and their consequences.
June	6	SPL-1	Power Sharing	*PPT presentation	*Through an activity explaining the meaning and forms of power sharing. • Prepare a Flow Chart on different Organs of the Government.	*Explain sharing of power among the Legislature, the Executive and the Judiciary. *Demonstrates their skill by preparing illustrations on sharing of power.
June	1	GEO-2	Forest and Wildlife(Assessed	*PPT presentation	Group Discussion	*Understand the importance of biodiversity with regard to flora

			only for PT)			and fauna in India.
July	10	Eco- 1	Development	Audio visual presentation on developmental activities in our country and sustainable development	Discussion on different persons and different countries developmental goals	*Understand the rationale for overall development in our country, quality life and sustainable development.
July	8	SPL-2	Federalism	Discussion on Federal and Unitary Form of Government.	Locate places on the world map on countries having federal political system. Prepare a Chart giving items mentioned in the Union, State and in the Concurrent Lists	*Identify Federal Political Systems of the World *Compare and Contrast between Federal and Unitary Form of Government.
July	2	GEO-3	Water Resources (Assessed only for PT)	Video Presentation	Map Work	*Comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation.
Periodic Test-1: 19.07.2021 to 26.07.2021						
August	10	Geo-4	Agriculture	Students explain information about different crops using PPT.	* Locating and identifying major places of different crops growing in India	*Understand the importance of agriculture . * Classify various types of farming Distribution of major crops *Analyze govt. policies for institutional as well as

						technological reform.
August	8	Eco -2	Sectors of the Indian economy	Discussion on the importance of different sectors Collect the details media	Visit person from unorganized sector and share the information	*Enquiry in to the present GDP
August	4	SPL-7	Outcomes of Democracy	Discussion and ppt Presentation	Case study on different outcomes of democracy	*Evaluate the functioning of democracies * Examine the importance of citizen's participation in democracy
September	2	GEO-5	Minerals and Resources(Only for periodic Test)	Video Presentation	Map Work	*Identify different types of minerals and energy resources and places of their availability
Periodic Test-2: 20.09.2021 to 30.10.2021						
October/ November	6	SPL-6	Political Parties	Show video clipping of local election. Electing class leader by the same procedure.	Mock election in class with students divided into Parties.	* Analyze the importance of political parties in a democracy *Compare democratic government with that of dictatorship.
November/ December	TERM – 1 EXAMINATION					
TERM-2						

December	12	His- 2	Nationalism in India	Newspaper clippings, audio speech and video representation of Gandhi ideologies, events of freedom struggle	Map activity	*Appreciate the ideas promoting pan belongingness
December	8	GEO- 6	Manufacturing Industries	Audio-video presentation Discussion on local industries	Locating the places having major industries	*Assess the importance of industries in the national economy *Establish relationship between natural resources and types of industries
January	6	GEO- 7	Life Lines of National Economy	PPT presentation and explanation by students.	Map Activity	*Get sensitized about types of roads found in India. *Get familiarized about organisations who construct and maintain them. *Identify important roads of India. Appreciates the tourism industry of India.
Periodic Test-3: 10.01.2022 to 18.01.2022						
January	2	H-3	3) Making of global world world 4) The age of industrialization	Assessed for Periodic test		
February	8	Eco- 3	Money and credit	*Show visuals *Quizzing	Find out innovative ideas about Digital India	*Analyse the role of private and public financial institutions in day today life *Explore the resources including e

						–content on foreign trade
March	8	Eco -4	Globalisation and the Indian economy	Describe terms- Videos One minute talk	Debate on trade with neighbouring countries and the role of WTO	Debate on trade with neighbouring countries and the role of WTO
Revision						
TERM -2 Examination						

Deleted Portion

Democratic Politics-II(SPL)

Ch 3: Democracy and Diversity

Ch 4: Gender, Religion and Caste

Ch5: Popular Struggles and Movements

Ch8: Challenges to Democracy