

**ST. ALOYSIUS GONZAGA SCHOOL, MANGALURU**  
**ANNUAL SYLLABUS PLAN, 2023–24**

**CLASS: X**

**TEACHER: Ms Vidya Esther**

**SUBJECT: English**

Month	No. of Periods	Lesson No	Title of the Lesson	Teaching Methods	Activities	Learning Outcome
April	5	1.	A letter to God	Language based	Filling a post card	*The learner is able to read and interpret the text critically in different context.
April	5	Poem	Dust of snow Fire and Ice	* Traditional	* Reflections ononeself	*The learner recites in group with appropriate stress, intonation & expression. *Is able to comprehend the central theme of the poem.
April	5	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
April	2	Poem	A Tiger in the zoo	❖ Traditional	Discussion : Care for animals	*The learner recites in group with appropriate stress, intonation & expression. *Is able to comprehend the central theme of the poem
June	4	Sup - 1	*A triumph of surgery	❖ Interactive	Discussion: How to take care of one’s pet.	The learner is able to comprehend the central idea of the text that prevention is better than cure.
June	4	Sup - 2	*The thief’s Story	❖ Moral – philosophical approach/ Activity based	Role Play	* The learner is able to comprehend the theme, develop reading skills, enrich vocabulary and express their ideas orally and in writing.
<b>Periodic Test - 1</b>						
June	6	3.	Two stories about flying: I. His First Flight II. Black Aeroplane	❖ Language based	Short composition on your initial attempts of learning a skill	*The learners is able to focus on the feelings and emotions of the seagull & his mother & describe his efforts to fly. *The learners is able to think critically and interpret the mystery behind the story.
June	3	Poem	How to tell wild animal	❖ Traditional	Discussion on characteristics of animals	*The learner recites in group with appropriate stress, intonation & expression. *Is able to comprehend the central theme of the poem

July	3	Poem	The Ball Poem	❖ Traditional	Diary entry of losing something which was very dear to you.	* The learner will be able to comprehend the theme, develop reading skills, enrich vocabulary and express their ideas orally and in writing.
July	4	Sup - 3	The Midnight Visitor	❖ Interactive	Role play	* The learner develops the ability to think quickly, act calmly and wisely in a situation of danger or surprise.
July	5	4	From the Diary of Anne Frank	❖ Information based	Writing : Diary entry of a week	* The learner will develop interest in reading an autobiography and understand the feelings expressed in a diary.
July	3	Poem	Amanda	❖ Moral-philosophical approach/ interactive	Debate : Challenges faced by adolescents	* The learner will be able to comprehend the theme, reflect deeply and express freely their thoughts.
July	4	Sup – 4	A Question of Trust	❖ Interactive	Discussion	* The learner enjoys reading the story and stirs their thinking.
July/August	10	5	Glimpses of India	❖ Information based approach/ PPT	Presentation on the 3 states – ASSAM GOA and COORG	*The learners will be able to gain knowledge about the culture, tradition and significance of the states of Assam, Goa & Coorg.

### Periodic Test-2

August	5	Sup - 5	Footprints without Feet	❖ Interactive	List out some of the things you would like to do, if you were invisible.	* The learners develop and integrate the use of four language skills, Enrich vocabulary and develop critical thinking skills.
August	5	Sup - 6	The Making of a Scientist	❖ Inquiry based	List out some of the scientists and their inventions.	* The learner will be able to develop scientific temper
September	2	Poem	The Trees	❖ Traditional	Compare and contrast	* The learner will compare the natural forests to the artificial ones that man has created inside his house to suit the purpose.
September	5	6	Mijbil the Otter	❖ Interactive	Paragraph writing	*The learner will be able to comprehend the chapter and Empathize with animals.
September	2	Poem	Fog	❖ Traditional	Compose a Haiku of your own and share	*The learner will be able to appreciate poem and understand metaphor -know how natural occurrences could be beautifully expressed in verses.
September	5	Sup - 7	The Necklace	❖ Discussion method	Speaking : Being content with what we have	*The learner will be able to enjoy and appreciate the stories giving lessons of life.

September	5	7	Madam Rides the Bus	❖ Language based approach	Narrate your first experience of travelling alone	*The learner will be able to extrapolate from the given text and sensitize them to the individual's feelings.
September	5	Sup – 8	Bholi	❖ Moral-philosophical approach	Speech : Importance of education	*The learner will be able to sensitize themselves towards education.
October	3	Poem	The Tale of Custard the Dragon	❖ Traditional approach	Comic strip	* The learner will be able to catch the unconventional humour, comprehend the theme and recite the poem with intonation, stress and expression.

### Periodic Test-3

October	4	8	The Sermon at Benares	❖ Language based	Listening to a talk given by a preacher and reporting it.	*The learner will be able to have spiritual outlook , to extrapolate from the given text.
November	3	Poem	For Anne Gregory	❖ Traditional	Reflection: The love felt for someone's physical appearance is not pure and true.	*The learner will be able to comprehend the poem locally and globally and infer the contextual meaning of the text.
November	4	9	The Proposal	❖ Activity based	Role Play	* The learner will be able to catch the humour and develop dramatic skills.
November	5	Sup – 9	The Book That Saved The Earth			*The learner will be able to understand the plot and characters and sequence of incidents in the play.

### Preparatory Exam

# ANNUAL SYLLABUS PLAN, 2023–24

## CLASS: X

**TEACHERS:** Ms Preethan Pereira, Ms Vijayalaxmi

**SUBJECT:** Hindi 'B'

मास	अवधि	पाठ संख्या	पाठ का शीर्षक	शिक्षण विधियाँ	गतिविधियाँ	सीखने के संभावित प्रतिफल
अपैल	3	पद्य: 1	साखी	<ul style="list-style-type: none"> <li>* बातचीत तथा विश्लेषण करना।</li> <li>* प्रयोग की जानेवाली भाषा की बारीकियों पर चर्चा करना।</li> <li>* मौखिक अभिव्यक्ति का मौका देना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* कवि कबीर जी के अन्य रचनाएँ पढ़ना और काव्यशैली का अवलोकन करना।</li> <li>* अपने अनुभवों को अपनी शैली में लिखना।</li> </ul>	<ul style="list-style-type: none"> <li>* छात्र कविता को समझेंगे।</li> <li>* नए शब्दों का अर्थ जानेंगे।</li> <li>* कविता की लय-तान-ध्वनि पर ध्यान देंगे।</li> <li>* दोहे के लक्षणों को जानेंगे।</li> </ul>
अपैल	3	पद्य: 2	पद	<ul style="list-style-type: none"> <li>* कविता का सस्वर वाचन।</li> <li>* काव्य रचना को पढ़ना और विचार अभिव्यक्त करना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* भक्तिकालीन अन्य काव्य रचनाओं पढ़ना।</li> <li>* कृष्ण भक्ति संबंधी अन्य रचनाओं को पढ़ना।</li> </ul>	<ul style="list-style-type: none"> <li>* मीरा की भाषा से परिचित होकर, नए शब्दों का अर्थ जानेंगे।</li> <li>* मीरा का जीवन और कृष्ण-भक्ति से परिचित होंगे।</li> <li>* कविता की भावाभिव्यक्ति से परिचित होंगे।</li> </ul>
अपैल	6	गद्य: 1	बड़े भाई साहब	<ul style="list-style-type: none"> <li>* पाठ का सस्वर वाचन करना।</li> <li>* मुहावरों के प्रयोग समझना और उदाहरण देना।</li> <li>* उपन्यास सम्राट-प्रेमचंद और उनके रचनाओं के बारे में जानना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* प्रेमचंद जी के अन्य रचनाओं को पढ़ना।</li> <li>* दिए गए विषय पर स्व-रचित कहानी लिखना।</li> </ul>	<ul style="list-style-type: none"> <li>* अपने परिवार/भाई-बहन की परिचय अपनी शैली में प्रस्तुत करना सीखेंगे।</li> <li>* मुहावरों को पहचानकर वाक्य में प्रयोग करना जानेंगे।</li> <li>* भाषिक अभिव्यक्ति और व्याकरण ज्ञान को बेहतर बनायेंगे।</li> </ul>

जून	4	पूरक पाठ:1	हरिहर काका	<ul style="list-style-type: none"> <li>*जीवन से जोड़कर विषय को विश्लेषण करना।</li> <li>* कहानी पर आधारित सच्ची घटनाओं को सुनाना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* समाज में बुजुर्गों के स्थानमान, परिवार में उनकी स्थिति आदि विषय पर समूह-चर्चा करना।</li> </ul>	<ul style="list-style-type: none"> <li>* स्वयं कहानी का वाचन करेंगे और विचार अभिव्यक्त करेंगे।</li> <li>* बुजुर्गों के प्रति सहानुभूति और स्नेह-भाव जाग्रत करेंगे।</li> <li>*बुजुर्गों के शोषण के खिलाफ़ आवाज़ उठावेंगे।</li> </ul>
<b>प्रथम आवधिक परीक्षा – First Periodic Test (19/06/2023 to 26/06/2023)</b>						
जून	4	गद्य:3	डायरी का एक पन्ना	<ul style="list-style-type: none"> <li>* आज़ादी-पूर्व भारत की स्थितिगत से अवगत होना।</li> <li>* स्वतंत्रता संग्राम में शामिल वीरों के बलिदान को समझना।</li> <li>* विचार-बोध प्रश्नों का प्रयोग करना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* लेखन के विविध प्रकारों को जानना।</li> <li>* डायरी लेखन करना</li> </ul>	<ul style="list-style-type: none"> <li>* स्वतंत्रता संग्राम के वीरों को याद करना और उनसे संबंधित जानकारी हासिल करना।</li> <li>* समाज में मिसाल बनकर, बलिदान देनेवालों को याद करेंगे उनके योगदान से परिचित होंगे।</li> </ul>
जुलाई	3	पद्य:4	मनुष्यता	<ul style="list-style-type: none"> <li>* कविता वाचन और भाव समझना।</li> <li>* मनुष्यता विषय पर विचारों की अभिव्यक्ति।</li> <li>* बातचीत तथा विश्लेषण करना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* कविता को विस्तृत सामाजिक संदर्भों में समझने का प्रयास करना।</li> <li>* ICT पर उपलब्ध संबंधित कवि की अन्य कविताओं को जानने-समझने का प्रयास करना।</li> <li>* कविता लेखन</li> </ul>	<ul style="list-style-type: none"> <li>* मनुष्यता के लक्षणों से परिचित होंगे।</li> <li>* मानवीय मूल्यों पर प्रकाश डालनेवाली विषयों पर समूह-चर्चा करेंगे।</li> <li>* प्रस्तुत कोविड-१९ के अवस्था में मनुष्यता के गुणों को अपनाने की ज़रूरत को समझेंगे।</li> </ul>
जुलाई	3	गद्य:3	तताँरा – वामीरो कथा	<ul style="list-style-type: none"> <li>* विविध चित्रों के द्वारा कहानी-स्थान की जानकारी।</li> <li>* कहानी का वाचन और अभिव्यक्ति।</li> <li>* विचार-बोध प्रश्नों का प्रयोग करना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* अपने परिवेश में मौजूद लोककथाओं को सुनना और सुनाना।</li> <li>* लघु कथा लिखना।</li> </ul>	<ul style="list-style-type: none"> <li>* लोककथाओं के महत्व को जानेंगे।</li> <li>* समाज में फैली रूढ़ियों से अवगत होंगे।</li> <li>* समाज में मिसाल बनकर, बलिदान देनेवालों को याद करेंगे उनके योगदान से परिचित होंगे।</li> </ul>

जुलाई	5	गद्य:4	तीसरी कसम के शिल्पकार शैलेंद्र	<ul style="list-style-type: none"> <li>* फ़िल्मी दुनिया संबंधित जानकारी।</li> <li>* गीतकार कवि से फिल्म निर्माता तक का सफ़र जानना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* बॉलिवुड में बनी यादगार फिल्मों की चर्चा करना।</li> <li>* परदे के पीछे काम करनेवालों संबंधी जानकारी पाना।</li> </ul>	<ul style="list-style-type: none"> <li>* पाठ को समझकर अर्थ ग्रहण करना।</li> <li>* फिल्मों की बदलती दुनिया में पाए गए बदलावों पर ध्यान देना।</li> </ul>
अगस्त	2	पद्य:5	पर्वत प्रदेश में पावस	<ul style="list-style-type: none"> <li>* किसी पर्वतीय प्रदेश संबंधी पवर-पॉइंट प्रेसेंटेशन दिखाना।</li> <li>* पर्वतीय अंचल के प्रकृति-सौंदर्य का वर्णन करना।</li> <li>* कविता का वाचन और अभिव्यक्ति।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* अपने निकट के पर्वतीय क्षेत्रों में आ रहे सकारात्मक अनुभवों को नोट करना।</li> <li>* किसी एक पर्वतीय क्षेत्र पर परियोजना कार्य करना।</li> </ul>	<ul style="list-style-type: none"> <li>* कविता को समझकर, अर्थ ग्रहण करेंगे।</li> <li>* अपने परिवेश में होनेवाली पर्वतीय क्षेत्रों का वर्णन अपनी शैली में करेंगे।</li> <li>* प्रकृति सौंदर्य को निहारना सीखेंगे।</li> </ul>
अगस्त	4	गद्य:6	अब कहाँ दूसरे के दुख से दुखी होनेवाले	<ul style="list-style-type: none"> <li>* पाठ का सस्वर वाचन करना।</li> <li>* मानवीय मूल्यों पर प्रकाश डालते हुए पाठ का विश्लेषण करना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* परिवार के बड़ों से, उनके बचपन की मानवीय मूल्यों से जुड़ी जानकारियों को संग्रह करना और कक्षा में सुनाना।</li> </ul>	<ul style="list-style-type: none"> <li>* भाषिक अभिव्यक्ति और व्याकरण ज्ञान को बेहतर बनायेंगे।</li> <li>* समय के साथ भूले गए संस्कार, संवेदनशीलता को याद करेंगे।</li> </ul>

**द्वितीय आवधिक परीक्षा – Second Periodic Test (16..08.2023 to 26.08.2023 )**

अगस्त	4	पूरक पाठ:2	सपनों से वे दिन	<ul style="list-style-type: none"> <li>* कहानी के सार का विश्लेषण करते हुए विचार-विनिमय करना।</li> <li>* पाठ में प्रयुक्त विभिन्न शब्द और मुहावरों को समझना और उनकी सराहना करना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* कहानी के विषय-वस्तु पर समूह-चर्चा।</li> <li>* बचपन के यादगार घटना वर्णन करते हुए लेखन लिखना।</li> </ul>	<ul style="list-style-type: none"> <li>* स्वयं कहानी का वाचन करेंगे और विचार अभिव्यक्त करेंगे।</li> <li>* बचपन के यादगार पलों को अपनी शैली में अभिव्यक्त करेंगे।</li> <li>* शिक्षण व्यवस्था में हुए बदलावों से अवगत होंगे।</li> </ul>
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सितंबर	3	गद्य:7	पतझर में टूटी में पत्तियाँ: 1. गिन्नी का सोना 2. झेन की देन	*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।	* ICT पर उपलब्ध झेन की कहानियों को पढ़ना। * जपानियों संबंधी जानकारी इकट्ठा करना और लिखना। * जगत को जीने और रहने योग्य बनाए हुए लोगों को पहचानना।	* झेन कहानियों को कक्षा में सुनायेंगे। * मनुष्य के स्वभाव एवं व्यवहार की जानकारी पायेंगे। * मानसिक संतुलता को संभालेंगे और एकाग्रता को बढ़ायेंगे।
सितंबर	3	पद्य:7	तोप	* कविता वाचन और भाव समझाना। * देशभक्ति जागृत करनेवाली पठन सामग्री का प्रयोग करना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।	* देशभक्ति संबंधी कविता रचना। *भारत के आज़ादी-पूर्व इतिहास की जानकारी प्राप्त करना।	* कविता की भावाभिव्यक्ति से परिचित होंगे। * देशभक्ति जाग्रत करेंगे।

**तृतीय आवधिक परीक्षा – Third Periodic Test (07-10-2023 to 12-10-2023)**

अक्तूबर	3	पद्य:8	कर चले हम फ़िदा	* कविता वाचन और भाव समझाना। * देशभक्ति जागृत करनेवाली पठन सामग्री का प्रयोग करना। * सैनिकों के त्याग और बलिदान पर प्रकाश डालना। * एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।	* देशभक्ति संबंधी कविता रचना। * देशभक्ति आधारित फिल्मी गीतों को सुनकर भाव समझना।	* कविता की भावाभिव्यक्ति से परिचित होंगे। * देशभक्ति जाग्रत करेंगे। * देश के वीर सैनिकों के प्रति गौरव व्यक्त करेंगे। * सेना में भर्ती होने की इच्छा ज़ाहिर करेंगे।
नवंबर	4	गद्य:8	कारतूस	*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	* एकांकी को मंचस्थ करना। * एकांकी के विषय-वस्तु पर समूह-चर्चा।	* कल्पनाशीलता को विकसित करने की गतिविधियों (अभिनय) का प्रयोग करेंगे। * अंग्रेज़ी शासनकाल की जानकारी हासिल करेंगे। * आज़ादी पूर्व भारत का हाल जानेंगे।

				करना।		
नवंबर	2	पद्य:8	आत्मत्राण	<ul style="list-style-type: none"> <li>* कविता वाचन और भाव समझाना।</li> <li>* संघर्ष से स्वयं ही जूझने की सामर्थ्य अपनाना।</li> <li>* रवींद्रनाथ ठाकुरजी अन्य कृतियाँ पर प्रकाश डालना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* प्रार्थना संबंधी काव्य रचना करना।</li> <li>* ठाकुरजी की रचनाओं को पढ़ना और समझना।</li> </ul>	<ul style="list-style-type: none"> <li>* कविता की भावाभिव्यक्ति से परिचित होंगे।</li> <li>* स्वयं के शक्तियों/सामर्थ्यों से परिचित होना।</li> <li>* आत्मबल और ईश्वर की भक्ति के बीच के समानता को जानना।</li> </ul>
नवंबर	4	पूरक पाठ:3	टोपी शुक्ला	<ul style="list-style-type: none"> <li>* कहानी के सार का विश्लेषण करते हुए विचार-विनिमय करना।</li> <li>* वर्तमान शिक्षण पद्धति से वाकिफ़ होना।</li> <li>* एनसीईआरटी, ई-पाठशाला आदि वेबसाईट पर उपलब्ध सामग्री का प्रयोग करना।</li> </ul>	<ul style="list-style-type: none"> <li>* मित्रता संबंधी संवाद लिखना।</li> <li>* बचपन के दोस्त की परिचय अपनी शैली में देना।</li> </ul>	<ul style="list-style-type: none"> <li>* स्वयं कहानी का वाचन करेंगे और विचार अभिव्यक्त करेंगे।</li> <li>* स्वयं कहानी लिखने की योग्यता का विकास करेंगे।</li> <li>* जात भेद के भाव को मिटाने की सोच अपनायेंगे।</li> </ul>

### Revision (पुनरावर्तन)

Annual Examination 2023-24



# ANNUAL SYLLABUS PLAN, 2023–24

**CLASS: X**

**TEACHERS: Ms. Sheethal Roshelle Dsouza & Ms. Jisha V Thomas**

**SUBJECT: Mathematics**

Month	No. of Periods	Lesson No	Title of the Lesson	Teaching Methods	Activities	Learning Outcome
March/April	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 Fundamental Theorem of Arithmetic. Proves the irrationality of numbers
	6	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 and the relation between their coefficients and zeroes.
	12	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.
June	12	4	Quadratic Equations	Activity Based Discussion Method Problem Solving	Solving situational problems using quadratic formula method.	Solve the quadratic equation by different methods. Find the nature of roots of a quadratic equation using discriminant.
	<b>Periodic Test I: 19-06-2023 to 26-06-2023</b>					
	10	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 $n^{\text{th}}$ term of an AP and sum of $n$ terms of an AP. Develop strategies to apply the concept of AP to daily life situations.
July	12	6	Triangles	Activity Based Discussion and Demonstration Method Problem Solving	Verify the BPT using parallel lines and triangle cut outs.	Understand similar triangles and identify them. Determine similarity of triangles using different criteria (AAA, SSS, SAS) and using them to solve problems. Apply BPT and its converse to solve problems.
	10	10	Circles	Activity Based Discussion and demonstration method.	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.

				Problem Solving		
	4	14	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.
<b>August</b>	10	7	Coordinate Geometry	Activity Based Discussion Method Problem Solving	Tracing a hidden figure by joining the coordinates to reinforce the knowledge on coordinate geometry.	Derives and applies distance formula, section formula in the context of a coordinate plane.
	6	12	Surface Area and Volume	Activity Based Discussion and Demonstration Method Problem solving	Demonstrates the combination of solids through videos or ppt.	Find surface area and volume of combination of solid figures in our surroundings.
	<b>Periodic Test II: 16 -08-2023 to 26-08-2023</b>					
	4	12	Surface Area and Volume	”	”	”
<b>September</b>	15	8	Introduction to Trigonometry	Activity Based Discussion Method Problem Solving	Learning trigonometric ratios using fingers.	Understand the concept of trigonometric ratios and identities with respect to a given acute angle (of a right triangle).
	10	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.
<b>October</b>	8	11	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.
	<b>Periodic Test III: 7 -10-2023 to 13-10-2023</b>					
<b>November</b>	12	13	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.
	<b>Revision and PB I</b>					
<b>December</b>	<b>Revision and PB II</b>					
<b>January</b>	<b>Revision and PB III</b>					

**ANNUAL SYLLABUS PLAN, 2023–24****CLASS: X****SUBJECT TEACHERS: Ms Deepa Karkada, Ms Shilpa Ballal, Ms Shruthi S****SUBJECT: Science**

<b>MONTH</b>	<b>No. of periods</b>	<b>Lesson No.</b>	<b>Title of the chapter</b>	<b>Teaching methodology</b>	<b>Activities</b>	<b>Learning outcomes</b>
<b>June</b>	8	10	Light - reflection and refraction (Physics)	*Discussion method *Power Point Presentation *Lecture cum demonstration method.	*Activity -Image formation using lens and mirrors and write the observation. *Activity on drawing ray diagrams. *Brainstorming activity.	The student *identifies the different types of mirrors and lenses with their real life application. *develops the skills of drawing ray diagrams *differentiates between different types of mirrors
<b>June</b>	8	1	Chemical reactions and equations – Balancing of reactions (Chemistry)	*Inductive method *Demonstration method *Laboratory method *Analytical method	*Poster making *Questionnaire	The student *recalls the meaning of physical and chemical changes. *identifies the chemical reactions that they see around them. *analyses the steps to balance the given chemical equations. *differentiates the various types of chemical reactions.
<b>June</b>	8	6	Life Processes (Biology)	*Demonstration Method *Inductive method *Discussion method	*Role play on various life processes. *Case study activity	The student: *recognizes the various organs involved in the digestive, respiratory, circulatory and excretory systems. *differentiates between various life processes and its functioning. *sketches the diagrams of digestive, respiratory, circulatory and excretory system in humans. *develops the sense of appreciating the nutrients obtained from nature.

**Periodic Test 1 – 19.06.2023 to 26.06.2023**

<b>July</b>	7	11	The Human eye and the colorful world (Physics)	*Power Point Presentation *Experimental method *Lecture method	*Concept map *Lab Activity - Experiment on refraction through prism *Brainstorming activity	The student: *understands the inner parts of human eye. *identifies the different types of defects of eye and its correction. *differentiates between scattering and dispersion.
<b>July</b>	7	1	Chemical reactions and equations – Redox Reactions (Chemistry)	*Discussion Method *Experimentation method *Audio/visual method	*Concept Map *Brainstorming activity *Lab activities	The student: *defines oxidation and reduction reactions. * identifies the oxidizing and reducing agents. *analyzes the different examples for redox reactions.
<b>July</b>	7	7	Control and Coordination (Biology)	* Power Point presentation *Discussion method *Role Play	*Concept map on different hormones and functions *Quiz	The student *explains the structure and function of nervous system. *identifies the organs of endocrine system. *compares the functions of different hormones.
<b>August</b>	8	11	The Human eye and colourful world (Physics)	*Problem solving method *Analytical method	*Seminars *Investigation project *Quiz	The student *identifies the process of dispersion in nature. *cites examples related to scattering and dispersion in the atmosphere. *analyzes how important light is to organisms *compares the surrounding with and without light
<b>August</b>	8	2	Acid, Bases and Salts – Properties (Chemistry)	*Demonstration method *Experimentation method *Laboratory 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
<b>August</b>	8	8	How do organisms reproduce – Asexual reproduction (Biology)	*Lecture and demonstration method *Flipped classroom method *Discussion method	*Collage on different asexual modes of reproduction. *Case Based Activity *Quiz	The student *explains the importance of the process of reproduction in living organisms. *illustrates the different modes of reproduction. *identifies the different modes of asexual reproduction. *defines each method of vegetative

propagation.

**Periodic Test 2 – 16.08.2023 to 28.08.2023**

<b>September</b>	6	12	Electricity (Physics)	*Discussion method * Power Point Presentation *Inductive method *Lecture method	*Crossword puzzle *Verification of ohm's law – Problem solving activity *Drawing the circuit diagrams. *Brainstorming activity	The student *differentiates between series and parallel connection. *states Ohm's law. *develops problem solving skills using ohm's law. *differentiates between Ohmic and non-Ohmic devices.
<b>September</b>	6	2	Acid, Bases and Salts – Salts and its reactions (Chemistry)	*Analytical method *Experimentation method *Lab Activity *Audio/ visual method	*Investigation project *Concept map on the properties of acids, bases and salts.	The student *compares the properties of salts with other substances. *analyzes the uses of different types of salts.
<b>September</b>	6	8	How do organisms reproduce – Sexual Reproduction (Biology)	* Power Point Presentation *Discussion method *Concept mapping *Inductive method	*Lab Activity on germination *Concept mapping *Case study activity	The student *explains the process of fertilization and pollination in plants. *analyzes the various stages involved in the process of reproduction in humans. *distinguishes between various contraceptive methods. *develops the sense of awareness towards sexually transmitted diseases.

**Periodic Test 3 – 07.10.2023 to 13.10.2023**

<b>October</b>	3	12	Electricity (Physics)	*Discussion method *Problem solving method	*Quiz	The student *compares the advantages and disadvantages of earthing. *analyses the properties of electric current.
<b>November</b>	3	12	Electricity (Physics)	*Discussion method *Problem solving method	* Lab activity – Demonstrating few experiments on the given topics.	The student *differentiates the properties of electric current. *develops basic knowledge about circuits and different elements in circuits.

<b>November</b>	6	3	Metals and non-metals (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.
<b>November</b>	4	9	Heredity (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. *describes the process involved in sex determination.
<b>November</b>	6	13	Magnetic effect of electric current (Physics)	*Discussion method *Analytical method *Lecture method cum demonstration	*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 magnets. *explains the properties of solenoid.
<b>December</b>	6	4	Carbon and its compounds (Chemistry)	* Power Point Presentation *Illustration method *Inductive method	* Concept map on the properties of Carbon compounds with examples.	The student *explains the properties of carbon and its compounds. *analyzes the different structures of carbon compounds. *analyzes the different properties of carbon compounds.
<b>December</b>	5	15	Our Environment – Ecosystem and its components; various activities that affect the environment (Biology)	*Power Point Presentation *Discussion method *Flipped classroom	*Seminar	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.

**January/February – Revision**

**Annual Examination**

**ANNUAL SYLLABUS PLAN, 2023–24**  
**CLASS: X**

**TEACHERS: Ms Laurel Dsouza, Ms Sandhya Manoj**  
**SUBJECT: Social Science**

Month	No. of Periods	Lesson No	Title of the Lesson	Teaching Methods	Activities	Learning Outcome
April	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
April	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.
April	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.
April	6	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.
June	3	Geo-1	Resources and Development	Discussion and	• Flowcharts used to discuss about types of	*Identify different types of resources classifies types of resources

				explanation on Resources. Audio -Video Presentation	Resources and their examples. Map activity	*Identify causes of land degradation and their consequences.
June	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
<b>19/06/2023 to 26/06/2023</b>						
<b>Periodic Test-1</b>						
July	3	GEO-2	Forest and Wildlife	*PPT presentation	Group Discussion	*Understand the importance of biodiversity with regard to flora and fauna in India.
July	5	GEO-3	Water Resources	Video Presentation	Map Work	*Comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation.
July	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
July	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
August	8	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.





November	6	GEO-7	Life Lines of National Economy Interdisciplinary project	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.
November	8	H-7	Print culture and the modern world	Videos PPT	Paired activity	*Identify the link between print culture and the circulation of ideas.

# ANNUAL SYLLABUS PLAN, 2023–24

## CLASS: X

**TEACHER: Ms. Shamitha Shetty**

**SUBJECT: Computer Science**

Month	No. of Periods	Lesson No	Title of the Lesson	Teaching Methods	Activities	Learning Outcome
March - April	4	1	Communication Skills	Discussion + PowerPoint Presentation	Group Discussion+ Pair and Share+ Role play	Student will be able to learn the verbal and non-verbal communication methods. Student will be able to analyze the benefits of effective Communication.
April-June	10	6	Digital Documentation (Advanced)	Discussion + PowerPoint Presentation	Group Discussion + Practical Laboratory work	Student will be able to understand the usage of applying Styles to a document. Student will be able to insert images and objects into a document apply features like resize, grouping , anchoring, text-wrapping etc. Student will be able to apply templates in a document. Student will be able to perform the Mail merge operation.
<b>Periodic Test-1: 19-06-2023 to 26-06-2023</b>						
July	10	7	Electronic Spreadsheets (Advanced)	Discussion + Practical	Computer Lab Activities	Student will be able to learn the advanced spreadsheet functions. Students will be able to learn the usage of Macros in spreadsheets. Students will be able to learn the basics of spreadsheets. Students will be able to understand and implement bill generation, monthly expense planner using spreadsheets.
August	10	8	Database Management System	Discussion + Practical	Computer Lab Activities	Students will learn how to create tables and insert records. Students will be able to understand the process of applying queries to retrieve the data from the table.

**Periodic Test-2 : 16-8-2023 to 21-08-2023**

<b>September</b>	2	2	Self- Management Skills	Discussion + Practical	Group Discussion+ Pair and Share+ Role play	Students will be able to learn and practice self management skills .Students will understand the positive factors of self confidence and ill practice self confidence building tips.
<b>September</b>	3	3	Information and Communication Technology Skills	Discussion + Practical	Computer Lab Activities	Students will be able to know about the various Operating systems. Students will be able to learn about the basics of Communication concepts in the field of IT.
<b>October</b>	8	9	Web Application and Security	Discussion + Practical	Computer Lab Activities	Students will be able to understand the safety measures to follow when browsing. Students will be able to learn about Cyber Ethics and Online Security

**Periodic Test- 3 : 07-10-2023 to 12-10-2023**

<b>November</b>	2	4	Entrepreneurial Skills	Discussion + Practical	Group Discussion+ Pair and Share+ Role play	The students will be able to know the meaning of entrepreneur. They will be able to know the roles of entrepreneurship and the entrepreneur. Students will be aware about the oral skills, businesses and the characteristics of entrepreneurship development programme .(EDP)
<b>November</b>	2	5	Green Skills		Group Discussion+ Pair and Share+ Role play	The students will be able to understand the meaning of environment. They will be able to understand the relationship between society and environment, about natural resource conservation the importance of green economy.

**March -Revision**

**ANNUAL EXAMINATION**