



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade: 9

Subject: English

Teacher's name: Ms. Roopa Rajesh, Ms. Shreelekha Chitnis

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<b>Prose:</b> How I Taught My Grandmother to Read <b>Poem:</b> Bharat Our Land <b>Grammar:</b> Determiners <b>Writing:</b> Paragraph Writing	Understand importance of literacy and independence	Role play (grandmother–granddaughter scene)	4
		Develop respect for lifelong learning		4
		Appreciate India's cultural heritage and identity	Poster on "Importance of Education"	4
		Use determiners accurately in context		4
June	<b>Prose:</b> The Pot Maker <b>Poem: Gifts of Grace:</b> Honouring Our Vocations <b>Grammar:</b> Subject-Verb Concord, Modals <b>Writing:</b> Diary Entry	<ul style="list-style-type: none"> <li>Understand dignity of labour and craftsmanship</li> <li>Develop sensitivity towards traditional occupations</li> <li>Use modals and agreement correctly</li> <li>Write reflective diary entries</li> </ul>	Clay modelling activity (Art Integration)	4
			Interview a local artisan	4
			Diary entry from potter's perspective from the story	4
				3
		PT1- Prose: Grandmother, Pot Maker		

		<p>Poems: Bharat Our Land, Gifts of Grace</p> <p>Grammar: Determiners, S-V Concord, Modals</p> <p>Writing: Paragraph + Diary</p> <p>Reading: Unseen Passage</p>		
July	<p><b>Prose:</b> Winds of Change</p> <p><b>Poem:</b> Canvas of Soil</p> <p><b>Grammar:</b> Tenses</p>	<ul style="list-style-type: none"> <li>• Understand importance of preserving traditions</li> <li>• Appreciate nature and artistic expression</li> </ul> <p>Use tenses effectively</p>	<p>Collage on traditional crafts</p> <p>Gardening activity / observation journal</p>	<p>4</p> <p>3</p> <p>4</p>
August	<p><b>Prose:</b> Vitamin-M</p> <p><b>Poem:</b> I Cannot Remember My Mother</p> <p><b>Grammar:</b> Reported Speech</p>	<ul style="list-style-type: none"> <li>• Develop empathy towards elderly</li> <li>• Understand emotional memory and relationships</li> </ul> <p>Convert sentences into reported speech</p>	<ul style="list-style-type: none"> <li>• Story narration</li> </ul> <p>ASL: Group discussion (family values)</p>	<p>4</p> <p>3</p> <p>4</p>
September	<b>Revision</b>	<p><b>Prose:</b> Grandmother, Pot Maker, Winds of Change, Vitamin-M</p> <p><b>Poems:</b> Bharat Our Land, Gifts of Grace, Canvas of Soil, I Cannot Remember My Mother</p> <p><b>Grammar:</b> Determiners, Modals, Tenses, Reported Speech</p> <p><b>Writing:</b> Paragraph, Diary</p> <p><b>Reading:</b> Unseen passages</p>		

October

**Prose:** The World of  
Limitless Possibilities

**Poem:** Nine Gold  
Medals

- Develop resilience and growth mindset
- Understand inclusivity and empathy

Biography  
presentation (sports  
personalities)

Discussion on  
Paralympics

4

3

November	<p><b>Prose:</b> Twin Melodies (Play)</p> <p><b>Poem:</b> A Friend Found in Music</p> <p><b>Prose:</b> Carrier of Words</p>	<ul style="list-style-type: none"> <li>• Appreciate performing arts and music</li> <li>• Understand role of communication in society</li> <li>• Develop speaking and listening skills</li> </ul>	<ul style="list-style-type: none"> <li>• Skit (Play enactment)</li> <li>• Music appreciation session</li> <li>• Letter writing activity</li> </ul>	<p>4</p> <p>3</p> <p>4</p>
December	<p><b>Prose:</b> Follow That Dream</p> <p><b>Poem:</b> Words</p>	<ul style="list-style-type: none"> <li>• Understand guidance, aspirations, and life values</li> <li>• Appreciate power of language</li> </ul>	<p>Letter writing (parent to child)</p> <p>Vocabulary enrichment exercises</p>	<p>4</p> <p>4</p>
January	<p><b>Poem:</b> Believe in Yourself</p>	<ul style="list-style-type: none"> <li>• Build confidence and self-belief</li> <li>• Improve communication skills</li> </ul>	<p>Debate / ASL</p>	<p>3</p>

	Revision + Speaking Skills		Motivational speech	4
February	Entire syllabus Annual Examination	Full syllabus (All prose + poems + grammar + writing + reading)		
March	<b>Term 2</b>	Annual Exam		



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-2027)

Grade: 9

Subject: Hindi [ स्पर्श भाग- १ ]

Teacher's name: Mr.Sanjay Tak

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<p>स्पर्श कविता- १. रैदास के पद</p> <p>व्याकरण-संज्ञा, सर्वनाम</p> <p>पाठ १. दुख का अधिकार</p> <p>लेखन: अनुच्छेद लेखन</p>	<ul style="list-style-type: none"><li>• काव्य -शिक्षण में रुचि</li><li>• प्रोत्साहन देना तथा लक्ष्य को पाने का प्रयत्न करना।</li><li>• कविता का शाब्दिक अर्थ जानना</li><li>• कविता का प्रतीकात्मक अर्थ जानना</li><li>• संज्ञा और उसके भेद जानना</li><li>• सर्वनाम और उसके भेद जानना</li><li>• संज्ञा के उदाहरण लिखना</li><li>• सर्वनाम का वाक्य में प्रयोग करना</li><li>• दया, सहानुभूति, परोपकार आदि मूल्यों का विकास।</li><li>• छात्रों में बूढ़े लोगों के प्रति आदर भाव बढ़ेगा।</li><li>• स्नेह, ममत्व, वात्सल्य,</li><li>• संवेदनशीलता का विकास</li></ul>	<ul style="list-style-type: none"><li>• रहीम जी की जानकारी एकत्रित कीजिए।</li><li>• नीति परक दोहों की जानकारी एकत्रित करना।</li><li>• छात्रों में ईश्वर भक्ति का भाव जगाना, जीवन का तत्वज्ञान समझाना।</li><li>• संज्ञा के उदाहरण लिखना</li><li>• सर्वनाम के उदाहरण लिखना</li><li>• व्यक्ति की पहचान उसकी पोशाक से होती है। इस विषय पर कक्षा में परिचर्चा कीजिए।</li><li>• अमीर- गरीब का अंतर</li></ul>	20

			समझकर गरीबों से मानवतापूर्ण व्यवहार करने की सीख देकर कक्षा चर्चा।	
<b>June</b>	<p>स्पर्श पाठ - २. एवरेस्ट मेरी शिखर यात्रा</p> <p>स्पर्श कविता- २. रहीम के दोहे</p> <p>संचयन पाठ - १. गिल्लू</p> <p>व्याकरण: विशेषण, उपसर्ग-प्रत्यय,</p>	<ul style="list-style-type: none"> <li>लेखन और वाचन कौशल का विकास।</li> <li>चिंतन-मनन द्वारा बौद्धिक क्षमता का विकास।</li> <li>छात्रों में प्रकृति प्रेम की भावना वृद्धिगत होगी</li> <li>नारी वर्ग के प्रति सम्मान का भाव।</li> <li>साहसी कार्यों में रूचि बढ़ेगी</li> <li>विचार अभिव्यक्ति की क्षमता का विकास।</li> <li>कविता का चुनाव और विश्लेषण</li> <li>कविता के भावार्थ से संबंधित तत्व जानना</li> <li>कविता का भावार्थ जानना</li> <li>नए शब्द भंडार से परिचय।</li> <li>उपसर्ग-प्रत्यय में अंतर जानना</li> <li>उपसर्ग-प्रत्यय का महत्व समझना</li> <li>वाचन कौशल का विकास</li> <li>छात्र पाठ के माध्यम से प्राणी जगत की विविधता को जानेंगे।</li> <li>विशेषण और उसके भेद जानना</li> </ul>	<ul style="list-style-type: none"> <li>रामधारी सिंह का लेख- 'हिम्मत और जिंदगी' को पढ़िए।</li> <li>आधुनिकता के कारण आए बदलावों पर वाद-विवाद गतिविधि</li> <li>भारत के गिर्यारोहकों की जानकारी एकत्र करना</li> <li>काव्य तत्वों के उदाहरण चार्ट पर बनी तालिका में लिखना</li> <li>कबीर के दोहों का संकलन करना।</li> <li>रहीम की जानकारी एकत्रित करना।</li> <li>उपसर्ग-प्रत्यय के उदाहरण लिखना</li> <li>विविध पालतू पशुओं की जानकारी एकत्रित कीजिए।</li> <li>कहानी विधि की जानकारी लीजिए।</li> </ul>	20

	पत्र लेखन, अनौपचारिक पत्र लेखन।	<ul style="list-style-type: none"> <li>विशेषण का महत्व समझना</li> <li>उपसर्ग-प्रत्यय से शब्द-निर्माण प्रक्रिया को जानना</li> </ul>	<ul style="list-style-type: none"> <li>विशेषण का वाक्य में प्रयोग करना</li> <li>विशेषण के भेद पहचानना</li> <li>उपसर्ग-प्रत्यय के उदाहरण लिखिए।</li> <li>शब्दों में से उपसर्ग-प्रत्यय पहचानकर लिखिए।</li> </ul>	
<b>July</b>	<p>स्पर्श पाठ - ३. तुम कब जाओगे अतिथि</p> <p>व्याकरण: स्वर संधि,</p>	<ul style="list-style-type: none"> <li>निरीक्षण क्षमता, अवलोकन एवं विचार- अभिव्यक्ति की क्षमता का विकास।</li> <li>छात्रों के सामान्य ज्ञान को बढ़ाना। छात्र कविता का मूल भाव समझेंगे।</li> <li>छात्र रिश्तों के महत्व को समझेंगे।</li> <li>समाज की वास्तविकता जानेगें।</li> <li>विषय का आकलन।</li> <li>योग्य आचरण।</li> <li>छात्र अपने घर के महत्व और अपनत्व से परिचित होंगे।</li> <li>मानव शास्त्र, सामाजिक विज्ञान का परिचय</li> <li>विचार अभिव्यक्ति की क्षमता का विकास।</li> <li>नए शब्द भंडार से परिचय।</li> <li>अनौपचारिक पत्र लेखन का स्वरूप जानेंगे।</li> <li>विज्ञापन- पोस्टर का निर्माण करना</li> <li>समरूपी भिनार्थक शब्द जानना।</li> </ul>	<ul style="list-style-type: none"> <li>बिहारी की जानकारी एकत्रित करना</li> <li>आदमी के विभिन्न प्रवृत्तियों को जानकर व्यवहार करेंगे।</li> <li>चार्ट पर यात्रा वृत्तांत की विशेषताएँ लिखना</li> <li>अपने घर आए अतिथियों के सत्कार का अनुभव छात्र कक्षा में सुनाएँ।</li> <li>छात्र अच्छा अतिथि कौन होता है? यह जानकर दूसरों के घर व्यवहार करेंगे।</li> <li>अपने जीवन की साहसिक घटना का वर्णन कीजिए</li> <li>छात्र उदारता, मनुष्यता के भाव से व्यवहार करेंगे।</li> <li>अनौपचारिक पत्र लेखन करेंगे।</li> <li>स्वर संधि के उदाहरण लिखेंगे।</li> </ul>	22
<b>August</b>	संचयन पाठ - २.	लेखन और वाचन कौशल का विकास। चिंतन-मनन द्वारा बौद्धिक क्षमता का	सर्पों की प्रजातियों पर लेख लिखिए।	

	<p><b>स्मृति</b></p> <p><b>स्पर्श कविता- ३. गीत- अगीत (कविता)</b></p> <p><b>व्याकरण- वाक्य-विचार, विराम-चिह्न और संवाद लेखन</b></p>	<p>विकास। छात्रों में प्रकृति प्रेम की भावना वृद्धिगत होगी अपने परिवार जनों के प्रति सम्मान का भाव। साहसी कार्यों में रूचि बढेगी विचार अभिव्यक्ति की क्षमता का विकास।</p> <ul style="list-style-type: none"> <li>● उदारता, साहस, क्षमा और शांति जीवनमूल्यों का परिचय।</li> <li>● कवि परिचय।</li> <li>● सामान्य ज्ञान को बढ़ाना।</li> <li>● स्वतंत्रता के महत्त्व से अवगत कराना।</li> <li>● सस्वर गायन।</li> <li>● मानवता और भूतदया जैसे गुणों का विकास</li> <li>● भेदभाव की नीति को विरोध की भूमिका तैयार होगी।</li> <li>● समाज में निधर्मिता और सर्वधर्मसमभाव से आचरण करेंगे।</li> <li>● संधि की परिभाषा तथा भेदों को जानना</li> <li>● विराम-चिह्न के प्रकारों का परिचय</li> </ul>	<p>अपने जीवन की किसी साहसिक कारनामे को कलमबद्ध कीजिए। किसी प्राकृतिक स्थान की यात्रा का वर्णन करेंगे। भारत के पशु पक्षियों की जानकारी एकत्र करना। वाक्य और अर्थ की दृष्टि से वाक्य के भेदों के उदाहरण लिखिए। अर्थ की दृष्टि से वाक्य के भेद पहचानिए। दिए गए विषय पर संवाद लेखन कीजिए। रामधारी सिंह की कविताओं का संग्रह कीजिए। प्रकृति या मानवीय राग- अनुराग संबंधी एक कविता लिखिए। पाठ में आए कठिन शब्दों का अपने वाक्यों में प्रयोग करना। विराम-चिह्न और भेदों के उदाहरण लिखिए। उदाहरणों से विराम-चिह्नों के भेद पहचानिए। दिए गए चित्र का विस्तार से वर्णन कीजिए।</p>	<p><b>20</b></p>
<p><b>September</b></p>	<p><b>REVISION</b></p>	<p><b>REVISION + TERM 1 EXAM</b></p>	<p><b>REVISION</b></p>	<p><b>19</b></p>

<p><b>October</b></p>	<p>स्पर्श कविता- ५. अग्निपथ</p> <p>स्पर्श पाठ - ४. वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकट रामन्</p> <p>व्याकरण- शब्द और पद अनुस्वार, अनुनासिक</p> <p>अनुच्छेद लेखन</p>	<ul style="list-style-type: none"> <li>● आकलन क्षमता का ज्ञान कराना</li> <li>● विचार अभिव्यक्ति की क्षमता का विकास।</li> <li>● रचनात्मक लेखन का अनुभव प्रदान करना।</li> <li>● मनोविज्ञान, व्यक्तिमत्व विकास।</li> <li>● मंतव्य का विश्लेषण करना।</li> <li>● अनुमानित प्रश्नों का उत्तर लेखन करना।</li> </ul> <p>लेखन और वाचन कौशल का विकास</p> <p>चिंतन-मनन द्वारा बौद्धिक क्षमता का विकास</p> <p>विज्ञान के प्रति निष्ठा का विकास।</p> <p>वैज्ञानिक दृष्टिकोन से घटनाओं को समझने में वृद्धि।</p> <p>अनुसंधान की प्रवृत्ति का विकास।</p> <p>विचार अभिव्यक्ति की क्षमता का विकास।</p> <p>विराम-चिह्न और भेदों का आकलन।</p> <p>चित्र वर्णन के बिंदुओं का ज्ञान।</p>	<ul style="list-style-type: none"> <li>● 'जीवन संघर्ष का ही नाम है' इस विषय पर परिचर्चा।</li> <li>● संघर्ष कर सफलता प्राप्त प्रसिद्ध व्यक्ति चरित्रों का अभ्यास।</li> <li>● 'एक पत्र - छाह भी माँग मत' इस पंक्ति का आशय स्पष्ट कीजिए।</li> <li>● कविता के प्रश्नोत्तर।</li> <li>● गीत प्रणाली</li> </ul> <p>देश विकास में वैज्ञानिकों का योगदान - इस विषय पर परिचर्चा।</p> <p>भारतीय वैज्ञानिकों की जानकारी एकत्र करना।</p> <p>वैज्ञानिक और उनकी खोज की सूची बनाइए।</p> <p>विराम-चिह्न और भेदों के उदाहरण लिखिए।</p> <p>उदाहरणों से विराम-चिह्नों के भेद पहचानिए।</p> <p>दिए गए चित्र का विस्तार से वर्णन कीजिए।</p>	<p>18</p>

<p><b>November</b></p>	<p><b>स्पर्श पाठ - ६. शुक्रतारे के समान</b></p> <p><b>संचयन पाठ -३. कल्लू कुम्हार की उनाकोटि व्याकरण: उपसर्ग- प्रत्यय (पुनरावर्तन)</b></p> <p><b>संवाद लेखन</b></p>	<ul style="list-style-type: none"> <li>● चिंतन-मनन द्वारा बौद्धिक क्षमता का विकास।</li> <li>● देशप्रेम,लोककल्याण की भावना का विकास।</li> <li>● आत्मविश्वास इतिहास, सामाजिक विज्ञान, पत्रकारिता आदि का परिचय।</li> <li>● जीवन में ईमानदारी और मेहनत से कार्य करना सीखेंगे। <ul style="list-style-type: none"> <li>● फिल्मों का इतिहास जानना।</li> </ul> </li> <li>● लेखन और वाचन कौशल का विकास।</li> <li>● भारत की प्राकृतिक विविधता को जानना।</li> <li>● भारतीय संगीत की परंपरा का आकलन।</li> <li>● पूर्वोत्तर भारत की सांस्कृतिक गतिविधियों की जानकारी।</li> <li>● विविधता में एकता की भावना का विकास।</li> <li>● संवाद लेखन के तत्वों का परिचय।</li> <li>● विचार अभिव्यक्ति की क्षमता का विकास।</li> <li>● नए शब्द भंडार से परिचय।</li> </ul>	<ul style="list-style-type: none"> <li>● स्वतंत्रता आंदोलन में गांधीजी का योगदान' विषय पर परिचर्चा।</li> <li>● किसी सफल व्यक्ति के संघर्ष की कथा लिखिए।</li> <li>● प्रश्नोत्तर लेखन।</li> <li>● समाज में व्याप्त अन्याय,बुराई आडंबर आदि पर लेख अथवा व्याख्यान गतिविधि।</li> <li>● विविध प्रसंगों पर आधारित संवाद लिखिए।</li> <li>● भारतीय संगीत के संगीतकारों की जानकारी एकत्रित कीजिए।</li> <li>● भारत के पर्व पर अनुच्छेद लिखिए।</li> <li>● विज्ञापन लेखन के उदाहरण दीजिए।</li> <li>● विलोम शब्दों का प्रयोग करते हुए दो वस्तुओं में बातचीत लिखना</li> <li>● विलोम शब्द लिखना</li> </ul>	<p><b>19</b></p>

<p><b>December</b></p>	<p>स्पर्श कविता- ६. नए इलाके में/खुशबू रचते हैं हाथ</p> <p>व्याकरण- वाक्य-विचार, विराम-चिह्न चित्र वर्णन</p>	<ul style="list-style-type: none"> <li>● लाक्षणिक अर्थ से कविता भावार्थ लिखना</li> <li>● पदों को गाते हुए अभिनय करना</li> <li>● रचनात्मक लेखन का अनुभव</li> <li>● काव्य विवेचन प्रणाली।</li> <li>● लेखन और वाचन कौशल का विकास।</li> <li>● ग्रामीण जीवन शैली को जानने की प्रवृत्ति।</li> <li>● छात्रों में भूतदया मनुष्यता आदि भाव वृद्धिगत होंगे।</li> <li>● देशप्रेम की भावना को जागृत करना।</li> <li>● काव्य -शिक्षण में रुचि।</li> <li>● वाक्य के भेदों का आकलन होगा।</li> <li>● विराम चिह्न के उदाहरण से भेद जानेंगे।</li> </ul>	<ul style="list-style-type: none"> <li>● अगरबत्ती बनाना तथा माचिस बनाना आदि लघु उद्योगों के बारे में जानकारी एकत्रित करना।</li> <li>● मजदूरों और कारिगरों की कला का मूल्य जानकर उनके प्रति आदर बढ़ेगा।</li> <li>● सच्ची मित्रता के दुर्लभ उदाहरण लिखिए।</li> <li>● शहरीकरण के दुष्परिणामों पर कक्षा चर्चा कीजिए।</li> <li>● पाठ का प्रतिपाद्य अपने शब्दों में लिखिए।</li> </ul>	<p><b>16</b></p>
	<p>संचयन पाठ - ४. मेरा छोटा-सा निजी पुस्तकालय</p>	<ul style="list-style-type: none"> <li>● पुस्तकालय की संकल्पना का ज्ञान।</li> <li>● पुस्तक वाचन की भावना का विकास।</li> <li>● छात्रों में सांप्रदायिक एकता मजबूत होगी।</li> <li>● स्वतंत्रता का इतिहास, भूगोल, राजनीति शास्त्र आदि का परिचय।</li> <li>● देशप्रेम की भावना को जागृत करना।</li> <li>● विचार अभिव्यक्ति की क्षमता का विकास।</li> <li>● राष्ट्रीयता जागृत होगी।</li> </ul>	<ul style="list-style-type: none"> <li>● 'पुस्तकालय का महत्व' इस विषय पर कक्षा चर्चा</li> <li>● 'पुस्तकालय की मानव जीवन में भूमिका' पर अनुच्छेद लिखिए।</li> <li>● मानवता, धर्म निरपेक्षता आदि मूल्यों पर विचार व्यक्त कीजिए।</li> <li>● देशप्रेम पर परिचर्चा अथवा स्वानुभव की अभिव्यक्ति</li> <li>● आशय स्पष्ट कीजिए।</li> </ul>	<p><b>22</b></p>

<b>January</b>	<b>व्याकरण- मुहावरे, पत्र लेखन</b>	<ul style="list-style-type: none"> <li>● स्वतंत्रता का मूल्य जानेंगे।</li> <li>● राष्ट्र पुरूषों के लिए सम्मान और आदर की प्रस्तुति।</li> <li>● वर्णनात्मक शैली का ज्ञान</li> <li>● सामाजिक इतिहास की जानकारी।</li> <li>● मुहावरे के अर्थ और वाक्य- प्रयोग की जानकारी</li> <li>● मुहावरे का अर्थ जानना</li> <li>● मुहावरे का विश्लेषण करना</li> <li>● संवाद लेखन के आवश्यक बिंदुओं का परिचय</li> <li>● पत्रलेखन के प्रकारों की जानकारी</li> </ul>	<ul style="list-style-type: none"> <li>● लोकोक्तियाँ का प्रयोग करना</li> <li>● मुहावरे का वाक्य में प्रयोग करना।</li> <li>● संवाद के उदाहरण लिखिए।</li> <li>● विविध विषयों पर पत्रलेखन कीजिए।</li> <li>● वस्तुओं के विज्ञापन तैयार कीजिए।</li> </ul>	
<b>February</b>		<b>Revision</b>	<b>Revision</b>	<b>19</b>
<b>March</b>	<b>March</b>	<b>Annual Exam</b>	<b>Annual Exam</b>	<b>19</b>



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-2027)

Grade: 9

Subject: Marathi

Subject Incharge's name: Ms. Sarika Kande

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	१ सर्वात्मका शिवसुंदरा	<ul style="list-style-type: none"><li>• प्रार्थनेतून अंधारातून उजेडाकडे नेण्याची व संकटाला सामना करण्याची शक्ती मिळते.</li><li>• प्रार्थना तालबद्ध पद्धतीने म्हणता येणे.</li><li>• प्रार्थनेचा भावार्थ समजला पाहिजे.</li></ul>	<ul style="list-style-type: none"><li>• कविता ताला सुरात म्हणून घेतली</li></ul>	20
	२ संतवाणी (आ) संतकृपा झाली	<ul style="list-style-type: none"><li>• अभंगातील भावार्थ समजला पाहिजे.</li><li>• विद्यार्थींना महाराष्ट्रातील संस्कृती, संत, अभंग याची जाणीव करून देणे.</li></ul>	<ul style="list-style-type: none"><li>• संतांचे कार्य समाजासाठी कसे उपयुक्त आहे हे त्या संताची माहिती सांगून पटवून द्या.</li></ul>	
	व्याकरण- नाम, सर्वनाम	<ul style="list-style-type: none"><li>• नाम, सर्वनाम व त्याचे प्रकार</li></ul>	<ul style="list-style-type: none"><li>• नामांची अंताक्षरी घेणे.</li></ul>	
June	३ बेटा मी ऐकतो आहे	<ul style="list-style-type: none"><li>• स्वतःचे विचार सुस्पष्टपणे मांडता येतात.</li><li>• पाठ्यपुस्तक आणि त्याच्याशी संबंधित इतर साहित्यांत आलेल्या नैसर्गिक, सामाजिक आणि इतर संवेदनशील मुद्द्यांना समजून घेऊन त्यावर चर्चा करतात.</li></ul>	<ul style="list-style-type: none"><li>• पाठ वाचन घेणे.</li></ul>	20

	४ जी.आय.पी.रेल्वे	<ul style="list-style-type: none"> <li>१८५३मध्ये सुरु झालेल्या रेल्वे प्रवास याचे सुंदर, मार्मिक व ओघवत्या शैलीतील वर्णन मुलांना समजणे.</li> <li>सार्वजनिक ठिकाणच्या सूचना समजपूर्वक वाचून त्याबाबत योग्य विचार करतात.</li> </ul>	<ul style="list-style-type: none"> <li>आधुनिक साधनापैकी कोणत्याही एका साधना चा इतिहास जाणून माहिती सांगा.</li> </ul>	
	व्याकरण- विशेषण, क्रियापद	<ul style="list-style-type: none"> <li>विशेषण, क्रियापद, वाक्य व त्याचे प्रकार</li> </ul>	<ul style="list-style-type: none"> <li>चिट्टीत आलेल्या विशेषणाचे वाक्य बनवून सांगा.</li> </ul>	
July	५ व्यायामाचे महत्व	<ul style="list-style-type: none"> <li>नव्या शब्दांविषयी जिज्ञासा व्यक्त करून त्या शब्दांचे अर्थ जाणून घेण्यासाठी शब्दकोशाचा वापर करतात.</li> <li>दिलेल्या विषयावर मुद्द्याच्या आधारे स्वतंत्र लेखन करतात.</li> <li>मानवी जीवनात व्यायामाचे महत्व प्रस्तुत करतात.</li> </ul>	<ul style="list-style-type: none"> <li>व्यायामाचे फायदे व तोटे सांगा.</li> <li>SEA -सूर्य नमस्काराची माहिती लिहून त्याच्या प्रकारांची सचित्र माहिती लिहा. (कोणत्याही चार प्रकारची पाच ओळीत माहिती लिहा.)</li> </ul>	22
	६ ऑलिंपिक वर्तुळाचा गोफ	<ul style="list-style-type: none"> <li>ऑलिंपिक क्रीडा स्पर्धा विषयची माहिती समजते.</li> <li>विविध उपक्रमांच्या नियोजनाच्या स्पर्धेत भाग घेतात.</li> <li>एखादी गोष्ट आत्मसात करण्यासाठी सतत सराव करावा लागतो हे समजावणे.</li> <li>स्वल्पविराम, अर्धविराम, प्रश्नचिन्ह, उद्गारचिन्ह इत्यादींचा योग्य वापर करतात.</li> </ul>	<ul style="list-style-type: none"> <li>ऑलिंपिक मध्ये सुवर्ण, रजत किंवा कांस्य पदक मिळवणाऱ्या एका व्यक्तीची माहिती लिहा.</li> </ul>	
	व्याकरण	<ul style="list-style-type: none"> <li>काळ , अव्यय, समास</li> </ul>	<ul style="list-style-type: none"> <li>जोड्या लावा.</li> </ul>	
August	७ दिव्याच्या शोधामागचे दिव्य	<ul style="list-style-type: none"> <li>इच्छाशक्तीच्या जोरावर यशस्वी होणे ही भावना मनात रुजवणे.</li> <li>आपल्या परिसरात घडणारे प्रसंग, घटना इत्यादींचे सूक्ष्मनिरीक्षण करतात व त्यावर प्रतिक्रिया देतात.</li> </ul>	<ul style="list-style-type: none"> <li>संशोधक होण्यासाठी तुमच्या आयुष्यात काय बदल कराल या वर माहिती लिहा.</li> </ul>	20

	व्हेनिस (स्थूलवाचन)	<ul style="list-style-type: none"> <li>व्हेनिस या शहरातील वातावरण, जीवनमान याची माहिती समजावणे.</li> </ul>	<ul style="list-style-type: none"> <li>तुम्ही पाहिलेल्या कोणत्याही आवडलेल्या स्थळाचे वर्णन सांगा.</li> </ul>	
	व्याकरण	<ul style="list-style-type: none"> <li>समान व विरुद्ध अर्थाचे शब्द, वाक्प्रचार, कथालेखन, निबंधलेखन, पत्रलेखन, जाहिरात लेखन</li> </ul>		
September	<ul style="list-style-type: none"> <li>सराव</li> </ul>			19
October	९ उजाड उघडे माळरानही (कविता)	<ul style="list-style-type: none"> <li>नव्या शब्दांविषयी जिज्ञासा व्यक्त करून त्या शब्दांचे अर्थ जाणून घेण्यासाठी शब्दकोशाचा वापर करतात.</li> <li>दिलेल्या विषयावर मुद्द्याच्या आधारे स्वतंत्र लेखन करतात.</li> <li>वसंतऋतूच्या आगमनाने सृष्टीच्या निसर्गसौंदर्यातील बदल समजतात.</li> </ul>	<ul style="list-style-type: none"> <li>कविता तालासुरात म्हणून घेतली.</li> </ul>	18
	१० कुलूप	<ul style="list-style-type: none"> <li>नव्या शब्दांविषयी जिज्ञासा व्यक्त करून त्या शब्दांचे अर्थ जाणून घेण्यासाठी शब्दकोशाचा वापर करतात.</li> <li>दिलेल्या विषयावर मुद्द्याच्या आधारे स्वतंत्र लेखन करतात.</li> <li>लेखकाच्या विनोदी शैलीचा परिचय होणे</li> </ul>	<ul style="list-style-type: none"> <li>तुम्हाला असलेल्या एका छंदाविषयी वर्गात सादरीकरण करणे.</li> </ul>	
	११ आभाळातल्या पाऊलवाटा	<ul style="list-style-type: none"> <li>पक्षांच्या दुनियेतील होणाऱ्या घडामोडींवर माहिती समजावणे.</li> <li>मराठी भाषेतील विविध साहित्यप्रकार (बातम्या, वृत्तपत्रे, कथा, माहिती देणारे साहित्य, इंटरनेटवर प्रसिद्ध होणारे साहित्य) समजपूर्वक वाचून स्वतःची आवडनिवड सांगतात, मत देतात, सूचना करतात</li> </ul>	<ul style="list-style-type: none"> <li>SEA -2 गुरु आणि शिष्य यांच्यातील प्रसिद्ध असलेल्या गोष्टी पैकी एका गोष्टीचे सादरीकरण करणे.</li> </ul>	

November	१२ पुन्हा एकदा (कविता)	<ul style="list-style-type: none"> <li>नवनिर्माणाचा ध्यास घेतलेल्या मनाच्या भाव स्थितीचे वर्णन प्रस्तुत कवितेत केले आहे</li> <li>कावितेचा भावार्थ व पावसाचे महत्व समजावणे.</li> <li>वसंतऋतूच्या आगमनाने सृष्टीच्या निसर्गसौंदर्यातील बदल समजतात.</li> </ul>	<ul style="list-style-type: none"> <li>कविता तालासुरात म्हणून घेतली.</li> </ul>	19
	१३ तिफन	<ul style="list-style-type: none"> <li>पावसाच्या आगमनाने शेतकऱ्यांच्या कामांच्या लागबगीची माहिती करून घेतात.</li> <li>गीते, समूहगीते, कविता विविध साहित्य प्रकारच्या ध्वनिफिती समजपूर्वक समजतात.</li> </ul>	<ul style="list-style-type: none"> <li>कविता तालासुरात म्हणून घेतली.</li> </ul>	
December	१५ माझे शिक्षक व संस्कार	<ul style="list-style-type: none"> <li>शिक्षकांकडून विद्यार्थ्यांवर घडणाऱ्या संस्कारांचे महत्व समजून घेणे.</li> <li>घटना, प्रसंग यावर आधारित सुसंगत विचार करून त्याबाबत लेखन करतात</li> </ul>	<ul style="list-style-type: none"> <li>शिक्षकांशी संबंधित असलेल्यातुमच्या आठवणी सांगा .</li> </ul>	16
	१६शब्दांचा खेळ	<ul style="list-style-type: none"> <li>विद्यार्थ्यांना हेलेन केलर यांनी आपल्या अपंगत्वाशी सामना देत त्यांनी आपले शिक्षण कसे पूर्ण केले याच्या बदल माहिती घेणे,</li> <li>एखादा विषय लक्षात ठेवण्यासाठी वेगवेगळ्या युक्ती शोधणे.</li> </ul>	<ul style="list-style-type: none"> <li>दिव्यांग मुलांविषयी माहिती सांगा .</li> </ul>	
January	विश्वकोश (स्थूलवाचन)	विश्वकोशाची ओळख होते.	विश्वकोश याचा उपयोग सांगा.	22
	व्याकरण- सराव	निबंधलेखन, पत्रलेखन, कथालेखन, जाहिरात लेखन		
	सराव			
February	Annual Exam			
March	Annual Exam			



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-2027)

Grade: 9

Subject: Marathi

Subject Incharge's name: Ms. Sarika Kande

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	१ सर्वात्मका शिवसुंदरा	<ul style="list-style-type: none"><li>• प्रार्थनेतून अंधारातून उजेडाकडे नेण्याची व संकटाला सामना करण्याची शक्ती मिळते.</li><li>• प्रार्थना तालबद्ध पद्धतीने म्हणता येणे.</li><li>• प्रार्थनेचा भावार्थ समजला पाहिजे.</li></ul>	<ul style="list-style-type: none"><li>• कविता ताला सुरात म्हणून घेतली</li></ul>	20
	२ संतवाणी (आ) संतकृपा झाली	<ul style="list-style-type: none"><li>• अभंगातील भावार्थ समजला पाहिजे.</li><li>• विद्यार्थींना महाराष्ट्रातील संस्कृती, संत, अभंग याची जाणीव करून देणे.</li></ul>	<ul style="list-style-type: none"><li>• संतांचे कार्य समाजासाठी कसे उपयुक्त आहे हे त्या संताची माहिती सांगून पटवून द्या.</li></ul>	
	व्याकरण- नाम, सर्वनाम	<ul style="list-style-type: none"><li>• नाम, सर्वनाम व त्याचे प्रकार</li></ul>	<ul style="list-style-type: none"><li>• नामांची अंताक्षरी घेणे.</li></ul>	
June	३ बेटा मी ऐकतो आहे	<ul style="list-style-type: none"><li>• स्वतःचे विचार सुस्पष्टपणे मांडता येतात.</li><li>• पाठ्यपुस्तक आणि त्याच्याशी संबंधित इतर साहित्यांत आलेल्या नैसर्गिक, सामाजिक आणि इतर संवेदनशील मुद्द्यांना समजून घेऊन त्यावर चर्चा करतात.</li></ul>	<ul style="list-style-type: none"><li>• पाठ वाचन घेणे.</li></ul>	20

	४ जी.आय.पी.रेल्वे	<ul style="list-style-type: none"> <li>१८५३मध्ये सुरु झालेल्या रेल्वे प्रवास याचे सुंदर, मार्मिक व ओघवत्या शैलीतील वर्णन मुलांना समजणे.</li> <li>सार्वजनिक ठिकाणच्या सूचना समजपूर्वक वाचून त्याबाबत योग्य विचार करतात.</li> </ul>	<ul style="list-style-type: none"> <li>आधुनिक साधनापैकी कोणत्याही एका साधना चा इतिहास जाणून माहिती सांगा.</li> </ul>	
	व्याकरण- विशेषण, क्रियापद	<ul style="list-style-type: none"> <li>विशेषण, क्रियापद, वाक्य व त्याचे प्रकार</li> </ul>	<ul style="list-style-type: none"> <li>चिट्टीत आलेल्या विशेषणाचे वाक्य बनवून सांगा.</li> </ul>	
July	५ व्यायामाचे महत्व	<ul style="list-style-type: none"> <li>नव्या शब्दांविषयी जिज्ञासा व्यक्त करून त्या शब्दांचे अर्थ जाणून घेण्यासाठी शब्दकोशाचा वापर करतात.</li> <li>दिलेल्या विषयावर मुद्द्याच्या आधारे स्वतंत्र लेखन करतात.</li> <li>मानवी जीवनात व्यायामाचे महत्व प्रस्तुत करतात.</li> </ul>	<ul style="list-style-type: none"> <li>व्यायामाचे फायदे व तोटे सांगा.</li> <li>SEA -सूर्य नमस्काराची माहिती लिहून त्याच्या प्रकारांची सचित्र माहिती लिहा. (कोणत्याही चार प्रकारची पाच ओळीत माहिती लिहा.)</li> </ul>	22
	६ ऑलिंपिक वर्तुळाचा गोफ	<ul style="list-style-type: none"> <li>ऑलिंपिक क्रीडा स्पर्धा विषयची माहिती समजते.</li> <li>विविध उपक्रमांच्या नियोजनाच्या स्पर्धेत भाग घेतात.</li> <li>एखादी गोष्ट आत्मसात करण्यासाठी सतत सराव करावा लागतो हे समजावणे.</li> <li>स्वल्पविराम, अर्धविराम, प्रश्नचिन्ह, उद्गारचिन्ह इत्यादींचा योग्य वापर करतात.</li> </ul>	<ul style="list-style-type: none"> <li>ऑलिंपिक मध्ये सुवर्ण, रजत किंवा कांस्य पदक मिळवणाऱ्या एका व्यक्तीची माहिती लिहा.</li> </ul>	
	व्याकरण	<ul style="list-style-type: none"> <li>काळ , अव्यय, समास</li> </ul>	<ul style="list-style-type: none"> <li>जोड्या लावा.</li> </ul>	
August	७ दिव्याच्या शोधामागचे दिव्य	<ul style="list-style-type: none"> <li>इच्छाशक्तीच्या जोरावर यशस्वी होणे ही भावना मनात रुजवणे.</li> <li>आपल्या परिसरात घडणारे प्रसंग, घटना इत्यादींचे सूक्ष्मनिरीक्षण करतात व त्यावर प्रतिक्रिया देतात.</li> </ul>	<ul style="list-style-type: none"> <li>संशोधक होण्यासाठी तुमच्या आयुष्यात काय बदल कराल या वर माहिती लिहा.</li> </ul>	20

	व्हेनिस (स्थूलवाचन)	<ul style="list-style-type: none"> <li>व्हेनिस या शहरातील वातावरण, जीवनमान याची माहिती समजावणे.</li> </ul>	<ul style="list-style-type: none"> <li>तुम्ही पाहिलेल्या कोणत्याही आवडलेल्या स्थळाचे वर्णन सांगा.</li> </ul>	
	व्याकरण	<ul style="list-style-type: none"> <li>समान व विरुद्ध अर्थाचे शब्द, वाक्प्रचार, कथालेखन, निबंधलेखन, पत्रलेखन, जाहिरात लेखन</li> </ul>		
September	<ul style="list-style-type: none"> <li>सराव</li> </ul>			19
	९ उजाड उघडे माळरानही (कविता)	<ul style="list-style-type: none"> <li>नव्या शब्दांविषयी जिज्ञासा व्यक्त करून त्या शब्दांचे अर्थ जाणून घेण्यासाठी शब्दकोशाचा वापर करतात.</li> <li>दिलेल्या विषयावर मुद्द्याच्या आधारे स्वतंत्र लेखन करतात.</li> <li>वसंतऋतूच्या आगमनाने सृष्टीच्या निसर्गसौंदर्यातील बदल समजतात.</li> </ul>	<ul style="list-style-type: none"> <li>कविता तालासुरात म्हणून घेतली.</li> </ul>	
October	१० कुलूप	<ul style="list-style-type: none"> <li>नव्या शब्दांविषयी जिज्ञासा व्यक्त करून त्या शब्दांचे अर्थ जाणून घेण्यासाठी शब्दकोशाचा वापर करतात.</li> <li>दिलेल्या विषयावर मुद्द्याच्या आधारे स्वतंत्र लेखन करतात.</li> <li>लेखकाच्या विनोदी शैलीचा परिचय होणे</li> </ul>	<ul style="list-style-type: none"> <li>तुम्हाला असलेल्या एका छंदाविषयी वर्गात सादरीकरण करणे.</li> </ul>	18
	११ आभाळातल्या पाऊलवाटा	<ul style="list-style-type: none"> <li>पक्षांच्या दुनियेतील होणाऱ्या घडामोडींवर माहिती समजावणे.</li> <li>मराठी भाषेतील विविध साहित्यप्रकार (बातम्या, वृत्तपत्रे, कथा, माहिती देणारे साहित्य, इंटरनेटवर प्रसिद्ध होणारे साहित्य) समजपूर्वक वाचून स्वतःची आवडनिवड सांगतात, मत देतात, सूचना करतात</li> </ul>	<ul style="list-style-type: none"> <li>SEA -2 गुरु आणि शिष्य यांच्यातील प्रसिद्ध असलेल्या गोष्टी पैकी एका गोष्टीचे सादरीकरण करणे.</li> </ul>	

November	१२ पुन्हा एकदा (कविता)	<ul style="list-style-type: none"> <li>नवनिर्माणाचा ध्यास घेतलेल्या मनाच्या भाव स्थितीचे वर्णन प्रस्तुत कवितेत केले आहे</li> <li>कावितेचा भावार्थ व पावसाचे महत्व समजावणे.</li> <li>वसंतऋतूच्या आगमनाने सृष्टीच्या निसर्गसौंदर्यातील बदल समजतात.</li> </ul>	<ul style="list-style-type: none"> <li>कविता तालासुरात म्हणून घेतली.</li> </ul>	19
	१३ तिफन	<ul style="list-style-type: none"> <li>पावसाच्या आगमनाने शेतकऱ्यांच्या कामांच्या लागबगीची माहिती करून घेतात.</li> <li>गीते, समूहगीते, कविता विविध साहित्य प्रकारच्या ध्वनिफिती समजपूर्वक समजतात.</li> </ul>	<ul style="list-style-type: none"> <li>कविता तालासुरात म्हणून घेतली.</li> </ul>	
December	१५ माझे शिक्षक व संस्कार	<ul style="list-style-type: none"> <li>शिक्षकांकडून विद्यार्थ्यांवर घडणाऱ्या संस्कारांचे महत्व समजून घेणे.</li> <li>घटना, प्रसंग यावर आधारित सुसंगत विचार करून त्याबाबत लेखन करतात</li> </ul>	<ul style="list-style-type: none"> <li>शिक्षकांशी संबंधित असलेल्यातुमच्या आठवणी सांगा .</li> </ul>	16
	१६शब्दांचा खेळ	<ul style="list-style-type: none"> <li>विद्यार्थ्यांना हेलेन केलर यांनी आपल्या अपंगत्वाशी सामना देत त्यांनी आपले शिक्षण कसे पूर्ण केले याच्या बदल माहिती घेणे,</li> <li>एखादा विषय लक्षात ठेवण्यासाठी वेगवेगळ्या युक्ती शोधणे.</li> </ul>	<ul style="list-style-type: none"> <li>दिव्यांग मुलांविषयी माहिती सांगा .</li> </ul>	
January	विश्वकोश (स्थूलवाचन)	विश्वकोशाची ओळख होते.	विश्वकोश याचा उपयोग सांगा.	22
	व्याकरण- सराव	निबंधलेखन, पत्रलेखन, कथालेखन, जाहिरात लेखन		
	सराव			
February	Annual Exam			
March	Annual Exam			



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade: IX

Subject: German

Subject Incharge's name: Ms. Meetali Berry

Month	Course Description	Learning Outcome	Activities	No. of Periods
April	1. Allein zu Hause	<ul style="list-style-type: none"> <li>Students will be able to plan any event eb birthday party</li> </ul>	<ul style="list-style-type: none"> <li>Students can make sentences with "wenn", zu+Infinitiv.</li> </ul>	20
June		<ul style="list-style-type: none"> <li>Students will be able to give a suggestion</li> </ul>	<ul style="list-style-type: none"> <li>Students will be able to make sentences with brauchen+.....zu+Infinitiv, während+ Genitiv.</li> </ul>	18
July	2. Wir kaufen nichts	<ul style="list-style-type: none"> <li>Students can make sentences with subordinate clause "um....zu"</li> <li>Student will be able to make sentences with "damit". They will be able to make the texts grammatically correct.</li> </ul>	<ul style="list-style-type: none"> <li>To write a text using "um....zu"</li> </ul>	12
August	2. Wir kaufen nichts	<ul style="list-style-type: none"> <li>To follow a timeline and describe an event</li> <li>To give reasons for one's actions and decisions</li> </ul>	<ul style="list-style-type: none"> <li>To make sentences with "damit".</li> </ul>	9
	3. Das würde ich nie tun	<ul style="list-style-type: none"> <li>Students can frame questions with "Wo(r)" + Preposition.</li> <li>Student can make use of da(r) + preposition.</li> </ul>	<ul style="list-style-type: none"> <li>Framing questions using "Wo (r) + Preposition.</li> <li>Making use of da (r) + Preposition in a sentences.</li> </ul>	10
September	Revision HY SYLLABUS L1, L2 & half L3			

October	3. Das würde ich nie tun	<ul style="list-style-type: none"> <li>• Students can make use of Konjunktiv-II: "würde"+infinitive</li> <li>• To ask for someone's opinion and give one's own opinion</li> <li>• To agree or disagree</li> </ul>	<ul style="list-style-type: none"> <li>• Framing sentences with "würde+ Infinitiv."</li> <li>• Students can write short dialogues making use of the articles and nouns in Genitive</li> </ul>	15
November	4. Hamburg! Wir kommen	<ul style="list-style-type: none"> <li>• Student will know Hamburg.</li> <li>• Students will know how to give tips and suggestion by using Konjunktiv II: sollte+Infinitiv.</li> </ul>	<ul style="list-style-type: none"> <li>• Students will conjugate the verb "sollen" in Konjunktiv II. Will frame tips using sollen.</li> <li>• Subjunctive II: "sollen"</li> </ul>	15
December	4. Hamburg! Wir kommen	<ul style="list-style-type: none"> <li>• Students will be able to tell what is happening simultaneously and chronologically by using "bevor" and "während".</li> </ul>	<ul style="list-style-type: none"> <li>• Writing sentences using "bevor" and "während"</li> </ul>	5
	5. Ende gut alles gut	<ul style="list-style-type: none"> <li>• Students able to give reason.</li> <li>• Students able to make sentences using double sided connector "zwar...aber"</li> </ul>	<ul style="list-style-type: none"> <li>• Causal preposition "wegen"+ Genitive</li> <li>• Double sided connectors: "zwar...aber"</li> </ul>	10
January	5. Ende gut alles gut	<ul style="list-style-type: none"> <li>• They express their likes and dislikes.</li> </ul>	<ul style="list-style-type: none"> <li>• Relative clause: relative pronouns in Nominative, Accusative and Dative</li> </ul>	15
February	Revision <b>ANNUAL SYLLABUS</b>			
March	Exam			



# MIS INTERNATIONAL SCHOOL

## Yearly Planner (2026-27)

Grade: IX

Subject: Social Studies

Teacher's name: Debjani Debsarma

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	Political Science Ch-06  Democracy	<ul style="list-style-type: none"> <li>● Understand the features of democracy</li> <li>● Appreciate early democratic traditions in India and how they influenced modern democracy.</li> <li>● Differentiate between parliamentary and presidential systems.</li> </ul>	<b>Debate</b>	15
June	<u>History Ch.01</u> . Beginnings of Civilisation	<ul style="list-style-type: none"> <li>● Identify examples of both systems across countries, such as India, USA, France, Russia and Canada</li> <li>● Describe how prehistoric time divisions are organized.</li> <li>● Explain how humans lived before the invention of writing.</li> <li>● Understand the beginning of the settled life with development of agriculture and domestication of plants and animals.</li> <li>● Explore the factors of Urban development and transformation through time.</li> <li>● Appreciate the diversity of crafts and trade, and their role the establishment of prosperous economy.</li> <li>● Understand the diversity of food habits.</li> </ul>	Students will be assessed on the following. <ul style="list-style-type: none"> <li>● <b>Inter-Disciplinary Activity:</b> Using an atlas locate the rivers Nile, Tigris, Euphrates and Yellow River. Identify the climatic conditions of these regions. Discuss how fertile soil, availability of water and climate supported agriculture. Connect this with scientific ideas of irrigation and soil fertility. Write a short note explaining how geography influenced the growth of civilization.</li> </ul>	15

June	<u>Political Science</u> Ch07 Elections	<ul style="list-style-type: none"> <li>● Identify factors highlighting importance of election in a democracy.</li> <li>● The student comes to know the Categories three types of electoral systems and list examples.</li> <li>● Identify the major laws that govern the conduct of elections in India.</li> <li>● Describe the main provisions of the Representation of the people Acts.</li> <li>● Define the concept of delimitation and its purpose in the Indian electoral system.</li> </ul> <p>Identify the role and functions Election Commission of India(ECI) in the</p>	<b>Peer assessment</b> <ul style="list-style-type: none"> <li>● assignment questions</li> <li>● short answers questions</li> </ul>	
July& August	PT1 Exam			
	State and Society (upto 1000 CE) (9 Hours)	Vedic Age — geography; texts; rituals; political institutions, and social order <ul style="list-style-type: none"> <li>● Administrative structure of early empires</li> <li>● Quest for knowledge — educational heritage, institutions, knowledge traditions, and cultural practices</li> </ul>	.  Collage making based on heritage sight	20

		<p>C1.3, C2.3, C3.1, C1.4</p> <ul style="list-style-type: none"> <li>• Explain various facets of Vedic society and polity.</li> <li>• Appreciate the achievements of Indian empires and their cultural legacy.</li> <li>• Understand the knowledge traditions and practices of India.</li> <li>• Understand the foundations of the Indian social and political institutions and their continuity.</li> </ul> <p>10</p> <ul style="list-style-type: none"> <li>• Traders and trade routes, guilds and merchants, crafts and industries</li> </ul>		
September	History Ch.05. Resistance and Resilience (1000 CE– 1700 CE) (9 Hours)	<ul style="list-style-type: none"> <li>• C1.3, C1.4, C3.1 • Explain the cultural, political, and military contributions of regional kingdoms in India.</li> <li>• Appreciate how diverse communities and regions shaped India’s history from 1000 CE to 1700 CE.</li> <li>• Explore how regional kingdoms adapted to changing political, economic, and cultural contexts over time.</li> <li>• Analyse the continuity of the civilisational history of India as a nation upto 18th century CE.. Indian Knowledge Systems — Medicine, Mathematics and Astronomy, Medicine, Religion</li> </ul>	assignment questions · short answer questions MCQ	15
September	Half-Yearly Exam			
October	India and the World-I	Trade and commerce — trade with Mesopotamia, Greece,	<ul style="list-style-type: none"> <li>• Through class discussion student should revise the draft as necessary to ensure that it represents them</li> </ul>	6

	<p>(1900 BCE-1200 CE) (8 Hours)</p>	<p>Roman Empire, China and Southeast Asia</p> <ul style="list-style-type: none"> <li>• Cultural Connections — Interactions with Greece and Rome, Central Asia, China, and Influence on South East Asia</li> <li>Indian Knowledge Systems — Medicine, Mathematics and Astronomy, Medicine, Religion</li> <li>C1.2, C1.4, C6.1, C2.3, C9.1</li> <li>• Explore India's relations with early civilisations of the world.</li> <li>• Identify the major articles of trade and the major trading ports.</li> <li>• Appreciate the significant contributions of India in diverse spheres in an integrated manner.</li> <li>• Appreciate the influence of Indian religion and culture, particularly in Southeast Asia.</li> </ul>	<ul style="list-style-type: none"> <li>• lead a discussion to develop consensus on the specific items that will comprise the student voices agenda for this class</li> <li>• assignment questions</li> <li>• short answer questions</li> <li>• At the end teacher will collect answers from the students by asking questions and they will asked to do independent practice in their HW note book.</li> </ul> <p>Assign the design a poster activity which will help students interpret the Trade and commerce ideology.</p>	<p>8</p> <p>15</p>
November	Periodic Test -2			
December & January	<p>Authority (10 Hours)</p>	<p>The Roots of Authority: in Kautilya and shukraniti- danda and relationship with nyaya and bala; the types of nyaya and bala</p> <ul style="list-style-type: none"> <li>• Constitutional status of justice and security since ancient times</li> <li>• Links the role of citizens with the</li> </ul>	<p>Divide students in groups of 10 -share that they have 10 minutes Group discussion</p> <ul style="list-style-type: none"> <li>• At the end teacher will collect answers from the students by asking questions</li> </ul>	20

		<p>elections and the democratic institutions</p> <ul style="list-style-type: none"> <li>• Types of authority — functional, sensitive, and welfare-oriented C5.1, C5.2, C 5.3</li> <li>• Explain the roots of authority in Indian political thought.</li> <li>• Interpret the relationship between Danda (discipline/ force) and Nyaya (justice) as the twin foundations of authority, development, and security.</li> <li>• Trace the evolution of authority structures in India.</li> <li>• Understand the post- independence concept of justice and security.</li> <li>• Illustrate types of authority.</li> <li>• Develop an understanding of citizen discipline, justice, and strength.</li> <li>• Illustrate the role of citizens in authority.</li> </ul>	and they will asked to do independent practice in their HW note book.	
February	Revision	Revision	Revision	Revision
March	Exam			



# MIS INTERNATIONAL SCHOOL

## Yearly Planner (2026-27)

Grade: IX

Subject: Social Studies

Teacher's name: Neerja Wahi

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	Shaping of the Earth's Surface	<ul style="list-style-type: none"> <li>• Describe the concept of plate tectonics and analyse its relevance in understanding Earth's dynamics.</li> <li>• Locate major tectonic plates on a world map.</li> <li>• Explain processes of weathering and erosion with suitable examples.</li> <li>• Identify the prominent agents of gradation operating in a given region.</li> <li>• Describe major landforms and explain the processes involved in their formation.</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Introduction Activity</b> Start with a brainstorming session:</li> <li>➤ <b>Plate Tectonics Simulation</b>  <b>Concept:., faulting Folding</b></li> <li>➤ Use foam sheets or cardboard pieces to demonstrate plate movement.</li> <li>➤ Show formation of mountains like Himalayas</li> <li>➤ <b>Role-play:</b> students act as tectonic plates colliding, diverging, sliding.</li> <li>➤ <b>Map Work &amp; Case Study.</b></li> </ul>	
June	Building Blocks in Economics	<ul style="list-style-type: none"> <li>• Explain the meaning of scarcity, choice, and opportunity cost in everyday life, and economic decision-making.</li> <li>• Describe what economists do and how they study production, distribution, and consumption</li> </ul>	<ul style="list-style-type: none"> <li>➤ Warm-Up – Needs vs Wants</li> <li>➤ Factors of Production Role Play</li> <li>➤ Mini Market Activity</li> <li>➤ Reflection &amp; Discussion</li> <li>➤ Creative Reinforcement</li> <li>➤ PPT Slides</li> </ul>	14

		<p>of goods and services.</p> <ul style="list-style-type: none"> <li>• Recognise how economic analysis helps in policy-making and solving real-world issues.</li> <li>• Describe the three central problems of an economy — what to produce, how to produce, and for whom to produce.</li> <li>• Identify and differentiate the characteristics of planned, free market, and mixed economic systems.</li> <li>• Explain the concept of a welfare economy and the importance of social safety nets</li> </ul>		
July	PT1 Exam			
	Understanding Social Science	<ul style="list-style-type: none"> <li>• Explain the relevance of studying Social Science to understand society, environment, economy, and governance in our lives.</li> <li>• Explain the meaning and scope of Geography, History, Political Science, and Economics as disciplines and recognise their interconnections.</li> <li>• Appreciate diversity, inclusivity, sustainability, and equity as guiding values when studying society and making</li> </ul>	<ul style="list-style-type: none"> <li>➤ Icebreaker – What is Social Science?</li> <li>➤ Role Play / Skit</li> <li>➤ Reflection</li> <li>➤ Optional Creative Task: Poster making “Social Science in daily Life”.</li> </ul>	8

		decisions.		
August	The Price Puzzle: What Drives the Market	<ul style="list-style-type: none"> <li>• Explain the Law of Demand and Law of Supply with the help of real life examples.</li> <li>• Interpret how changes in price affect the quantity demanded and quantity supplied of goods and services.</li> <li>• Identify the equilibrium price and quantity where demand and supply intersect.</li> <li>• Analyse how changes in market conditions (e.g., increase in demand or supply) lead to surplus or shortage and affect equilibrium.</li> <li>• Explain the concept of price ceilings and how they can lead to shortages or black markets.</li> <li>• Understand market failures and identify their main types.</li> <li>• Understand public goods (non-excludable and non-rival goods like parks or street lighting</li> </ul>	<ul style="list-style-type: none"> <li>➤ The “Puzzle” Itself</li> <li>➤ Market Psychology</li> </ul>	16
September	Half-Yearly Exam			
October	• Oceans and Life	<ul style="list-style-type: none"> <li>➤ Explain the movement of ocean waters, including waves, tides, and currents.</li> <li>➤ Analyse the connections between ocean currents, and</li> </ul>	<ul style="list-style-type: none"> <li>➤ Group Formation</li> <li>➤ Each group presents their chart.</li> </ul>	6

		<p>global and regional climate patterns.</p> <ul style="list-style-type: none"> <li>➤ Understand the importance of marine resources for human livelihoods and ecosystems.</li> <li>➤ Examine the relationship between oceans, climate, livelihoods, and natural disasters.</li> <li>➤ Highlight key rules, conventions, and international agreements governing ocean navigation. and the use of marine resources.</li> <li>➤ Explain the need for international cooperation and agreements in the sustainable use of ocean resources.</li> <li>➤ Construct models or sketches representing ocean relief</li> </ul>		
November				
December	From Ideas to Startups	<p>What is entrepreneurship and explain the resources required to start a business</p> <ul style="list-style-type: none"> <li>➤ Case studies of successful entrepreneurs</li> <li>➤ Creative destruction with examples</li> <li>➤ Start-up ecosystem in India.</li> <li>➤ Make in India initiative, role of MSMEs and the unorganised sector in India's economic growth.</li> <li>➤ Stages of starting and executing a business idea through a business plan</li> </ul>	<ul style="list-style-type: none"> <li>➤ Encourage creativity (tagline, slogan, logo ideas).</li> <li>➤ Optional Twist:</li> <li>➤ Introduce a "Judge Panel</li> <li>➤ ICT Integration:</li> </ul>	<p>16</p> <p>10</p>

		➤ Some basic accounting concepts		
January	Life on Earth	<p>Identify the major biomes of the world and describe their key climatic conditions, characteristic flora, and fauna.</p> <ul style="list-style-type: none"> <li>➤ Locate biosphere reserves on the map of India.</li> <li>➤ Appreciate local traditional practices related to biodiversity conservation and analyse their effects.</li> <li>➤ Explain the concept and importance of biosphere reserves in conserving ecosystems and biodiversity.</li> <li>➤ Analyse the concept of ecotourism and discuss its role in promoting sustainable forest ecosystem and conservation.</li> <li>➤ Investigate the causes of forest fires in the local area, and prepare a plan for mitigation and prevention.</li> </ul>	Sorting + Group Work + Presentation	14
	Smart Ways to Manage Your Finances	<ul style="list-style-type: none"> <li>➤ Explain what personal financial management means and why it is essential in everyday life.</li> <li>➤ Recognise how managing income, spending, saving, and investment helps achieve financial stability and long-term goals.</li> <li>➤ Explain the difference between simple interest and compound interest.</li> <li>➤ Prepare a simple personal or family budget showing income, expenditure, and savings.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Group Work</li> <li>➤ Budget Simulation</li> </ul>	12

		<ul style="list-style-type: none"><li>➤ Identify various savings and investment instruments.</li><li>➤ Understand the relationship between risk and return in different investment types.</li><li>➤ Understand the concept of income tax and why citizens are required to pay it.</li></ul>		
February				Revision
March	Exam			



# MIS INTERNATIONAL SCHOOL

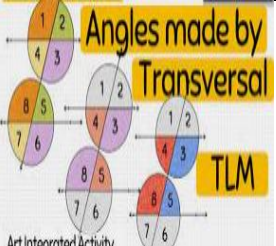
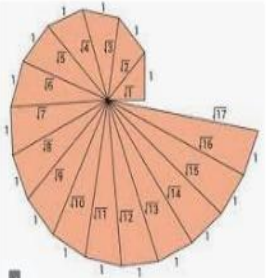
## Yearly Planner (2026-27)

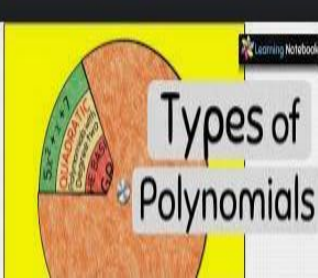
Grade: IX

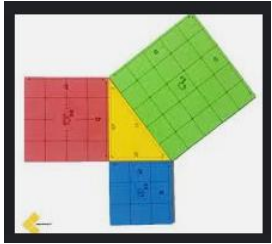
Subject: Mathematics

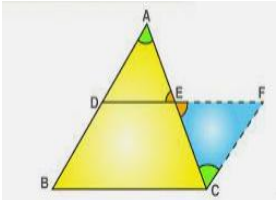
Teacher's name: Shweta Mishra

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<p><b>Orienting Yourself: The use of Coordinate –</b></p> <ul style="list-style-type: none"> <li>Brief history of coordinate geometry</li> <li>The 2-D Cartesian coordinate system</li> <li>Distance between two points in the 2-D plane • Midpoint of the line segment between two points in the 2-D plane</li> </ul>	<p>The students will be able to:</p> <ul style="list-style-type: none"> <li>Specify locations and the position of one point relative to another point using coordinates.</li> <li>Represent a floor plan on a grid using coordinates.</li> <li>Compute the distance between two points using coordinates.</li> <li>Determine whether three points lie in a straight line using coordinates.               <ul style="list-style-type: none"> <li>Compute the position of the midpoint of a line segment using coordinates.</li> </ul> </li> <li>Check whether a triangle is right angled using coordinates.</li> <li>Apply computational thinking to model situations on the coordinate plane and verify geometric properties through systematic reasoning.</li> </ul> <p>The students will be able to:</p> <ul style="list-style-type: none"> <li>Explain the notion of an angle.</li> <li>Explain the notion of a ray.</li> <li>Explain that angles are formed between two rays with a common starting point.</li> </ul>	<p>To find hidden picture by plotting and joining the various points with given coordinate in a plane.</p> <p>To make plan of any one of the infrastructure or building. Eg School, Hospital, Garden etc</p>	10

	<p><b>Lines and Angles –</b>  Rays and angles • Measures of angles • Intersecting lines and angles • Pairs of angles • Theorems and examples on intersecting lines • Theorems and examples on parallel lines</p>	<ul style="list-style-type: none"> <li>• State that a straight angle equals two right angles and measures <math>180^\circ</math> while a right angle measures <math>90^\circ</math>.</li> <li>• Classify angles as acute, right, obtuse, or reflex.</li> <li>• Define parallelism.</li> <li>• State and apply the linear pair theorem and its converse.</li> <li>• Follow proof by contradiction in geometry.</li> <li>• Prove that vertically opposite angles are equal.</li> <li>• Identify corresponding, alternate, and interior angles.</li> <li>• Explain transitivity of parallelism.</li> <li>• Explain why a triangle must have at least two acute angles; why it cannot have two obtuse angles, or all three angles less than <math>60^\circ</math></li> <li>• Apply computational thinking to analyse geometric ideas by breaking constructions into ordered steps, using axioms and postulates as rules, and justifying geometric results through logical step-by-step reasoning.</li> </ul>	 <p>Lab- Parallel lines and transversal activity</p>	
<p><b>June</b></p>	<p><b>The world of Numbers</b>  Introduction to rational numbers</p> <ul style="list-style-type: none"> <li>• Representation of rational numbers on the number line</li> <li>• Density of rational numbers and its proof</li> <li>• Finding rational numbers between any two rational numbers</li> <li>• Decimal representation of rational numbers</li> <li>• Introduction to irrational</li> </ul>	<p>The students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of a rational number.</li> <li>• Represent rational numbers on the number line.</li> <li>• Understand the properties of rational numbers.</li> <li>• Explain the concept of density of rational numbers.</li> <li>• Compute decimal representation of rational numbers.</li> <li>• Understand the concept of irrational numbers.</li> <li>• Prove the irrationality.</li> </ul>	<p><b>Object:</b> To construct square root spiral  SEA 1:</p> 	<p>16</p>

	<p>numbers</p> <ul style="list-style-type: none"> <li>• Proof of irrationality of <math>\sqrt{2}</math> and <math>\sqrt{3}</math></li> <li>• The square root spiral</li> </ul> <p><b>The Mathematics of Maybe: Introduction to Probability:</b></p> <p>Concept of probability and randomness • The probability scale</p> <ul style="list-style-type: none"> <li>• Empirical probability: analysing statistical data and performing experiments</li> <li>• Theoretical probability: sample space and events</li> <li>• Representing probability through tree diagrams and tables</li> </ul>	<ul style="list-style-type: none"> <li>• Construct the square root spiral.</li> <li>• Apply computational thinking to represent rational and irrational</li> </ul> <p>The students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of randomness.</li> <li>• Describe the likelihood of an event using the probability scale.</li> <li>• Estimate the empirical probability of the occurrence of an event by analysing statistical data.</li> <li>• Define theoretical probability of an event.</li> <li>• Apply the definition of theoretical probability to compute the probability of an event.</li> <li>• Compute probability of events with the help of tree diagrams and tables.</li> <li>• Use computational thinking strategies, such as pattern recognition and simulation, to model random experiments and estimate probabilities</li> </ul>		
<p><b>July</b></p>	<p><b>Introduction to Linear Polynomials – Algebraic expressions</b></p> <ul style="list-style-type: none"> <li>• Definition of a polynomial.</li> <li>• Degree of a polynomial</li> <li>• Introduction to linear polynomials and applications</li> <li>• Exploring linear patterns <ul style="list-style-type: none"> <li>• Modelling linear growth and linear decay</li> </ul> </li> <li>• Linear relationships</li> <li>• Visualising linear relationships</li> <li>• Slope and y-intercept of a line <math>y = ax + b</math></li> </ul>	<p>The students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the meaning of an algebraic expression.</li> <li>• Define a polynomial.</li> <li>• Identify the degree, terms and coefficients of terms in a polynomial.</li> <li>• Model linear growth and decay using linear polynomials. • Explain and identify patterns in linear relationships.</li> <li>• Identify the slope and y-intercept of a linear equation in two variables.</li> <li>• Graph a linear equation in two variables.</li> <li>• Use computational thinking to identify patterns, construct linear expressions, and systematically represent and analyse linear relationships using</li> </ul>	<p>Types of Polynomials working Model</p> 	<p>10</p>

		equations and graphs.		
<b>August</b>	<p><b>Exploring Algebraic Identities:</b> Revisiting algebraic identities</p> <ul style="list-style-type: none"> <li>• Visualising identities using geometrical models</li> <li>• Factorisation of algebraic expressions using identities</li> <li>• More identities and their applications</li> <li>• Visualising factorisation of quadratic expressions through algebra tiles and without using algebra tiles</li> <li>• Finding new identities</li> <li>• Simplifying rational expressions</li> </ul>	<p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Visualise algebraic identities using geometric models.</li> <li>• Determine the factors of algebraic expressions using identities.</li> <li>• Interpret factors of quadratic expressions through geometric models.</li> <li>• Find simplified versions of rational expressions.</li> <li>• Use computational thinking strategies, such as decomposition and step-bystep procedures to visualise algebraic identities, factor expressions, and simplify rational expressions.</li> </ul>		18
<b>August</b>	<p><b>Triangle Congruence Theorems –</b> Practical applications of triangles</p> <ul style="list-style-type: none"> <li>• Proofs of conditions of congruence of triangles</li> <li>• Theorems on triangles</li> <li>• Propositions and their converse</li> <li>• Problems based on applications of theorems on triangles</li> </ul>	<p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Explain that a triangle is rigid, unlike a quadrilateral.</li> <li>• Identify uses of triangle rigidity.</li> <li>• Explain why triangles give strength and stability to structures.</li> <li>• Describe what it means for two triangles to be congruent.</li> <li>• Identify correspondence between the vertices, sides, and angles of two congruent triangles.</li> <li>• Use the SAS congruence axiom.</li> <li>• Use the SSS congruence condition.</li> <li>• Use the ASA congruence condition.</li> <li>• Use the RHS congruence condition.</li> <li>• Use the AAS congruence condition.</li> <li>• Prove the basic properties of isosceles triangles.</li> <li>• Explain the notion of a proposition.</li> <li>• Explain the notion of converse of a proposition.</li> <li>• Identify the converse of a given proposition.</li> <li>• Explain that not all converses are true; use counter examples to show that some converses are false.</li> <li>• Explain why SSA is not, in general, a valid congruence condition.</li> <li>• Identify the situations where SSA is a valid congruence condition.</li> <li>• Justify the role of diagram accuracy.</li> </ul>	<p>Lab activity: Verify the Pythagoras theorem</p> 	16

<p><b>September</b></p>	<p><b>Predicting What Comes Next: Exploring Sequences and Progressions –</b></p> <ul style="list-style-type: none"> <li>• Introduction to sequences</li> <li>• Explicit or general rule of a sequence</li> <li>• Recursive rule of a sequence</li> <li>• Arithmetic Progressions</li> <li>• (AP): nth term, visualising an AP, and practical contexts leading to Aps</li> <li>• Sum of the first n natural numbers</li> <li>• Geometric Progressions (GP): nth term, visualising a GP, and practical contexts leading to GPs</li> <li>• Applications of GP in fractals</li> <li>• Tower of Hanoi puzzle</li> </ul>	<p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of a sequence of numbers.</li> <li>• Identify the pattern in a sequence and predict the next few terms.</li> <li>• Determine the recursive and explicit rules for different sequences.</li> <li>• Obtain the terms of sequence given its recursive and explicit rule.</li> <li>• Identify Arithmetic Progressions (AP).</li> <li>• Determine the nth term of an AP.</li> <li>• Visualise an AP graphically.</li> <li>• Identify Geometric Progressions (GP).</li> <li>• Determine the nth term of a GP.</li> <li>• Visualise a GP graphically.</li> <li>• Analyse attributes of fractals using GP.</li> <li>• Solve the Tower of Hanoi puzzle.</li> <li>• Use computational thinking to identify patterns, write step-by-step rules, and model patterns in sequences and progressions.</li> </ul>	<p>Pattern discovery activity, Tower of Hanoi game demonstration</p>	<p>16</p>
<p><b>October</b></p>	<p><b>Quadrilaterals –</b> Properties of parallelograms</p> <ul style="list-style-type: none"> <li>• Important theorems related to parallelograms and their proof</li> <li>• Midpoint theorem and its applications</li> <li>• Understanding the notion of central symmetry in the context of parallelograms</li> </ul>	<p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Frame a precise definition of a 4-gon.</li> <li>• Prove various characterizations of a parallelogram.</li> <li>• Prove the midpoint theorem.</li> <li>• Prove a converse of the midpoint theorem.</li> <li>• Prove that the medians of a triangle are concurrent and each median is divided in the ratio 2:1 at the point of concurrence.</li> <li>• Prove that the 4-gon formed by joining the midpoints of a given 4-gon is a parallelogram.</li> <li>• Find the coordinates of the midpoint of a line segment given its end points and find the coordinates of the fourth vertex of a parallelogram given the other three.</li> <li>• Understand reflection and rotation symmetries of 4-gons.</li> <li>• Understand how any 4-gon can tile a plane.</li> <li>• Practice forming logical converses of statements and asking questions guided by converses of theorems.</li> <li>• Engage in drawing, measurement and paper</li> </ul>	<p>To verify the midpoint theorem</p>  <p>Geometry drawing activity, midpoint theorem verification</p>	<p>16</p>

	<p><b>Introduction to Euclid’s Geometry</b> History of geometry</p> <ul style="list-style-type: none"> <li>• Constructing a square with a given side as described in the Baudhayana’s Sulbasutras</li> <li>• Discovering Euclid’s definitions <ul style="list-style-type: none"> <li>• Axioms: Axioms of measurement and rules for geometric objects</li> </ul> </li> </ul>	<p>manipulation activities to discover geometric patterns involving triangles and 4-gons.</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Describe how geometry grew from the practical needs ancient civilisations.</li> <li>• Describe contributions of India, Egypt and Greece to the development of geometric ideas. <ul style="list-style-type: none"> <li>• Understand the role of definitions, axioms, and postulates.</li> </ul> </li> <li>• Explain that there are elements of plane geometry (point, line, surface) for which we have an intuitive sense. <ul style="list-style-type: none"> <li>• State the 5 postulates of Euclidean geometry.</li> <li>• Define parallelism of straight lines.</li> <li>• Explain the construction of a square as given in the Sulbasutras.</li> </ul> </li> <li>• Justify simple constructions using the axioms.</li> </ul>	<p>using paper folding</p>	
<p><b>October – November</b></p>	<p><b>I’m Up and Down, and Round and Round</b> – Practical applications and uses of circles</p> <ul style="list-style-type: none"> <li>• Definitions related to a circle — centre, diameter, and radius</li> <li>• Chords and the angles they subtend</li> <li>• Midpoints and perpendicular bisectors of chords</li> <li>• Distance of chords from the centre</li> <li>• Subtended angles by an arc</li> <li>• Cyclicity of points</li> </ul>	<p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• State the definition of a circle. • Explain the meanings of the terms ‘chord’, ‘diameter’, ‘radius’, ‘arc’, ‘segment’, and ‘sector’.</li> <li>• Explain why there exists a unique circle through three non-collinear points.</li> <li>• Construct the circumcircle and circumcentre of a triangle. • Describe the location of the circumcentre for acute, obtuse, and right-angled triangles.</li> <li>• Explain what ‘angle subtended by an arc at the centre’ means.</li> <li>• Explain why ‘equal chords subtend equal angles at the centre’. • Explain why ‘chords that subtend equal angles at the centre are equal’.</li> <li>• Explain why ‘the line from the centre of a circle to the midpoint of a chord is perpendicular to the chord’.</li> <li>• Explain why ‘a perpendicular from the centre to a chord bisects the chord’.</li> <li>• State the relationship between length of a chord and its distance from the centre of the circle.</li> <li>• Explain why ‘equal chords are equidistant from</li> </ul>	<p>Construct circle properties using compass, chord exploration activity</p>	<p>16</p>

		<p>the centre (and conversely)’.  <ul style="list-style-type: none"> <li>• Explain why ‘among unequal chords, the longer chord is closer to the centre’.</li> <li>• Explain why ‘the diameter is the longest chord’.</li> <li>• Explain why ‘the angle subtended by an arc at the centre is double the angle subtended by the arc at any point on the remaining part of the circle’.</li> <li>• Explain why ‘angles in the same segment of a circle are equal’.</li> <li>• Explain why ‘the angle in a semicircle is a right angle’.</li> <li>• Determine when four given points are concyclic.</li> <li>• Explain why ‘a quadrilateral with supplementary opposite angles is cyclic, and conversely’.</li> <li>• Explain how circular wheels have influenced transport, farming, building, and technology.</li> <li>• Identify cultural motifs involving circles, for example, the Dharmachakra, Ashoka Chakra, Sudarshan Chakra.</li> <li>• Use computational thinking to break down circle-related problems, apply geometric rules step-by-step, and verify properties of figures, such as chords, angles, and cyclic quadrilaterals through systematic reasoning.</li> </ul> </p>		
<p><b>November</b></p>	<p><b>Linear Equations in Two Variables</b> – Introduction to linear equations in two variables through practical examples  <ul style="list-style-type: none"> <li>• Solution of linear equation in two variables: graphical representation</li> <li>• Slope-intercept form of linear equation in two variables</li> <li>• Drawing graphs of linear equations when x and y assume only certain values</li> <li>• Pair of linear equations in two variables <ul style="list-style-type: none"> <li>• Graphical method for solving a pair of linear equations in two variables</li> </ul> </li> <li>• Nature of solutions: consistency and inconsistency</li> <li>• Algebraic methods of solving a pair of linear equations: substitution and</li> </ul> </p>	<p>The student will be able to:  <ul style="list-style-type: none"> <li>• Understand the concept of a linear equation in two variables.</li> <li>• Graph a pair of linear equations.</li> <li>• Solve a pair of linear equations graphically.</li> <li>• Solve a pair of linear equations through the methods of substitution and elimination.</li> <li>• Determine the nature of solutions of a pair of linear equations.</li> <li>• Model and solve contextualised problems using a pair of linear equations and draw conclusions. <ul style="list-style-type: none"> <li>• Model daily-life phenomena using representations, such as graphs, tables, and equations.</li> </ul> </li> <li>• Use computational thinking to systematically represent, solve, and interpret pairs of linear equations through graphs, tables, and step-by-step procedures.</li> </ul> </p>	<p>Graph plotting using graph paper, pair equation solving activity</p>	<p>18</p>

	elimination method			
<b>December</b>	<p><b>Measuring Space: Perimeter and Area –</b></p> <ul style="list-style-type: none"> <li>• Perimeter of shapes</li> <li>• Perimeter of a circle: Introduction to Pi and its irrationality</li> <li>• Length of an arc</li> <li>• Area of shapes: rectangles, parallelograms, and triangles</li> <li>• Heron's formula</li> <li>• Squaring a rectangle: Proof from Baudhayana's Sulbasutras</li> <li>• Area of a circle: derivation</li> <li>• Area of the sector of a circle <ul style="list-style-type: none"> <li>• Brahmagupta's formula for area of a cyclic 4-gon</li> </ul> </li> <li>• Heron's formula as a special case of Brahmagupta's formula</li> </ul>	<p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Define perimeter as the length around the boundary of any shape.</li> <li>• Explain that the circumference-to-diameter ratio is constant for all circles.</li> <li>• List historical approximations to <math>\pi</math> (from Archimedes, Aryabhata, and Zu Chongzhi). <ul style="list-style-type: none"> <li>• Compute the circumference of a circle and the length of an arc.</li> </ul> </li> <li>• Apply ideas of circle perimeter and arclength to real-world contexts.</li> <li>• Explain why a median of a triangle divides it into two triangles of equal area.</li> <li>• Use Heron's formula to compute the area of a triangle from its sides.</li> <li>• Explain the classical problem of 'squaring' a given shape.</li> <li>• Explain how ancient civilisations approximated the area of a circle.</li> <li>• Compute the area of a circle using the formula.</li> <li>• Explain and use the formula for area of a sector of a circle. <ul style="list-style-type: none"> <li>• Solve problems on areas of sectors and segments of circles.</li> <li>• State Brahmagupta's formula for the area of a cyclic quadrilateral in terms of its sides.</li> <li>• Explain why Heron's formula is a 'special case' of Brahmagupta's formula.</li> <li>• Explain the notion of 'special case' and 'generalisation' in mathematics.</li> </ul> </li> <li>• Use computational thinking to break down shapes, apply step-by-step methods to calculate perimeter and area, recognise patterns across formulae, and understand generalisation and special cases in geometry.</li> </ul>	Measuring classroom objects, area calculation project	16
<b>January</b>	<p><b>Mensuration : Surface Area and Volume</b></p> <p>Surface areas and volumes of spheres (including hemispheres) and right circular cones.</p>	<p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Recognise cuboids and cubes in real-life situations</li> <li>• Compute the surface area and volume of a cuboid.</li> <li>• Explain how a cube is a 'special case' of a cuboid.</li> <li>• Describe a right circular cylinder using its radius</li> </ul>	Model making using paper cones and spheres	14

	<p><b>Statistics</b> Graphical representation of data • Measures of central tendency</p>	<p>and height.</p> <ul style="list-style-type: none"> <li>• Compute the surface area and volume of a cylinder.</li> <li>• Recognise cones in daily life, and describe them using radius and height</li> <li>• Compute the surface area and volume of a cone.</li> <li>• Recognise a pyramid, and identify its base and apex.</li> <li>• Compute the surface area and volume of a pyramid.</li> <li>• Recognise spheres in real-life situations.</li> <li>• Compute the surface area and volume of a sphere.</li> <li>• Use computational thinking to systematically calculate, and compare surface areas and volumes of 3-D shapes by varying dimensions and analysing patterns.</li> </ul> <p>The student will be able to:</p> <ul style="list-style-type: none"> <li>• Collect, organise, visualise and interpret data to answer a statistical investigative question.</li> <li>• Compute and apply weighted average in different settings.</li> <li>• Read and interpret stacked bar graphs and 100% stacked bar graphs.</li> <li>• Apply computational thinking strategies to analyse real-life data, create appropriate graphical representations, and interpret mean, median and mode for decision-making.</li> </ul>		
<b>February</b>	<b>Revision</b>	<b>Revision</b>	<b>Revision</b>	
<b>March</b>	Annual Exam			

**Note:** PT 1 includes chapters . 1,2,3,4

Half yearly includes chapters -1,2,3,4,5 ,6,7

PT2 includes chapters 1,2,3,4,5,6,7,8,9,10,11

Annual includes chapters -ALL



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade: IX

Subject: Science

Teacher's name: Ms. Poonam Gill / Ms. Snehal

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	Chapter 4, Describing Motion around us.  Chapter 5 Exploring mixture and separations	<ul style="list-style-type: none"><li>• Understand that rest and motion are relative</li><li>• Understand and evaluate the numerical value of different quantities and also associate it with their units.</li><li>• Understand and evaluate speed, acceleration and distance from various graphs.</li><li>• Evaluate speed in circular motion</li><li>• Represent motion of given situation in graphical manner</li><li>• Analyse the difference between evaporation and boiling. Explain terms related:- melting , freezing ,boiling, filtration Condensation, and</li></ul>	<ul style="list-style-type: none"><li>• Recognition of the apparatus in the lab.</li><li>• Demonstrations of motion concepts experimentally</li><li>• Numericals based on motion</li> <li>• To prepare a true solution, suspension and colloid and differentiate them on the basis of transparency, stability and filtration criteria.</li> <li>• Numericals based on Concentration</li></ul>	10

June		sublimation		
	Chapter 2. Cell: The building block Life	<p><b>Learners will be able to-</b></p> <ul style="list-style-type: none"> <li>Analyze the history behind discovery of cells</li> <li>Interpret the importance of types of cells</li> <li>Differentiate between prokaryotic and eukaryotic cell</li> <li>Explain the structure and functions of plasma membrane</li> <li>Explain the structure and functions of different organelles</li> <li>Differentiate between diffusion and osmosis with daily based examples</li> </ul>	<ul style="list-style-type: none"> <li>To prepare stained temporary mounts of:</li> <li>(a) onion peel and (b) human cheek cells and to record observations and draw their labeled diagrams.</li> </ul>	13
	Chapter 5 Exploring mixture and separations	<ul style="list-style-type: none"> <li>Classify mixtures as homogeneous and heterogeneous mixtures</li> <li>Analyse the differences in physical and chemical changes</li> <li>Analyse the characteristics of true solution and various types of true solution</li> <li>Classify solutions as true solution, suspension and colloid on the basis of properties shown by them</li> </ul> <p>Explain Tyndall effect</p>	<ul style="list-style-type: none"> <li></li> </ul>	8

		with examples from day today life.		
July	Chapter8-Journey inside the atoms	<ul style="list-style-type: none"> <li>• State the laws of chemical combination.</li> <li>• Analyse the importance and interdependence of both the laws.</li> <li>• Give explanation to the postulates of dalton's atomic theory.</li> <li>• Differentiate between an atom and a molecule.</li> <li>• Write atomicity for similar and dissimilar elements.</li> <li>• Define unified mass, relative atomic mass and give reason for the use of c-12 as standard for atomic mass.</li> <li>• Comprehend the constituting elements in a compound and their combination on the basis of their mass ratios.</li> </ul>	<ul style="list-style-type: none"> <li>• To verify the law of conservation of mass.</li> <li>• Revision of numericals on laws of chemical combination.</li> <li>• To verify the law of conservation of mass.</li> <li>• Revision of numericals on laws of chemical combination.</li> </ul>	10
	Chapter 3. Tissues in Action	<ul style="list-style-type: none"> <li>• Interpret various types of tissues.</li> <li>• Differentiate between meristematic and permanent tissues.</li> <li>• Locate different tissues in the plant body.</li> <li>• Locate various animal tissues in the living organisms.</li> </ul>	<ul style="list-style-type: none"> <li>• Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Drawing of their labeled diagrams.</li> </ul>	12

		<ul style="list-style-type: none"> <li>• Correlate various animal tissues and their functions.</li> </ul>		
August	Chapter 6. How forces affect motion	<ul style="list-style-type: none"> <li>• Differentiate between balanced and unbalanced forces</li> <li>• Evaluate the numerical value of force and momentum.</li> <li>• Explain the laws of motion in various situations.</li> <li>• Calculate change in momentum in different situations</li> </ul>	<ul style="list-style-type: none"> <li>• To demonstrate the inertia of rest of a coin.</li> <li>• To study Newton's third law of motion.</li> </ul>	10
September	Chapter 11 Reproduction: How life continues	<p>The Learners will be able to Understand the importance of reproduction. Describe asexual and sexual reproduction in animals</p> <p><b>C</b>lassify reproduction based on properties/ characteristics, e.g. sexual and asexual reproduction</p> <p>Describe sexual reproduction in humans Draw labelled diagram of human reproductive organs Understand metamorphosis in frog</p>	<ul style="list-style-type: none"> <li>• Find out the concerns of community regarding low female to male ratio even after having equal chances of both. Also write about amniocentesis technique and why its use for sex determination banned in India?</li> <li>• Prepare a model of Life Cycle of a Butterfly.</li> </ul>	13

	Chapter 9-Atomic foundation of matter.	<p>and butterfly.          Know about determination of sex of the baby          List hormones and endocrine glands          Understand about adolescence, puberty and changes at puberty</p> <ul style="list-style-type: none"> <li>• Difference between internal fertilization and external fertilization.</li> </ul> <p>Distinguish between oviparous and viviparous organisms.</p> <ul style="list-style-type: none"> <li>• State the laws of chemical combination.</li> <li>• Analyse the importance and interdependence of both the laws.</li> <li>• Give explanation to the postulates of dalton's atomic theory.</li> </ul>	<ul style="list-style-type: none"> <li>• Students can draw and label the structure of an atom, showing the nucleus and the arrangement of electrons. This activity helps them visualize atomic structure. They can create models of atoms using materials such as beads, balls, or paper to represent protons, neutrons, and electrons. This helps in better understanding of atomic composition.</li> </ul>	12
<b>Revision + Term 1 Exams</b>				
October	Chapter 9-Atomic foundation of matter.	<ul style="list-style-type: none"> <li>• Differentiate between an atom and a molecule.</li> <li>• Write atomicity for similar and dissimilar elements.</li> <li>• Define unified mass, relative atomic mass and give reason for the use</li> </ul>	<ul style="list-style-type: none"> <li>• Making a chart of first 20 elements of the periodic table</li> <li>• Making models of atoms of different elements</li> <li>• Revision of numericals on mole concept.</li> </ul>	10

		<p>of c-12 as standard</p> <ul style="list-style-type: none"> <li>• Apply the concept of mole in terms of mass and number of particles</li> <li>• Differentiate between an atom and an ion.</li> <li>• Define and write examples of cations, anions and polyatomic ions.</li> <li>• Calculate the molecular mass and molar mass.</li> </ul>		
	<p>Chapter 12 Pattern in Life; Diversity and Classification</p>	<ul style="list-style-type: none"> <li>• understand the concept and importance of diversity</li> <li>• explain the method of classification</li> <li>• classify organisms into various groups on the basis of five kingdom classification</li> <li>• correlate different plant groups</li> <li>• place various animals in groups</li> <li>• correlate and</li> </ul>	<ul style="list-style-type: none"> <li>• Study of the characteristics of Spirogyra / Agaricus, Moss / Fern, Pinus (either with male or female cones) and an Angiospermic plant. Draw and provide two identifying features of the groups they belong to.</li> <li>• Study of the external features of root, stem, leaf and flower of monocot and dicot plants.</li> <li>• Classify plants depending on their ability to bear seeds and if seeds are enclosed within fruits to gain the skills of classification of</li> </ul>	<p>12</p>

		<p>compare between features of different types of organisms</p> <ul style="list-style-type: none"> <li>• understand the concept of binomial nomenclature</li> </ul>	<p>species.</p> <ul style="list-style-type: none"> <li>• Observing the given pictures / charts / models of earthworm, cockroach, bony fish and bird.</li> </ul> <p>For each organism, drawing of their picture and recording:</p> <p>a) one specific feature of its phylum.</p> <ul style="list-style-type: none"> <li>• b) one adaptive feature with reference to its habitat.</li> </ul>	
November	Chapter 7. Work, Energy and Machines	<ul style="list-style-type: none"> <li>• Understand the meaning of work according to science</li> <li>• Comprehend various examples showing transformation of energy.</li> <li>• Derive expression of KE and PE.</li> <li>• Understand different types of energy.</li> </ul>	<ul style="list-style-type: none"> <li>• To establish the relation between the loss in weight of a solid when fully immersed in (a) tap water (b) strongly salty water, with the weight of water displaced by it by taking at least two different solids</li> </ul>	10
December	Chapter 13. Earth as a system energy matter	<ul style="list-style-type: none"> <li>• Students will develop an understanding that the Earth is an open system with respect to energy but largely a closed system with respect to matter.</li> <li>• Additionally, they will be able to analyze the</li> </ul>	<ul style="list-style-type: none"> <li>• Creating a concept map is another useful activity where students link ideas like energy flow, matter cycles, and Earth's spheres to understand the system as a whole.</li> <li>• students can observe their local environment to identify</li> </ul>	10

		<p>impact of human activities on the Earth system and develop awareness about environmental issues such as pollution and climate change.</p>	<p>interactions between soil, water, air, and living organisms, helping them connect theoretical knowledge with real-life situations.</p>	
<p>January</p>	<p>Chapter 13. Earth as a system energy matter</p> <p>Chapter 11. Sound Waves characteristics and applications</p>	<ul style="list-style-type: none"> <li>• Students will be able to explain that the Sun is the primary source of energy for the Earth. This solar energy drives important processes such as weather, climate, and the water cycle.</li> <li>• They will also understand how energy flows through the Earth system, entering mainly from the Sun and leaving as heat into space. In contrast, matter does not leave the Earth system but is continuously recycled through natural cycles like the water cycle and carbon cycle.</li> <li>• Understand how the sound is produced and propagated</li> <li>• Understand different types of waves and their characteristics</li> </ul>	<ul style="list-style-type: none"> <li>• They can perform a simple experiment using a lamp to represent the Sun and observe how heat energy is absorbed and reflected by different surfaces. This demonstrates how solar energy affects the Earth.</li> <li>• Another activity involves creating a model of the water cycle using a bowl of water and a plastic cover placed under sunlight. Students can observe evaporation and condensation, which shows how water moves through the Earth system.</li> <li>• To determine velocity of a pulse propagated through a stretched string/slinky</li> <li>• To verify laws of reflection of sound</li> </ul>	<p>9</p>

		<ul style="list-style-type: none"> <li>• Know about condition that is required for echo to take place</li> <li>• Understand the concept of ultrasound</li> <li>• List the applications of ultrasound</li> <li>• Calculate the distance using the concept of sonar</li> <li>• Explain working of human ear <ul style="list-style-type: none"> <li>• MCQs + diagram labeling</li> <li>• Case-based questions (SONAR, ultrasound)</li> <li>• Practical activity evaluation</li> </ul> </li> </ul>		
February	Revision			
March	Annual Exams			

<b>Syllabus</b>		
PT -1	Ch -7 Physics Ch – 1 Motion  Ch -5	40 Marks
Half yearly	Ch - 7 Ch - 8 Physics Ch – Describing Motion around us Ch – How Forces affect Motion Ch - 5 Ch - 12	80 Marks
PT -2	Physics Ch – How forces affect Motion Ch – Describing Motion around us Ch – Work, Energy and simple machines	80 Marks
Annual Exam	Physics Ch 4 – Describing Motion around us	80 Marks

	<p>Ch 6– How forces affect Motion</p> <p>Ch 7– Work, Energy and Simple Machines</p> <p>Ch 10: Sound waves, Characteristics and applications</p>	
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# MIS INTERNATIONAL SCHOOL

## Yearly Planner 2026 - 2027

Grades: 9-10

Subject: DANCE

Teachers' name: Ms. Aarushi, Ms.Sayali, Mr. Dattatray, Mr. Aniruddha, Ms. Koyelika, Mr. Swapnil, Ms.Priyanka

Month	Class / Subject	Topic / Course	Activity	Outcome of the Activity
April	9-10 DANCE	Freestyle dance	Exercises, new routine(taare),stretching.	1.Learn to process, analyze and respond to sensory information through the language and skills unique to dance. 2. Demonstrate increased movement skills, concentration and physical control in performing movement for artistic expression.
May		SUMMER	BREAK	
June	9-10 DANCE	Freestyle dance	Exercises, new routine(mean it song), stretching,hand gestures	Basic anatomical relationships to the felt sense of the body, including the expressiveness inherent in movement.
July	9-10 DANCE	Freestyle dance	Exercises, revising previous routine,new routine(innocence song),stretching	Gain proficiency in skills specific to the practice or dance style.

August	9-10 DANCE	Contemporary dance	<b>Stretching,exercises,new routine(patriotic song)</b>	<b>Be familiar with the history and cultural significance of the practice or dance style.</b>
September	9-10 DANCE	<b>Contemporary dance</b>	<b>Exercises,stretching, foot work,new routine(ori chiraiya)</b>	<b>Recognize the basic positions of the torso, arms, and legs and correct body alignment in stillness and in movement for the execution of basic modern dance technique.</b>
October	9-10 DANCE	<b>Freestyle dance</b>	<b>Exercises,stretching,revising previous,new routine(Earth song)</b>	<b>Recognize and identify basic modern dance terminology and translates the terms into movement practice.</b>
		<b>DEEPAWALI</b>	<b>VACATION</b>	
November	9-10 DANCE	<b>Freestyle Dance</b>	Exercises, revising previous, new routine(summer high)	<b>Demonstrates awareness of the positions of the torso, arms, and legs and correct body alignment in stillness and in movement for the execution of intermediate level modern dance technique.</b>
December	9-10 DANCE	Contemporary dance	<b>Exercises, revising previous, new routine(Baawra man)</b>	<b>Recognize and analyze basic dance steps and choreography.</b>
		<b>CHRISTMAS</b>	<b>VACATION</b>	
January	9-10 DANCE	<b>Freestyle Dance</b>	Exercises, revising previous dance, new dance routine(Naina)	<b>Recognize multiple pedagogical approaches and philosophies within the</b>

				<b>dance field.</b>
February	9-10 DANCE	<b>Contemporary Dance</b>	<b>Exercises, revising previous dance, new dance routine(zindagi kuch to bata)</b>	Demonstrate an understanding of performance aesthetic.
<b>March</b>			<b>FINAL EXAMS FOR</b>	<b>GRADE I – II</b>



# MIS INTERNATIONAL SCHOOL

## Balewadi

### Yearly Planner (2026-27)

Grade: 9

Subject – Visual Art

Subject In charge's name: Miss. Vaishali

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<ul style="list-style-type: none"><li>Revision of elements and principles of Art</li><li>2D- Design</li></ul>	<p>Learners will be able to revise prior Knowledge.</p> <p>Learners will be able to apply elements and principle of Art and create 2D-Design.</p>	<p>Revision of elements and principles of Art</p> <p>Design in Rectangle flying birds, leaves and waving lines.</p>	3
June	<ul style="list-style-type: none"><li>Object</li><li>Water impression</li></ul>	<p>Learners will be able to observe and draw a objects.</p>	<p>Still-Life draw and paint objects.</p>	5
July	<ul style="list-style-type: none"><li>Warli on plastic bottle</li><li>draw a glass and compose design on it</li></ul>			5

August	<p>Composition - 1 peacock</p> <p>Animal Study - 1 (Rabbit )</p>	Learners will be able to pointillism and create their own pointillism painting.	Pointillism Painting (Landscape).	1
September	<ul style="list-style-type: none"> <li>• Human figure study -1</li> <li>• Butterfly- (Shading)</li> </ul>	Learners will be able to draw and color the design for Pot.	Design.	3
October	<p>Negative positive space</p> <p>Composition -2</p>	<p>Learners will be able to study and complete the painting through use of fundamental figures and objects.</p> <p>Learners will be able to create Marble effects through this technique.</p> <p>Learners will be able to observe nature, Draw and color the Landscape.</p>	<p>Canvas Painting.</p> <p>Marble Printing.</p> <p>Outdoor.</p>	6
November	<ul style="list-style-type: none"> <li>• Abstract painting (Dog)</li> <li>• Human figure-2</li> </ul>	<p>Learners will be able to paint leaf by using their creativity.</p> <p>Learners will be able to cut paper finely and create snow flakes.</p>	<p>Leaf Painting.</p> <p>Paper snow flake making</p>	2
December	<ul style="list-style-type: none"> <li>• Bird study</li> <li>• Animal study -2</li> </ul>	Learners will be able to draw and color.	Memory Drawing.	3

January	<ul style="list-style-type: none"> <li>• Eye pencil shading</li> <li>• Republic day</li> </ul>	Learners will be able to compose and color the Figurative composition.	Composition.	3
March	Assessment - 2			



# MIS INTERNATIONAL SCHOOL, Balewadi

Yearly Planner (2026-2027)

Grade: 9

Subject: Coding

Python Image Processing -1

Teacher name: Ms. Sonali Mandlik

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	Introduction To Image Processing	<p>The student will</p> <ul style="list-style-type: none"><li>• Understand what image processing is and where it is used in real life.</li><li>• Identify different types of digital images (grayscale, RGB, etc.).</li><li>• Explain how images are made using pixels.</li><li>• Describe basic image properties such as resolution, size, and color.</li></ul>	Session 1 Introduction of Python	2
June	Understanding Digital Images	<ul style="list-style-type: none"><li>• Define what a digital image is?</li><li>• Pixel Values in Different Color Modes</li><li>• What is a Grayscale Image?</li><li>• Explain how digital images are made up of pixels.</li><li>• Identify the difference between bitmap (raster) and vector images.</li><li>• Understand image properties such as resolution, width, height, and file size.</li></ul>	Session 2 Drawing Basic Shapes (Variables and Datatypes)	2
July	Loading and Displaying Images	<ul style="list-style-type: none"><li>• Understand what OpenCV is and its role in image processing.</li><li>• Identify the purpose of using OpenCV library in Python.</li><li>• Write the correct syntax to import OpenCV (import cv2).</li><li>• Execute a simple Python program using the OpenCV library.</li><li>• Understand the need for libraries/modules in Python.</li></ul>	Session 3 <ul style="list-style-type: none"><li>• Display the Image.</li><li>• Waiting for a Key Press</li></ul>	2

August	Loading and Displaying Images	<ul style="list-style-type: none"> <li>• What is a Color Model?</li> <li>• Understand how images are loaded using an image processing library.</li> <li>• Write the basic syntax to load an image in Python using OpenCV.</li> <li>• Display an image in a window using appropriate functions.</li> <li>• Identify the difference between loading and displaying an image.</li> </ul>	<p>Session 4</p> <ul style="list-style-type: none"> <li>• Types of Color Models</li> <li>• Grayscale – Black &amp; White Image Representation <ul style="list-style-type: none"> <li>• Python Code using OpenCV and Matplotlib to convert a color image to grayscale and visualize the individual color channels (Red, Green, Blue) separately.</li> </ul> </li> </ul>	2
August	Image Manipulation - Brightness & Contrast	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the meaning of brightness and contrast in digital images.</li> <li>• Identify the difference between brightness adjustment and contrast adjustment.</li> <li>• Explain how brightness affects the lightness or darkness of an image.</li> <li>• Explain how contrast affects the difference between light and dark areas.</li> <li>• Apply basic techniques to increase or decrease brightness of an image.</li> <li>• Adjust contrast to improve image clarity.</li> </ul>	<p>Session 5 Adjust Brightness &amp; Contrast</p>	2
September		Half-yearly exam		
October	Applying Filters	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand what image filters are and why they are used.</li> <li>• Identify different types of filters such as blur, sharpen, grayscale, and edge detection.</li> <li>• Explain how filters help in enhancing or modifying images.</li> <li>• Apply a basic blur filter to an image.</li> <li>• Apply grayscale conversion using an image processing tool.</li> </ul>	<p>Session 6 1. Blurring (Gaussian Blur)</p>	2

	Drawing on Images	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of drawing on digital images.</li> <li>• Identify different drawing elements such as lines, rectangles, circles, and text.</li> <li>• Use basic OpenCV functions to draw shapes on an image.</li> <li>• Draw a line on an image using coordinates.</li> <li>• Create rectangles and circles on an image.</li> </ul>	<p>Session 7</p> <ul style="list-style-type: none"> <li>• Load an Image and draw shape</li> </ul>	
October	Resizing & Cropping Images	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the difference between resizing and cropping an image.</li> <li>• Explain why resizing and cropping are used in image processing.</li> <li>• Resize an image by changing width and height.</li> <li>• Maintain aspect ratio while resizing an image.</li> </ul> <p>Crop a specific portion of an image using coordinates.</p>	<p>Session 9</p> <ul style="list-style-type: none"> <li>• Edit a family photo: Resize it for a birthday card and crop to focus on a person...</li> </ul>	2
November	Adding Text to Images	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the purpose of adding text to digital images.</li> <li>• Use basic OpenCV functions to insert text on an image.</li> <li>• Specify the position (x, y coordinates) for placing text.</li> <li>• Change font style, size, and thickness of the text.</li> <li>• Apply different text colors on images.</li> <li>• Add labels, titles, or captions to images.</li> </ul>	<p>Session 8</p> <ul style="list-style-type: none"> <li>• Write a Python script to add text annotations to an image with different font styles.</li> </ul>	2

December	Basic Image Transformations	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of image transformation.</li> <li>• Identify different types of transformations such as rotation, flipping, and scaling.</li> <li>• Rotate an image by a specified angle.</li> <li>• Flip an image horizontally and vertically.</li> <li>• Scale an image to increase or decrease its size.</li> </ul>	<p>Session10 :</p> <ul style="list-style-type: none"> <li>• Write a script to rotate, flip, and apply transformations to an image.</li> </ul>	2
January	Combining Multiple Operations	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of combining multiple image processing operations.</li> <li>• Apply more than one operation on a single image step-by-step.</li> <li>• Combine operations such as resize, crop, and rotate.</li> <li>• Apply filters and brightness/contrast adjustments together.</li> </ul>	<p>Session 11</p> <ul style="list-style-type: none"> <li>• Script to Combine Grayscale, Resize, and Add Text</li> </ul>	2
February		Annual exam	Annual exam	



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-2027)

Grade: 9

Subject: Artificial intelligence (417) (Skill Subject)

Teacher's name: Ms. Sonali Mandlik

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<b>Unit 3.ICT Skills-I</b>	<p>Describe the role of Information and Communication Technology (ICT) in day-to-day life and workplace</p> <p>Identify component of basic computer system and their functions</p> <p>Demonstrate use of various components and peripherals of computer system</p>	<p>Discussion on the role and importance of ICT in personal life and at workplace</p> <p>Preparing posters/collages for showing the role of ICT at workplace</p> <p>Connecting the cables and peripherals to the Central Processing Unit</p> <p>Starting and shutting down a computer</p> <ul style="list-style-type: none"><li>• Group discussion on the various aspects of hardware and software Identification of various parts and peripherals of a computer.</li><li>• Demonstration and practice on the use of mouse</li><li>• Demonstration and practice on the use of keyboard</li><li>• Demonstration of the uses of printer, webcams, scanner, and other peripheral devices</li><li>• Drawing diagram of computer system and labelling it.</li></ul>	7

April	<b>Unit 5. Introduction to Python</b>	<ul style="list-style-type: none"> <li>• Learn basic programming skills through gamified platforms.</li> <li>• Acquire introductory Python programming skills in a very user-friendly format.</li>   <li>• Practical: Flow of control and conditions</li>   <li>• 1. Students go through lessons on conditional and iterative statements (if, for and while)</li>   <li>• 2. Students will try some basic problem-solving exercises using conditional and iterative statements on Python Compiler. Practical: Python Lists</li>   <li>• 3. Students go through lessons on Python Lists (Simple operations using list)</li>   <li>• 4. Students will try some basic problem-solving exercises using lists on Python Compiler.</li> </ul>	<p>Recommended Activity:</p> <ul style="list-style-type: none"> <li>• Introduction to programming using Online Gaming portals like Code Combat.</li> <li>• Theory + Practical: Python Basics <ul style="list-style-type: none"> <li>• Students go through lessons on Python Basics (Variables, Arithmetic Operators, Expressions, Comparison Operators, logical operators, Assignment Operators, Data Types - integer, float, strings, type conversion, using print() and input() functions)</li> <li>• Students will try some simple problem-solving exercises on Python Compiler.</li> </ul> </li> </ul>	10
June	<b>Part A: Employability Skills</b>  <b>Unit 1. Communication Skills-I</b>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of various methods of communication</li> <li>• Identify elements of communication cycle</li> <li>• Identify the factors affecting our perspectives in communication</li> <li>• Demonstrate the knowledge of basic writing skills</li> </ul>	<ul style="list-style-type: none"> <li>• Writing pros and cons of written, verbal and non-verbal communications</li> <li>• Listing do's and don'ts for avoiding common body language mistakes</li> <li>• Draw a diagram of communication cycle</li> <li>• Role plays on communication process related to the sector/job role</li> </ul>	9

			<ul style="list-style-type: none"> <li>• Group discussion on factors affecting perspectives in communication</li> <li>• Sharing of experiences on factors affecting perspectives</li> <li>• Sharing experiences on factors affecting communication at workplace</li> <li>• Demonstration and practice of writing sentences and paragraphs on topics related to the subject</li> </ul>	
July	<b>Unit 1:AI Reflection Project Cycle and Ethics</b>	<p>To identify and appreciate Artificial Intelligence and describe its applications in daily life.</p> <ul style="list-style-type: none"> <li>• To recognize, engage and relate with the three realms of AI: , Computer Vision, Data Statistics and Natural Language Processing.</li> </ul>	<p>Session: Introduction to AI and setting up the context of the curriculum</p> <ul style="list-style-type: none"> <li>• Recommended Activity: Make a statement about lighting and LUIS will interpret and adjust the house accordingly <a href="https://aidemos.microsoft.com/luis/demo">https://aidemos.microsoft.com/luis/demo</a></li> <li>• Recommended Activity: The AI Game • Learners to participate in three games based on different AI domains. – Game 1: Rock, Paper and Scissors (based on data) <a href="https://next.rockpaperscissors.ai/">https://next.rockpaperscissors.ai/</a> – Game 2: Semantris (based on Natural Language Processing - NLP) <a href="https://research.google.com/semantris/">https://research.google.com/semantris/</a> – Game 3: Quick Draw (based on Computer Vision - CV)</li> </ul>	20

**AI PROJECT  
CYCLE**

Problem Scoping  
Identify the AI Project Cycle framework.

Learn problem scoping and ways to set goals for an AI project. Identify stakeholders involved in the problem scoped. Brainstorm on the ethical issues involved around the problem selected. Understand the iterative nature of problem scoping for in the AI project cycle. Foresee the kind of data required and the kind of analysis to be done. Share what the students have discussed so far.

<https://quickdraw.withgoogle.com/>

Session: Introduction to AI Project Cycle

- Problem Scoping
- Data Acquisition
- Data Exploration
- Modelling
- Evaluation

Activity: Brainstorm around the theme provided and set a goal for the AI project.

- Discuss various topics within the given theme and select one.

- List down/ Draw a mind map of problems related to the selected topic and choose one problem to be the goal for the project.

Activity: To set actions around the goal.

- List down the stakeholders involved in the problem.
- Search on the current actions taken to solve this problem.
- Think around the ethics involved in the goal of your project.

Activity: Data and Analysis

- What are the data features needed?
- Where can you get the data?
- How frequent do you have to collect the data?
- What happens if you don't have enough data?
- What kind of analysis needs to be done?
- How will it be validated?
- How does the analysis inform the action?

		<ul style="list-style-type: none"> <li>Identify data requirements and find reliable sources to obtain relevant data.</li> <li>To understand the purpose of Data Visualization.</li> </ul>	<p>Presentation: Presenting the goal, actions and data.</p> <p>Session: Data Acquisition Activity: Introduction to data and its types. • Students work around the scenarios given to them and think of ways to acquire data. Activity: Data Features • Identifying the possible data features affecting the problem. Activity: System Maps • Creating system maps considering data features identified.</p> <p><b>Session:</b> Data Exploration/ Data Visualisation</p> <ul style="list-style-type: none"> <li>Need of visualising data •</li> <li>Ways to visualise data using various types of graphical tools. <b>Quiz Time.</b></li> </ul>	
August	<b>Unit 2. Data Literacy</b>	<p>Define data literacy and recognize its importance Understand how data literacy enables informed decision making and critical thinking</p> <ul style="list-style-type: none"> <li>Apply the Data Literacy Process Framework to analyze and interpret data effectively</li> <li>Differentiate between Data Privacy and Security</li> <li>Identify potential risks associated with data breaches and unauthorized access.</li> </ul>	<p>Session: Basics of data literacy</p> <ul style="list-style-type: none"> <li>Introduction to Data Literacy</li> <li>Impact of data Literacy</li> <li>How to become Data Literate?</li> <li>What are data security and privacy? How are they related to AI?</li> <li>Best Practices for Cyber Security Recommended Activity: Impact of News Articles Reference Videos:</li> </ul> <p>• <a href="https://www.youtube.com/watch?v=yhO_t-c3yJY">https://www.youtube.com/watch?v=yhO_t-c3yJY</a></p>	18

**Acquiring Data,  
Processing, and  
Interpreting Data**

**Project  
Interactive Data  
Dashboard &  
Presentation**

- Learn measures to protect data privacy and enhance data security.

Determine the best methods to acquire data.

- Classify different types of data and enlist different methodologies to acquire it.
- Define and describe data interpretation.
- Enlist and explain the different methods of data interpretation.
- Recognize the types of data interpretation.
- Realize the importance of data interpretation

Recognize the importance of data visualization

- Discover different methods of data visualization

- <https://www.youtube.com/watch?v=aO858HyFbKI>
- <https://www.cbse.gov.in/cbsenew/documents/Cyber%20Safety.pdf>

Session: Acquiring Data, Processing, and Interpreting Data

- Types of data
- Data Acquisition/Acquiring Data
- Best Practices for Acquiring Data
- Features of data and Data Preprocessing
- Data Processing and Data Interpretation
- Types of Data Interpretation
- Importance of Data Interpretation

Recommended Activities:

- Trend analysis
  - Visualize and Interpret Data
- Session: Project Interactive Data Dashboard & Presentation
- Data visualization Using Tableau
- Reference Links

● <https://public.tableau.com/enus/s/download>

● <https://www.datawrapper.de/>

Video Links:

● <https://www.youtube.com/watch?v=NLCzpPRCc7U>

● [https://www.youtube.com/watch?v=\\_M8BnosAD78](https://www.youtube.com/watch?v=_M8BnosAD78)

August	<b>Unit 2. Self-Management Skills-I</b>	<ul style="list-style-type: none"> <li>• Describe the meaning and importance of self-management</li> <li>• Identify the factors that helps in building self confidence</li> </ul>	<ul style="list-style-type: none"> <li>• Identification of self-management skills</li> <li>• Strength and weakness analysis</li> <li>• Role play exercises on building self-confidence.</li> <li>• Use of positive metaphors/words</li> <li>• Positive stroking on wakeup and before going bed Helping others and working for community</li> </ul>	7
September	Half Yearly Exam	Half Yearly Exam	Half Yearly Exam	
October	<b>Part- A Employability Skills Unit 4. Entrepreneurial Skills-I</b>	<ul style="list-style-type: none"> <li>• Identify various types of business activities</li> <li>• Demonstrate the knowledge of distinguishing characteristics of entrepreneurship</li> </ul>	<ul style="list-style-type: none"> <li>• Prepares posters of business activities found in cities/villages using pictures</li> <li>• Discuss the various types of activities generally adopted by small business in a local community</li> <li>• Best out of waste</li> <li>• Costing pf the product made out of waste</li> <li>• Selling of items made from waste materials</li> <li>• Prepare list of business that provides goods and services in exchange for money</li> <li>• Prepare charts showing advantages of entrepreneurship over wages.</li> <li>• Group discussions on role and features of entrepreneurship</li> <li>• Lectures/presentations by entrepreneurs on their experiences and success stories</li> </ul>	8

			<ul style="list-style-type: none"> <li>Identify core skills of successful entrepreneur</li> </ul>	
November	<b>Part A: Unit 5.Green Skills-I</b>	<ul style="list-style-type: none"> <li>Demonstrate the knowledge of the factors influencing natural resource conservation.</li> <li>Describe the importance of green economy and green skills.</li> </ul>	<ul style="list-style-type: none"> <li>Group discussion on hazard of deteriorating environment. Prepare posters showing environment conservation</li> <li>Discussion on various factors that influence our environment</li> <li>Discussion on the benefits of green skills and importance of green economy</li> <li>Prepare a poster showing the importance of green economy with the help of newspaper/magazine cutting.</li> </ul>	10
December	<b>Unit 3: Math for AI(Statistics &amp; Probability)</b>	<ul style="list-style-type: none"> <li><b>Importance of Math for AI:</b> <ul style="list-style-type: none"> <li>Analyzing the data in the form of numbers/images and find the relation/pattern between them. Use of Math in AI.</li> </ul> </li> <li>Number Patterns Picture Analogy</li> </ul>	<p>Session: Importance of Math for AI</p> <ul style="list-style-type: none"> <li>Finding Patterns in Numbers and images.</li> <li>Uses of Math - <ul style="list-style-type: none"> <li>Statistics</li> <li>Linear Algebra</li> <li>Probability</li> <li>Calculus</li> </ul> </li> </ul> <p>Activity: <ul style="list-style-type: none"> <li>observe the number pattern and find the missing number.</li> <li>To find connections between sets of images and use that to solve problems,</li> </ul> </p> <p><b>Session :</b></p> <ul style="list-style-type: none"> <li>Definition of Statistics</li> <li>Applications <ul style="list-style-type: none"> <li>Disaster Management</li> <li>Sports</li> <li>Diseases Prediction</li> <li>Weather Forecast</li> </ul> </li> </ul> <p><b>Activity:</b> Uses of Statistics in daily life</p> <ul style="list-style-type: none"> <li>Students will explore the applications of statistics in real life .They collect data and can apply</li> </ul>	15

		<p><b>Statistics:</b></p> <ul style="list-style-type: none"> <li>• Understand the concept of Statistics in real life.</li> <li>• Application in various real life Scenarios.</li> </ul> <p><b>Probability:</b> Understand the concept of Probability in real life and explore various types of events.</p> <p>Application in various real life scenarios</p>	<p>various statistical measures to analyze the data. <b>Activity:</b> Car Spotting and Tabulating Purpose: To implement the concept of data collection , analysis and interpretation.</p> <p><b>Activity Introduction:</b></p> <ul style="list-style-type: none"> <li>• In this activity, Students will be engaged in data collection and tabulation.</li> <li>• Data collection plays a key role in Artificial Intelligence as it forms the basis of statistics and interpretation by AI.</li> <li>• This activity will also require students to answer a set of questions based on the recorded data.</li> </ul> <p><b>Session:</b> Introduction to Probability • How to calculate the probability of an event • Types of events • understand the concept of Probability using a relatable example. Exercise: Identify the type of event.</p> <p><b>Session:</b> Applications of Probability • Sports • Weather Forecast • Traffic Estimation Exercise: Revision time</p>	
January	<b>Unit 4: Introduction to Generative AI</b>	<ul style="list-style-type: none"> <li>• Students will be able to define Generative AI &amp; classify different kinds.</li> <li>• Students will be able to explain how Generative AI works and recognize how it learns.</li> </ul>	<p>Recommended Activity: • Activity: Guess the Real Image vs. the AI-generated image.</p> <p><b>Session:</b> • Introduction to Generative AI</p>	16

		<ul style="list-style-type: none"> <li>• Applying Generative AI tools to create content.</li> <li>• Understanding the ethical considerations of using Generative AI.</li> </ul>	<ul style="list-style-type: none"> <li>• Generative AI vs Conventional AI</li> </ul> <p><b>Session:</b></p> <ul style="list-style-type: none"> <li>• Types of Generative AI</li> <li>• Examples of Generative AI</li> </ul> <p>Session:</p> <ul style="list-style-type: none"> <li>• Benefits of using Generative AI</li> <li>• Limitations of using Generative AI</li> </ul> <p>Recommended</p> <p><b>Activities:</b></p> <ul style="list-style-type: none"> <li>• Hands-on Activity: GAN Paint</li> <li>• Generative AI tools</li> </ul> <p><b>Session:</b></p> <ul style="list-style-type: none"> <li>• Ethical considerations of using Generative AI</li> </ul>	
February	Revision	Revision	Revision	
March	Annual Exam	Annual Exam	Annual Exam	



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade: 10

Subject: English

Teacher's name: Ms. Roopa Rajesh

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<b>FIRST FLIGHT -</b> 1: A Letter to God	<ul style="list-style-type: none"> <li>To make the learners understand the importance of faith.</li> <li>To make the learners believe that faith can move mountains.</li> </ul>	Exercises	4
	2: Nelson Mandela: Long Walk to freedom	<p>Students will be able:</p> <ul style="list-style-type: none"> <li>To understand the consequences of discrimination and how to rise above prejudices</li> <li>To become the change makers instill a feeling of patriotism and work for the betterment of society</li> </ul> <p>• To note the restorative power of Nature.</p> <p>Students will be able:</p> <ul style="list-style-type: none"> <li>To understand the thought and imagination contained in the poem.</li> </ul>	Reference to Context  Question Answers  EXTEMPORE        Reference to Context  Question Answers	4

	<p><b>Poems:</b> Dust of Snow Fire And Ice</p> <p><b>GRAMMAR</b> Gap Filling, Editing, Integrated Grammar</p> <p><b>WRITING -</b> Order Letter</p>	<ul style="list-style-type: none"> <li>• To think about different human emotions and their effect.</li> <li>• To write their feelings in the form of short poems.</li> <li>• To move from factual understanding to critical thinking.</li> </ul> <p>Students will be able:</p> <ul style="list-style-type: none"> <li>• To express effectively develop appropriate style of writing.</li> <li>• To write effectively</li> <li>• To differentiate the style of expressing different writing skills knowledge of the purpose and importance of writing short and long letters</li> <li>• To be able to practically make use of writing skills</li> </ul>		<p>2 2</p> <p>3</p> <p>4</p> <p>4</p>
June	<p><b>FIRST FLIGHT</b></p> <p><b>Poems:</b> 3. A Tiger in the Zoo</p> <p>4. How to tell Wild Animals</p>	<ul style="list-style-type: none"> <li>• Students will be able : To understand the dangers of deforestation and blessings of forestation.</li> <li>• To understand the identifying features of few animals</li> </ul> <p>Students will be able:</p> <ul style="list-style-type: none"> <li>• To understand that dog is the most faithful pet.</li> </ul>	<p>Exercises</p> <p>Reference to Context</p> <p>Question Answers</p> <p>Reference to Context</p>	<p>4</p> <p>3</p>

	<p><b>FOOTPRINTS WITHOUT FEET</b> 1: A Triumph OF Surgery</p> <p>2: The Thief's Story</p>	<ul style="list-style-type: none"> <li>To understand that declined health was the outcome of Mrs Pumphrey's over caring nature.</li> <li>understand the pompous nature of the rich</li> </ul> <p>Students will be able:</p> <ul style="list-style-type: none"> <li>To understand importance of education.</li> <li>To understand the two different characters i.e. Anil &amp; Hari Singh</li> </ul>		3
	<p><b>WRITING</b> Enquiry Letter</p>	<p>Students will be able:</p> <ul style="list-style-type: none"> <li>To express effectively develop appropriate style of writing.</li> <li>To write effectively To differentiate the style of expressing different writing skills knowledge of the purpose and importance of writing short and long letters</li> <li>To be able to practically make use of writing skills</li> </ul>	Letter Writing	4
July	<p><b>FIRST FLIGHT</b> - 3: Two Stories about Flying</p> <p>i) His First Flight</p> <p>ii) Black Aeroplane</p>	<p>Students will be able:</p> <ul style="list-style-type: none"> <li>To enable the students to share their personal experiences</li> <li>To understand that to succeed one has to put in hard work</li> <li>To make them believe of the mysteries that exists in this world. To help them think critically whether such mysteries really exist.</li> </ul>	<p>Exercises</p> <p>Reference to Context</p> <p>Question Answers</p>	5
				6

	<p>Poems: Amanda!</p> <p><b>FOOTPRINTS WITHOUT FEET</b> 3: The Midnight Visitor</p> <p>4: A Question of Trus</p>	<ul style="list-style-type: none"> <li>To help them arrive at a conclusion if an aeroplane can fly and land safely even in an odd condition as mentioned in the lesson.</li> </ul> <p>Students will be able:</p> <ul style="list-style-type: none"> <li>To understand the importance of loss and responsibility in life. analyze that the world is full of possessions and money is an external item</li> <li>To enable the students to use new words and phrases of English.</li> <li>To enable the students understand and enjoy the theme and language by reading Amanda.</li> <li>To enable the students to be specific in reflection, expression and individual opinion and deeper understanding of Amanda</li> </ul> <p>To enable the students</p> <ul style="list-style-type: none"> <li>to imbibe and analyse different situations and characters.</li> <li>develop the ability to plan events</li> <li>realize the importance of presence of mind</li> <li>develop the ability to think quickly, act calmly and wisely in a situation of danger or surprise</li> <li>To inculcate moral values</li> </ul>	<p>Exercises</p> <p>Reference to Context</p> <p>Question Answers</p> <p>MA-1 (Art Integrated Project) -Collage of different kinds of parenting techniques (illustrations or pictures) with brief writeup based on poem Amanda</p>	<p>2</p> <p>3</p>
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	t		Portfolio-1 – Presentation of Classwork, Homework of Term 1 lessons will be assessed	4
	<b>GRAMMAR</b> Determiners, Tenses, Modals, Subject verb Agreement	Students will be able: <ul style="list-style-type: none"> <li>To Strengthen usage of grammar</li> <li>To use correct grammar while expressing orally and in writing.</li> </ul>	Exercises  Reference to Context  Question Answers	6
	<b>WRITING</b> Complaint Letter	<ul style="list-style-type: none"> <li>To express effectively</li> <li>To share ideas and develop appropriate style of writing.</li> <li>To write effectively</li> </ul>	Letter Writing	4
<p><b>PT1 - FIRST FLIGHT</b> 1: A Letter to God, Nelson Mandela(Long Walk to freedom), Two stories about flying  <b>Poems:</b> Dust of Snow, Fire and Ice, A tiger in the zoo, How to tell Wild animals, Amanda  <b>FOOTPRINTS WITHOUT FEET</b> 1: A Triumph OF Surgery, 2: The Thief’s Story, 3. The midnight visitor, 4. A question of trust  <b>Writing</b> - Letter Writing(Order Letter, Letter of Enquiry),  <b>GRAMMAR</b> - Integrated Grammar, Determiners, Tenses, Modals, Subject verb Agreement  <b>Reading-</b> Unseen Comprehension passage</p>				
August	<b>FIRST FLIGHT</b> 4: From the Diary of Anne Frank	<ul style="list-style-type: none"> <li>To empathize and relate to Anne Frank</li> <li>To understand the importance of teacher</li> <li>To understand child psychology</li> <li>To value all animals</li> </ul>	Exercises  Reference to Context  Question Answers	3

	6- Mijbil the otter  <b>Poems:</b> The Ball Poem	<ul style="list-style-type: none"> <li>To analyse the importance of presence of mind and face the situation rather than running away. develop the ability to think quickly, act calmly and wisely in a situation of danger or surprise</li> </ul>	SE-1  Assessment of listening and speaking (Term1)  Group discussion based on the lesson Anne Frank, Nelson Mandela	5  3
	<b>GRAMMAR</b> - Reported Speech- Statements, Questions, Commands and requests	Students will be able <ul style="list-style-type: none"> <li>To use of important rules application of knowledge</li> <li>To Express effectively</li> <li>To develop appropriate style</li> <li>of writing grammatically correct sentences.</li> </ul>	Exercises	6
	<b>WRITING</b> Analytical Paragraph	<ul style="list-style-type: none"> <li>To share ideas</li> <li>To develop appropriate style of writing.</li> <li>To write effectively</li> <li>To Differentiate the style of expressing different writing skills</li> </ul>	Analytical Paragraph Writing	5
September	<b>Half Yearly Examination</b> <b>FIRST FLIGHT-</b> 1: A Letter to God, 2: Nelson Mandela: Long Walk to freedom, 3: Two Stories about Flying i)His First Flight; ii) Black Aeroplane}, 4: From the Diary of Anne Frank,6. Mijbil the otter  <b>Poems:</b> Dust of Snow, Fire And Ice, A Tiger in the Zoo, The Ball Poem, How to tell Wild Animals, Amanda!, <b>FOOTPRINTS WITHOUT FEET-</b> 1: A Triumph OF Surgery, 2: The Thief's Story, 3: The Midnight Visitor, 4: A Question of Trust, 5: Footprints Without Feet, 6: The Making of a Scientist <b>Grammar:</b> Integrated Grammar, Reported Speech-Statements, Questions, Commands and requests <b>Writing-</b> Letter Writing, Analytical Paragraph			

October	<p><b>FIRST FLIGHT</b></p> <p>5. Glimpses of India i) A Baker from Goa ii) Coorg iii) Tea from Assam</p> <p><b>Poems:</b> 7. The Trees</p> <p>8. Fog</p> <p><b>FOOTPRINTS WITHOUT FEET</b> 7: The Necklace</p>	<p>Students will be able</p> <ul style="list-style-type: none"> <li>To appreciate the old methods of baking bread in Goa.</li> <li>To respect traditions respect values, beliefs and customs of others</li> <li>To know about the people, India's largest Tibetan settlements, main crop, sports activities and animals in Coorg.</li> <li>To understand that the tea pluckers are different from other farm labourers.</li> <li>To gain information of the various stages of growing tea.</li> <li>To compare the natural forests to the artificial ones that man has created inside his house to suit the purpose.</li> <li>To imagine the tree as a symbol of mankind</li> <li>To understand change is unavoidable</li> </ul> <p>The Students will be able</p> <ul style="list-style-type: none"> <li>To know that satisfaction leads to contentment which is a key to happiness.</li> </ul>	<p>RECITATION</p> <p>Exercises</p> <p>Reference to Context</p> <p>Question Answers</p> <p>Reference to Context</p> <p>MA-2 –Letter Writing You are Mukund/ Minaz. You have recently purchased a double door refrigerator. However, within a month the the fridge developed some problems. Write a letter of complaint to the Manager of the showroom asking for a replacement of the faulty refrigerator.</p>	<p>4</p> <p>3</p> <p>3</p> <p>2</p> <p>3</p>
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		<ul style="list-style-type: none"> <li>To understand that acceptance of mistake will make the life easier in contrast to hiding the truth and paying for it later/or ruining your inner peace</li> </ul>	<p>Reference to Context</p> <p>Question Answers</p> <p>Reference to Context</p>	3
November	<b>FIRST FLIGHT - 7:</b> Madam Rides The Bus	<p>Students will be able:</p> <ul style="list-style-type: none"> <li>To realise the lessons and experiences that travelling gives us</li> <li>To enjoy lighthearted literature.</li> </ul>	<p>Reference to Context</p> <p>Question Answers</p>	4
	8: The Sermon at Benaras	<ul style="list-style-type: none"> <li>To get sensitised to the fact that death is the ultimate truth in the world.</li> <li>To enable them use new words and phrases in their own language.</li> <li>To help them know that nothing is permanent.</li> </ul>	<p>Reference to Context</p> <p>Exercises</p>	3
	9: The Proposal	<ul style="list-style-type: none"> <li>To make them appreciate the efforts of different writers and their style.</li> <li>To make them aware of the Russian Wedding custom and culture</li> <li>To develop a love for literature in students.</li> <li>To introduce the students with life and works of Ogden Nash</li> </ul>	<p>Reference to Context</p> <p>Question Answers</p> <p>Reference to Context</p> <p>Question Answers</p>	4
			<p>Portfolio-2 – Presentation of Classwork, Homework of Term 2 lessons will be assessed</p>	

	<p><b>Poems:</b> 9. The Tale of Custard the Dragon</p> <p>10. For Anne Gregory</p>	<ul style="list-style-type: none"> <li>To enable the students comprehend the poem locally and globally.</li> <li>To infer the contextual meaning of the text.</li> <li>To enable the students do a strengths and weaknesses study of their own personality.</li> </ul>	<p>Exercises</p> <p>Reference to Context</p> <p>Question Answers</p> <p>Reference to Context</p> <p>Question Answers</p>	<p>4</p> <p>3</p>
November	<p><b>FIRST FLIGHT-</b> A Letter to God, Nelson Mandela: Long Walk to freedom, Two Stories about Flying i)His First Flight; ii) Black Aeroplane}, From the Diary of Anne Frank, Glimpses of India, Mijbil the otter, Madam rides the bus, The sermon at Benares, The proposal</p> <p><b>Poems:</b> Dust of Snow, Fire And Ice, A Tiger in the Zoo, The Ball Poem, How to tell Wild Animals, Amanda!, The trees, Fog, The Tale of Custard the Dragon, For Anne Gregory</p> <p><b>FOOTPRINTS WITHOUT FEET-</b> A Triumph of Surgery, The Thief's Story, The Midnight Visitor, A Question of Trust, Footprints Without Feet, The Making of a Scientist, The Necklace</p> <p><b>Grammar:</b> Integrated Grammar, Reported Speech-Statements, Questions, Commands and requests, Tenses, Modals, Subject Verb Agreement, Determiners</p> <p><b>Writing-</b> Letter Writing, Analytical Paragraph</p>			
December	<p><b>FOOTPRINTS WITHOUT FEET -</b> 8: Bholi</p> <p>9: The Book that Saved the Earth</p>	<ul style="list-style-type: none"> <li>To sensitize the students to the importance of education.</li> <li>To explain the importance of emotional security and family support for children.</li> <li>To indicate the need of love, encouragement and education for the disabled to fight against their odds</li> <li>To introduce the concept of Aliens, Martians.</li> </ul>	<p>SE-2- ASSESSMENT OF LISTENING AND SPEAKING (TERMII)</p> <p>Debate on Education and related topics</p>	<p>3</p> <p>4</p>

		<ul style="list-style-type: none"> <li>To help the students think futuristically.</li> </ul> Preboard-I		5
January	Revision (Whole syllabus) Preboard II (Whole syllabus)			
February	Board Exams(Whole syllabus)			
March	Board Exams(Whole syllabus)			



# MIS INTERNATIONAL SCHOOL

## Yearly Planner (2026-27)

Grade: 10

Subject: Hindi

Teacher's name : Dr. Jayashri Hampiholi

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	स्पर्श कविता-१. कबीर की साखी  स्पर्श पाठ - १. बडे भाई साहब	दोहा छंद तथा साखी से परिचित होकर उपयोग करेंगे। वाणी का महत्व प्रस्तुत करना। निंदक की आवश्यकता बताना। ईश्वर भक्ति में रूचि वृद्धि। लोक व्यवहार, नीति ज्ञान से परिचय। बाल मनोविज्ञान का आकलन। शिक्षा पद्धति के सही-गलत पहलू की जानकारी होगी। लिखित और मौखिक कौशल का विकास। भाषाज्ञान और शब्द भंडार का विकास। सामान्य ज्ञान को बढ़ाना। परिवार से प्रेम का महत्व समझेंगे। अध्ययन का महत्व समझकर	कबीर जी के साहित्य की जानकारी एकत्रित करना।  कबीर की साखियों को याद करना।  शिक्षा रटंत विद्या नहीं	18

	<p>(कहानी)</p> <p>व्याकरण - पदबंध, रचना के आधार पर वाक्य के भेद</p> <p>अपठित गद्यांश अनुच्छेद लेखन</p>	<p>ध्यान देंगे। अपठित गद्यांश के प्रश्नों के उत्तर लिखना। पदबंध की प्रक्रिया को समझना। अनुच्छेद लेखन की प्रक्रिया और प्रारूप को समझना।</p>	<p>है- इस विषय पर परिचर्चा।</p> <p>आपकी छोटी बहन/भाई छात्रावास में रहती/रहता है। उसकी पढाई-लिखाई के संबंध में उसे एक पत्र लिखिए। रचना के आधार पर वाक्य रूपांतरण कीजिए। अपठित गद्यांश के प्रश्नोत्तर लिखिए। दिए गए विषयों पर अनुच्छेद लिखिए।</p>	
June	<p>स्पर्श पाठ - २. डायरी का एक पन्ना</p> <p>स्पर्श कविता-२. मीरा के पद</p> <p>व्याकरण - समास</p>	<p>स्वयं डायरी लिखने की योग्यता का विकास। देशभक्ति की भावना का विकास। समाज में जीवन के प्रति स्वस्थ दृष्टिकोण का निर्माण करना। ईश्वर भक्ति में आस्था का निर्माण। श्रीकृष्ण की भक्ति का महत्व समझना।</p>	<p>भारतीय स्वतंत्रता संग्राम की जानकारी एकत्रित करना। दूसरे स्वाधीनता दिवस पर संक्षेप में एक लेख लिखिए।</p> <p>मीराबाई की जानकारी एकत्रित करना।</p> <p>मीराबाई के पदों का संग्रह करना। आपकी छोटी बहन/भाई छात्रावास में रहती/रहता</p>	20

	अपठित पद्यांश  पत्र लेखन		है। उसकी पढाई-लिखाई के संबंध में उसे एक पत्र लिखिए। समास के भेदों के 5-5 उदाहरण लिखिए।	
July	स्पर्श कविता - ३. मनुष्यता (कविता)  स्पर्श पाठ -३. तताँरा- वामीरो कथा  व्याकरण- रचना के आधार पर वाक्य रूपांतरण  पठित गद्यांश पठित पद्यांश	उदारता, मनुष्यता, विनयशीलता आदि गुणों का विकास। पौराणिक कथा और पात्रों से परिचित। गर्व, अहंकार का त्याग करना। लेखन और वाचन कौशल का विकास। चिंतन-मनन द्वारा बौद्धिक क्षमता का विकास।  भारतीय संस्कृति से जुड़ाव उत्पन्न होगा। लोकभाषा के प्रति आकर्षण का निर्माण। समाज में व्याप्त अंधविश्वासों और रुढ़िवादिता का ज्ञान। चिंतन-मनन द्वारा बौद्धिक क्षमता का विकास। विचार अभिव्यक्ति की क्षमता का विकास।	हरिऔध' की कर्मवीर' कविता को पढना। भवानी प्रसाद मिश्र की 'प्राणी वही प्राणी है' कविता पढना।  उपर्युक्त दोनों कविताओं के भावों में व्यक्त समानता को लिखना।  भारत में प्रचलित किसी एक लोककथा का संग्रह करना।  किसी एक लोककथा को कक्षा में सुनाना।  रचना के आधार पर	23

	विज्ञापन लेखन	वर्तमान सामाजिक परिवेश के प्रति जागरुकता। विज्ञापन का लेखन करना।	वाक्य रूपांतरण कीजिए।	
August	स्पर्श पाठ -४ .अब कहाँ दूसरों के दुख से दुखी होनेवाले (निबंध)  स्पर्श कविता - ४.पर्वत प्रदेश में पावस  संचयन- 1. हरिहर काका व्याकरण- मुहावरे	तमाम जीवधारियों की रक्षा के लिए मनोभूमिका का निर्माण । पर्यावरण संवर्धन का कार्य करना। सभी को सुख-दुख में साथ देना। नए शब्द भंडार से परिचय।  निसर्ग का चित्रण। प्रकृति के प्रति जागरुकता का निर्माण। निसर्ग और मनुष्य के संबंध एक दूसरे के लिए पूरक यह आकलन।  बदलते परिवेश की जानकारी होगी। नैतिक मूल्यों से अवगत । स्वार्थ का त्याग करना।	पशु पक्षियों की जानकारी एकत्रित करना ।  किसी ऐसी घटना का वर्णन कीजिए जब अपने मनोरंजन के लिए मानव द्वारा पशु पक्षियों का उपयोग किया गया हो।  वर्षा ऋतु पर लिखी गई अन्य कवियों की कविताओं का संग्रह कीजिए।  बारिश,झरने,बादल,कोयल, पानी,पक्षी,सूरज,फूल,फल,हरियाली आदि या कोई भी प्रकृति विषयक शब्द का प्रयोग करते हुए एक कविता लिखने का प्रयास कीजिए।  मिथिलेश्वर की जानकारी एकत्रित करना।  अपनी किसी शरारत को कक्षा में सुनाना।	24

	अपठित गद्यांश  लघुकथा लेखन सूचना लेखन	लघुकथा का लेखन करना। मुहावरे का अर्थ समझना। निर्धारित विषय पर सूचना लेखन करना।	मुहावरे का अर्थ लिखकर वाक्य में प्रयोग कीजिए।	
September	Revision			21
October	स्पर्श पाठ -५ .पतझर में टूटी पत्तियाँ  स्पर्श कविता- ५. तोप  संचयन पाठ - २ . सपनों के से दिन (कहानी)  लेखन- सूचना लेखन,	जीवन में आदर्श को अपनाना। आदर्श और व्यवहार का अंतर समझना। वर्तमान में जीना की प्रेरणा मिलेगी। ध्यान पद्धति की जानकारी।  देशप्रेम की भावना का विकास। प्राचीन धरोहर को संभालना। लोक व्यवहार, नीति ज्ञान से छात्रों का परिचय कराना।  अनुशासन का महत्व समझना। बचपन की खुशी का ज्ञान होकर प्रसन्नता और सकारात्मकता का निर्माण।  पाठशाला का महत्व समझेगा।  लेखन और वाचन कौशल का विकास।	गांधीजी के योगदान पर परियोजना कार्य ।  पाठ में वर्णित 'टी- सेरेमनी' का शब्द चित्र प्रस्तुत कीजिए।  स्वतंत्र सेनानियों की जीवनी पढ़ना। वीर क्रांतिकारियों की जानकारी एकत्रित कर कक्षा में सुनाइए।  विवेकानंदजी के बचपन की जानकारी एकत्रित करना। अपनी किसी शरारत को कक्षा में सुनाना।	23

	<p>पत्रलेखन व्याकरण- पदबंध, मुहावरे (पुनरावर्तन)</p>	<p>चिंतन-मनन द्वारा बौद्धिक क्षमता का विकास।  निर्धारित विषय पर सूचना लेखन करना।</p>		
November	<p>स्पर्श पाठ -६. कारतूस (कहानी)</p> <p>स्पर्श कविता-६. कर चले हम फिदा</p> <p>स्पर्श कविता-७. आत्मत्राण</p>	<p>देशप्रेम की भावना को जागृत करना। हिम्मत और चलाखी का सही समय पर प्रयोग करना। स्वतंत्रता सेनानियों की जानकारी होना।</p> <p>भारतीय सैनिकों के पराक्रम का अध्ययन करना। फिल्म जगत और संगीत में रुचि निर्माण। देश के लिए सर्वस्व त्याग करने की प्रेरणा विकसित होना। सैनिक के जीवन की चुनौतियों से अवगत होना। स्वयं काव्य-लेखन और वाचन कौशल का विकास। अनूदित कविताओं की जानकारी देना।</p>	<p>रॉबिनहूड के कारनामों के बारे में जानकारी हासिल करना । कुछ एकांकी और नाटकों की सूची तैयार करना ।  हकीकत इस फिल्म को कक्षा में दिखाइए।</p> <p>‘आजादी का अमृत महोत्सव’ इस विषय पर निबंध लिखना। ‘फिल्म का समाज पर प्रभाव ‘विषय पर परिचर्चा।</p> <p>शांति निकेतन की जानकारी एकत्र कीजिए। ‘गीतांजली’ काव्य पढ़िए। ‘नोबेल पुरस्कार’ की</p>	18

	व्याकरण- समास (पुनरावर्तन) व्याकरण - रचना के आधारपर वाक्य रूपांतरण (पुनरावर्तन)	स्वविश्वास और स्वनिर्णय क्षमता का विकास। चिंतन-मनन द्वारा बौद्धिक क्षमता का विकास।	जानकारी एकत्र कीजिए।	
December	संचयन पाठ - ३. टोपी शुक्ला व्याकरण- समास (पुनरावर्तन)	बच्चों के विकास को दर्शाना। सांप्रदायिक एकता और परस्पर सहयोग करना। अनुशासन से कार्य करने की प्रेरणा।	अपनी किसी शरारत को कक्षा में सुनाना।  'मेरा बचपन' इस विषय पर अनुच्छेद लिखिए।	19
January	Revision			23
February	Revision			22
March	Exam			11



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade: 10

Subject - Marathi

Subject Incharge's name: Ms. Vaishnavi Pandhare

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	१. तू बुद्धी दे	<ul style="list-style-type: none"><li>या प्रार्थनेत सन्मार्ग, सन्मती आणि सत्संग याचे महत्व समजते.</li></ul>	<ul style="list-style-type: none"><li>विद्यार्थ्यांनकडून कविता ताला सुरात म्हणून घेतली.</li></ul>	20
	२. संतवाणी अंकला मी दास तुझा	<ul style="list-style-type: none"><li>अभंगातील भावार्थ समजला पाहिजे.</li><li>विद्यार्थ्यांना महाराष्ट्रातील संस्कृती, संत, अभंग याची जाणीव करून देणे.</li><li>अभंगातून परमेश्वर कृपेची याचना केली जाते. याची जाणीव करून देणे.</li></ul>	<ul style="list-style-type: none"><li>कोणत्याही एका संता विषयी माहिती सांगून त्यांनी लिहिलेल्या एका अभंगाचे सादरीकरण करा.</li><li>संत नामदेवयांच्या साहित्यातील एक अभंग किंवा भारुड, सांगा.</li></ul>	
	<ul style="list-style-type: none"><li>व्याकरण- नाम, सर्वनाम</li></ul>	<ul style="list-style-type: none"><li>नाम, सर्वनाम व त्याचे प्रकार समजतात.</li></ul>	--	
	३. शाल	<ul style="list-style-type: none"><li>निर्जीव वस्तू व त्याच्याशी निगडित असलेल्या संवेदनशील भावना यांच्या भावस्पर्शी संदर्भांचे वर्णन यातून पाहता येते.</li><li>जुने ते सोने या संकल्पना ची माहिती मुलांना सांगता आली.</li><li>स्वतःचे विचार सुस्पष्टपणे मांडता येतात.</li></ul>	<ul style="list-style-type: none"><li>वस्तूच्या संदर्भातील तुमच्या असलेल्या आठवणी सांगा.</li></ul>	

June	४. उपास	<ul style="list-style-type: none"> <li>स्वतःचे विचार सुस्पष्टपणे मांडता येतात.</li> <li>पाठ्यपुस्तक आणि त्याच्याशी संबंधित इतर साहित्यांत आलेल्या नैसर्गिक, सामाजिक आणि इतर संवेदनशील मुद्द्यांना समजून घेऊन त्यावर चर्चा करतात.</li> </ul>	<ul style="list-style-type: none"> <li>तुम्ही केलेला एखादा संकल्प व त्याची पूर्ती याबद्दल अनुभव सांगा.</li> </ul>	20
	व्याकरण- विशेषण, क्रियापद	विशेषण व त्याचे प्रकार, क्रियापद, वाक्याचे प्रकार.	<ul style="list-style-type: none"> <li>चिट्टीत आलेल्या विशेषणाचे वाक्य बनवून सांगा.</li> </ul>	
July	५. दोन दिवस	<ul style="list-style-type: none"> <li>जीवनात येणारी सुख, दुख गोड मानून आनंदाने जगावे.</li> </ul>	<ul style="list-style-type: none"> <li>कवी नारायण सुर्वे यांची कविता सांगा.</li> </ul>	22
	व्याकरण	वचन, लिंग, जोडशब्द, अव्यय,	जोड्या लावा.	
August	मोठे होत असलेल्या मुलानो (स्थुलवाचन)	<ul style="list-style-type: none"> <li>कोणतेही काम कमी दर्जाचे नसते. कष्टाचे महत्व समजून सांगणे</li> </ul>	<ul style="list-style-type: none"> <li>तुम्ही केलेल्या कामा विषयी माहिती लिहा.</li> </ul>	22
	६. चुडीवाला	<ul style="list-style-type: none"> <li>विद्यार्थीना समाजाकडून उपेक्षित व कुष्ठरोगी लोकांच्या आयुष्यावर प्रकाश टाकणे.</li> <li>जुने ते सोने या संकल्पना ची माहिती मुलांना सांगता आली.</li> <li>स्वतःचे विचार सुस्पष्टपणे मांडता येतात.</li> </ul>	<ul style="list-style-type: none"> <li>एका समाजसेवकाची माहिती लिहा.</li> </ul>	
	७. फुटप्रिंटस	<ul style="list-style-type: none"> <li>विद्यार्थीना कोणतेही काम कमी दर्जाचे नसते हे समजले पाहिजे</li> <li>कष्टाचे महत्व समजले पाहिजे,</li> </ul>	<ul style="list-style-type: none"> <li>पर्यावरण संवर्धनासाठी तुमच्या आयुष्यात काय बदल कराल या विषयी लिहा.</li> </ul>	

	व्याकरण	समास,काळ,निबंधलेखन, पत्रलेखन, कथालेखन		
September	सराव			19
	८. उर्जाशक्ती चा जागर	<ul style="list-style-type: none"> <li>• जुन्या व नव्या जीवन मूल्यांविषयीचे,निर्णयक्षमता, प्रेम याविषयीचे वर्णन करणे</li> <li>• शिक्षकांकडून विद्यार्थ्यांवर घडणाऱ्या संस्कारांचे महत्व समजून घेणे.</li> <li>• कल्पनाशक्ती आणि सृजनशीलतेचा विकास करण्याच्याक्रिया जसे- अभिनय, मूकाभिनय, सृजनात्मक लेख, विविध स्थितींमधील संवाद इत्यादींचेआयोजन</li> <li>• पाठांच्या संदर्भात आणि आसपासच्या परिसराशी संबंधी मुलांनाभिन्न प्रकारच्या परिचित आणि अपरिचित संदर्भानुसार भाषेचा योग्य वापर करता येणे .त्यातूनच ते हजपणे,कल्पकतेने, प्रभावीपणे आणि व्यवस्थितपणे लेखन करू शकतील</li> </ul>	<ul style="list-style-type: none"> <li>• <b>SEA</b> - कोणत्याही दोन भारतीय वैज्ञानिकांची नावे व त्यांच्या शोध कार्याची सचित्र माहिती लिहा. उदा. सी. व्ही. रमन (रामन इफेक्ट), जगदीश चंद्र बोस (वनस्पती जीवशास्त्र), विक्रम साराभाई (भारतीय अंतराळ कार्यक्रम), आणि एपीजे अब्दुल कलाम (क्षेपणास्त्र तंत्रज्ञान).</li> <li>• शिक्षकांशी संबंधित असलेल्या तुमच्या आठवणी सांगा.</li> </ul>	
October	९. औक्षण	<ul style="list-style-type: none"> <li>• औक्षण करताना मनात येणाऱ्या विविध भावनांचे वर्णन करणे.</li> </ul>	<ul style="list-style-type: none"> <li>• कविता तालासुरात म्हणून घेतली.</li> </ul>	18
	१०. रंग साहित्याचे	<ul style="list-style-type: none"> <li>• विविध साहित्यप्रकारांचा परिचय करणे.</li> <li>• वाचलेल्या, लिहिलेल्या, ऐकलेल्या, पाहिलेल्या, समजलेल्या भाषेचा</li> </ul>	<ul style="list-style-type: none"> <li>• <b>ASL</b>- डिजिटल युगातील साहित्याचे भविष्य यावर आधारित वाद विवाद तयार करा.</li> </ul>	

		<p>सर्जनशीलवापर करणे.</p> <ul style="list-style-type: none"> <li>साहित्याचे विविध प्रकार समजून घेऊन त्यांचा आनंद घेणे.</li> <li>संदर्भ आणि लिहिण्याच्या उद्देशानुसार उपयुक्त भाषा शब्द, वाक्ये इत्यादी समजणे त्याचा वापर करणे.</li> <li>प्रभावीपणे आणि व्यवस्थितपणे लेखन करू शकतील</li> </ul>	<p><b>1.</b> पक्ष: डिजिटल क्रांती साहित्यासाठी वरदान आहे</p> <p><b>2.</b> विपक्ष: डिजिटल क्रांती साहित्यासाठी शाप आहे</p>	
	१५. खरा नागरिक	<ul style="list-style-type: none"> <li>प्रसंगावधानामुळे अनेकांचे जीव वाचवू शकतो. याची जाणीव होणे.</li> <li>इच्छासक्तीच्या जोरावर यशस्वी होणे ही भावना मनात रुजवणे.</li> </ul>	<ul style="list-style-type: none"> <li>तुमची दिनचर्या लिहा.</li> </ul>	
November	१६. स्वप्न करू साकार	<ul style="list-style-type: none"> <li>कृषीसंस्कृती, श्रम प्रतिष्ठा एकजूटीचे सामर्थ्य या मूल्याचे महत्व मनात रुजवणे.</li> <li>नवीन तसेच कठीण शब्दाचे अर्थ समजणे व वाक्यात उपयोग करणे.</li> <li>विविध बोली भाषा लक्षपूर्वक व समजपूर्वक ऐकतात .</li> </ul>	<ul style="list-style-type: none"> <li>कविता तालासुरात म्हणून घेतली.</li> </ul>	19
	<ul style="list-style-type: none"> <li>व्युत्पत्ती कोश (स्थूलवाचन)</li> </ul>	<ul style="list-style-type: none"> <li>व्युत्पत्ती ची ओळख होते.</li> </ul>	<ul style="list-style-type: none"> <li>व्युत्पत्ती याचा उपयोग करून तुमच्या नावचा अर्थ शोधा.</li> </ul>	
	सराव	कथालेखन, निबंधलेखन, पत्रलेखन,		

December	Revision	
January	Revision+ Sample Papers + Pre-Boards	
February	CBSE Board Examination	



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade: X

Subject: German

Subject Incharge's name: Ms. Meetali Berry

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	L6: Magst du grüne Bohnen!	<ul style="list-style-type: none"><li>• Children will be able to make sentences with "ob."</li><li>• Children will be able to present a topic.</li><li>• State advantages and disadvantages.</li><li>• Children will be able to conclude presentation.</li><li>• To thank everybody for their interests.</li></ul>	<ul style="list-style-type: none"><li>• Make sentences with ob.</li><li>• Make sentences with adjectives in nominative and accusative case without article</li></ul>	20
June	L7:Die App die Dieb findet	<ul style="list-style-type: none"><li>• Children will know the past tense of verbs.</li></ul>	<ul style="list-style-type: none"><li>• Make sentences in the past tense.</li><li>• Children will make a chart of their room and tell the directions.</li></ul>	20
July	L7:Die App die Dieb findet	<ul style="list-style-type: none"><li>• Children will be able to ask for directions and describe the route</li><li>• Children will know relative clause: relative pronoun with prepositions.</li><li>• Children will know degrees of adjectives:</li></ul>	<ul style="list-style-type: none"><li>• Children will make sentences with "um", "über", gegenüber.</li><li>• Children will make a chart explaining</li></ul>	15

	<b>Revision PT1 syllabus L6 &amp; L7 (präteritum)</b>	comparative and superlative	comparative and superlative degrees	
August	L8:Einfach sprache lernen	<ul style="list-style-type: none"> <li>• Children will be able to talk about limitations</li> <li>• Children will be able to talk about one's own experience with foreign language</li> </ul>	<ul style="list-style-type: none"> <li>• .Children will make sentences with obwohl and weil</li> <li>• Children will be able to read and solve questions related to them</li> </ul>	20
September	Revision <b>HY SYLLABUS</b> <b>L6, L7 &amp; L8</b>			
October	L9: Deine Hilfe zählt	<ul style="list-style-type: none"> <li>• Children will be able to make sentences with relative pronoun "wo – was"</li> <li>• Children will be able to make sentences with clause of time: "als"</li> </ul>	<ul style="list-style-type: none"> <li>• Children narrate about one's own life</li> <li>• Children will be able to speculate and state the order of events.</li> </ul>	20
November	PT2 Revision (Whole syllabus)			
December	Preboard- I(Whole syllabus)			
January	Preboard- II (Whole syllabus) Revision			

February

Board Examinations

March

Board Examinations



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade: 10

Subject - SST 1

Subject Incharge: Debjani Debsarma

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<b>Democratic Politics</b> <b>CH-1 Power Sharing</b>	<ul style="list-style-type: none"> <li>Students will be able to : understand and familiarize with the centrality of power sharing in a democracy.</li> <li>Understand the working of spatial and social power sharing mechanisms.</li> </ul>	Poster making	10
	<b>History</b> <b>Ch. 1: The Rise of Nationalism in Europe</b>	<ul style="list-style-type: none"> <li>Students will critically think about how the advent of the idea of nation.</li> <li>Students will develop citizenship through understanding the contribution of the common mass in the emergency of nation state.</li> <li>Students would be able to enhance their creativity by reflecting on how could the common mass of people contribute to the growth of nationalism.</li> <li>Students would be able to enhance their communication skills by debating on how common mass of people contribute to the growth of nationalism and patriotism</li> </ul>	Group Discussion	15
June	<b>History</b> <b>Ch-2 Nationalism in India</b>	<ul style="list-style-type: none"> <li>To understand the economic and social situations created by the first world war critically examine the impact of the Rowlatt Act and empathize with the Jallianwala Bagh massacre, significance of Salt Satyagraha and Gandhi-Irwin pact. Analyze the various interpretation of Swaraj by different sections of the population.</li> </ul>	Peer comparing	10  15

July	<p><b>Democratic Politics</b> <b>Ch-2 Federalism</b></p> <p><b>History</b> <b>Ch-3 The Making of a Global World</b> <b>Subtopic 1 to 1.3</b></p>	<ul style="list-style-type: none"> <li>• Students will be able:</li> <li>• To Define Federalism</li> <li>• Enumerate the key features of federalism</li> <li>• Differentiate between coming together and holding together federations.</li> <li>• Outline the process and analyze the need of decentralization in India</li> </ul> <ul style="list-style-type: none"> <li>• Students will able to</li> <li>• Analyse the factors which led to globalization</li> <li>• Understand the importance of silk route</li> <li>• Examine the role of technology</li> <li>• Analyse the impact of the first World war on the World.</li> </ul>	<p>Fill in the blanks on the basis of the chapter</p>	<p>8</p> <p>15</p>
August	<p><b>Democratic Politics</b> <b>Ch-4 Gender, Religion and Caste</b></p>	<ul style="list-style-type: none"> <li>• Students will be able to get the knowledge of gender, religion and caste.</li> <li>• Students understand how gender, religion and caste responds to social differences.</li> </ul>	<p>Make a poster how Women in comparison with men from 1950 to 2011</p>	
September	<p>Half-Year Exam</p>	<p>History Ch-1 , 2 and 3 Democratic Politics: Ch-1,2 and 4</p>		<p>15</p>
October	<p>History <b>Ch-5 Print Culture and the Modern World.</b></p> <p>Democratic Politics <b>Ch-6 Political Parties</b></p>	<p>Students will be able to</p> <ul style="list-style-type: none"> <li>• Identify different techniques incorporated to create printed materials like Accordion books.</li> <li>• Describe the process of invention of printing press by Gutenberg in Germany</li> <li>• Collaboratively work and apply knowledge to conclude the role of print in the freedom struggle of India.</li> </ul> <p>Students will able to understand:</p> <ul style="list-style-type: none"> <li>• Meaning of Political Parties</li> <li>• Necessity of the Political Parties</li> </ul>	<p>Make a poster of Political Party Symbols</p>	<p>9</p>

November	Democratic Politics Ch-7 <b>Outcomes of Democracy</b>	<ul style="list-style-type: none"> <li>• Students will be able to understand</li> <li>• Importance of democracy and about its various outcomes</li> <li>• Expect democracy to be accountable, responsive, and legitimate</li> <li>• Analyse the role of democracy in the economic growth and development</li> </ul>	Debate	10
December	Pre board Exam			
January	Pre board Exam			
February	Board Exam			
March	Board Exam			



# MIS INTERNATIONAL SCHOOL, Balewadi

Yearly Planner (2026-2027)

Grade: 9

Subject: Coding

Python Image Processing -1

Teacher name: Ms. Sonali Mandlik

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	Introduction To Image Processing	<p>The student will</p> <ul style="list-style-type: none"><li>• Understand what image processing is and where it is used in real life.</li><li>• Identify different types of digital images (grayscale, RGB, etc.).</li><li>• Explain how images are made using pixels.</li><li>• Describe basic image properties such as resolution, size, and color.</li></ul>	Session 1 Introduction of Python	2
June	Understanding Digital Images	<ul style="list-style-type: none"><li>• Define what a digital image is?</li><li>• Pixel Values in Different Color Modes</li><li>• What is a Grayscale Image?</li><li>• Explain how digital images are made up of pixels.</li><li>• Identify the difference between bitmap (raster) and vector images.</li><li>• Understand image properties such as resolution, width, height, and file size.</li></ul>	Session 2 Drawing Basic Shapes (Variables and Datatypes)	2
July	Loading and Displaying Images	<ul style="list-style-type: none"><li>• Understand what OpenCV is and its role in image processing.</li><li>• Identify the purpose of using OpenCV library in Python.</li><li>• Write the correct syntax to import OpenCV (import cv2).</li><li>• Execute a simple Python program using the OpenCV library.</li><li>• Understand the need for libraries/modules in Python.</li></ul>	Session 3 <ul style="list-style-type: none"><li>• Display the Image.</li><li>• Waiting for a Key Press</li></ul>	2

August	Loading and Displaying Images	<ul style="list-style-type: none"> <li>• What is a Color Model?</li> <li>• Understand how images are loaded using an image processing library.</li> <li>• Write the basic syntax to load an image in Python using OpenCV.</li> <li>• Display an image in a window using appropriate functions.</li> <li>• Identify the difference between loading and displaying an image.</li> </ul>	<p>Session 4</p> <ul style="list-style-type: none"> <li>• Types of Color Models</li> <li>• Grayscale – Black &amp; White Image Representation <ul style="list-style-type: none"> <li>• Python Code using OpenCV and Matplotlib to convert a color image to grayscale and visualize the individual color channels (Red, Green, Blue) separately.</li> </ul> </li> </ul>	2
August	Image Manipulation - Brightness & Contrast	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the meaning of brightness and contrast in digital images.</li> <li>• Identify the difference between brightness adjustment and contrast adjustment.</li> <li>• Explain how brightness affects the lightness or darkness of an image.</li> <li>• Explain how contrast affects the difference between light and dark areas.</li> <li>• Apply basic techniques to increase or decrease brightness of an image.</li> <li>• Adjust contrast to improve image clarity.</li> </ul>	<p>Session 5</p> <p>Adjust Brightness &amp; Contrast</p>	2
September		Half-yearly exam		
October	Applying Filters	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand what image filters are and why they are used.</li> <li>• Identify different types of filters such as blur, sharpen, grayscale, and edge detection.</li> <li>• Explain how filters help in enhancing or modifying images.</li> <li>• Apply a basic blur filter to an image.</li> <li>• Apply grayscale conversion using an image processing tool.</li> </ul>	<p>Session 6</p> <p>1. Blurring (Gaussian Blur)</p>	2

	Drawing on Images	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of drawing on digital images.</li> <li>• Identify different drawing elements such as lines, rectangles, circles, and text.</li> <li>• Use basic OpenCV functions to draw shapes on an image.</li> <li>• Draw a line on an image using coordinates.</li> <li>• Create rectangles and circles on an image.</li> </ul>	<p>Session 7</p> <ul style="list-style-type: none"> <li>• Load an Image and draw shape</li> </ul>	
October	Resizing & Cropping Images	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the difference between resizing and cropping an image.</li> <li>• Explain why resizing and cropping are used in image processing.</li> <li>• Resize an image by changing width and height.</li> <li>• Maintain aspect ratio while resizing an image.</li> </ul> <p>Crop a specific portion of an image using coordinates.</p>	<p>Session 9</p> <ul style="list-style-type: none"> <li>• Edit a family photo: Resize it for a birthday card and crop to focus on a person...</li> </ul>	2
November	Adding Text to Images	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the purpose of adding text to digital images.</li> <li>• Use basic OpenCV functions to insert text on an image.</li> <li>• Specify the position (x, y coordinates) for placing text.</li> <li>• Change font style, size, and thickness of the text.</li> <li>• Apply different text colors on images.</li> <li>• Add labels, titles, or captions to images.</li> </ul>	<p>Session 8</p> <ul style="list-style-type: none"> <li>• Write a Python script to add text annotations to an image with different font styles.</li> </ul>	2

December	Basic Image Transformations	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of image transformation.</li> <li>• Identify different types of transformations such as rotation, flipping, and scaling.</li> <li>• Rotate an image by a specified angle.</li> <li>• Flip an image horizontally and vertically.</li> <li>• Scale an image to increase or decrease its size.</li> </ul>	<p>Session10 :</p> <ul style="list-style-type: none"> <li>• Write a script to rotate, flip, and apply transformations to an image.</li> </ul>	2
January	Combining Multiple Operations	<p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand the concept of combining multiple image processing operations.</li> <li>• Apply more than one operation on a single image step-by-step.</li> <li>• Combine operations such as resize, crop, and rotate.</li> <li>• Apply filters and brightness/contrast adjustments together.</li> </ul>	<p>Session 11</p> <ul style="list-style-type: none"> <li>• Script to Combine Grayscale, Resize, and Add Text</li> </ul>	2
February		Annual exam	Annual exam	



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-2027)

Grade: 10

Subject: Artificial intelligence (417) (Skill Subject)

Teacher's name: Ms. Sonali Mandlik

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<b>(Part B)</b> <b>Unit 7: Advance Python</b>	After studying this chapter, students will be able to: <ul style="list-style-type: none"><li>• Understand to work with Jupyter Notebook, creating virtual environments, installing python Packages.</li><li>• Understand Python concepts, applications, Revise Python basics (variables, loops, functions).</li><li>• Define and use functions; Create and import modules</li><li>• Able to use Python built in functions and libraries.</li></ul>	<ul style="list-style-type: none"><li>• Python coding exercises on basic syntax</li><li>• Practice based Questions</li><li>• Installing Jupyter Notebook</li></ul>	16
	<b>(Part A)</b> <b>Unit 3: Information and Communication Technology Skills-II</b>	After studying this chapter, students will be able to: <ul style="list-style-type: none"><li>• Distinguish between different operating systems.</li><li>• Work with files and folders.</li><li>• Apply basic skills for care and maintenance of a computer.</li><li>• Students demonstrate distinguish between different operating systems.</li><li>• Students can apply basic skills for care and maintenance of computer.</li></ul>	<ul style="list-style-type: none"><li>• Identification of taskbar, icons, menu, etc.</li><li>• Demonstration and practicing of creating, renaming and deleting files and folders, saving files in folders and sub- folders, saving files and folder, restoring files and folders from recycle bin</li></ul>	

June	<p align="center"><b>(Part B)</b></p> <p><b>Unit 3:</b> <b>EVALUATING MODELS :</b></p> <ul style="list-style-type: none"> <li>• Importance of Model Evaluation</li> <li>• Splitting the training set data for Evaluation</li> <li>• Accuracy and Error</li> <li>• Evaluation metrics for classification</li> </ul>	<p>After studying this chapter, students will be able to create :</p> <ul style="list-style-type: none"> <li>• Confusion Matrix</li> <li>• Evaluation Score Calculation</li> <li>• Understand the need for evaluating AI models</li> <li>• Learn the concept of overfitting and underfitting.</li> <li>• Understand the train-test split method</li> <li>• learn about the different types of evaluation techniques in Ai such as accuracy, Precision, Recall and F1 score and their significance</li> </ul>	<p><b>Session:</b> Introduction to Model Evaluation</p> <p><b>Session &amp; Activity:</b> Build a Confusion Matrix from Real Data</p> <p><b>Session:</b> Understanding Accuracy, Precision, Recall &amp; F1 Score</p> <p><b>Activity:</b></p> <ul style="list-style-type: none"> <li>• Practice Evaluation</li> <li>• Metric Match Challenge</li> <li>• AI Weather Predictor Simulation</li> <li>• Calculate the accuracy of the classifier model</li> </ul>	16
June	<p align="center"><b>(Part B)</b></p> <p><b>Unit 4:</b></p> <ol style="list-style-type: none"> <li>1. Statistical data <ul style="list-style-type: none"> <li>• Introduction and No code AI tool</li> </ul> </li> <li>2. statistical data use case Walkthrough</li> </ol>	<p>After studying this chapter, students will be able to:</p> <ul style="list-style-type: none"> <li>• Define the concept of statistical data and understand its application in various.</li> <li>• define no code and low code AI identified the differences between code and no code AI concerning Statistical data</li> <li>• Relate AI project stages to the stages of No-Code AI projects able to use No-Code Tool Orange Data Mining</li> <li>• To perform data exploration Modelling and evaluation with orange data mining</li> </ul>	<p><b>Session: No code AI tool</b></p> <ul style="list-style-type: none"> <li>• Introduction to data science and its application</li> <li>• Meaning of Na-Coda AI</li> <li>• No-Code and Low Code</li> </ul> <p><b>Orange data mining tool:</b> <a href="https://orangedatamining.com/download/">https://orangedatamining.com/download/</a></p> <p><b>Session:</b></p> <ul style="list-style-type: none"> <li>• important concepts in Statistics</li> <li>• Orange data mining</li> <li>• AI progress cycle in orange data mining</li> </ul> <p><b>Activity:</b> MS Excel for Statistical Analysis</p> <ul style="list-style-type: none"> <li>• Case study using Orange Data mining (Palmer penguins)</li> </ul>	10

<p>June /July</p>	<p><b>(Part : B)</b></p> <ul style="list-style-type: none"> <li>• <b>Unit 1: Revising AI Project Cycle and Ethical Frameworks for AI</b></li> <li>• Introduction to AI</li> <li>• Ethical frameworks of AI</li> </ul>	<p>After studying this chapter, students will be able to:</p> <p><b>AI PROJECT CYCLE :</b> Understand the stages involved in the AI project cycle, such as problem scoping, data collection, data exploration, modeling, evaluation.</p> <ul style="list-style-type: none"> <li>• Understand the concept of AI domains and the illustration of practical application within each AI domain</li> <li>• learn about the ethical Framework for AI and its category</li> </ul>	<p><b>Session:</b> Revising AI project Cycle</p> <p><b>Session:</b> The three domains of AI and their applications</p> <p><b>Session:</b> Frameworks, Ethical Framework and need of ethical frameworks for AI</p> <p><b>Activity:</b> My goodness <a href="https://www.my-goodness.net/">https://www.my-goodness.net/</a></p> <p><b>Session:</b> Bioethics and a case study in bioethics</p>	<p>12</p>
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<p>July</p>	<p><b>(Part : B)</b>  <b>UNIT 2:</b>  <b>Advance Concepts of Modeling in AI :</b></p> <ul style="list-style-type: none"> <li>• Revisiting AI, ML, DL  Session: Differentiate between AI, ML, and DL</li>   <li>• Modeling</li>                 <li>• Artificial Neural Networks</li> </ul>	<p>After studying this chapter, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand AI, ML and DL</li>   <li>• Familiarize with supervised, unsupervised and reinforcement learning based approach</li> <li>• Understand subcategories of Supervised, Unsupervised and deep learning models.</li>                 <li>• Understand Neural Networks</li> <li>• Understand how AI makes a decision.</li> </ul>	<p><b>Session:</b> Differentiate between AI, ML, and DL  Session: Common terminologies used with data.</p> <p><b>Session:</b> Types of AI Models: Rule Based Approach, Learning Based Approach  <b>Session:</b> Categories of Machine learning based models: Supervised Learning  <a href="https://teachablemachine.withgoogle.com/">https://teachablemachine.withgoogle.com/</a>, Unsupervised Learning  <a href="https://experiments.withgoogle.com/ai/drumachine/view/">https://experiments.withgoogle.com/ai/drumachine/view/</a>  Reinforcement Learning  <b>Session:</b> Subcategories of Supervised Learning Model: Classification Model, Regression Model  <b>Session:</b> Subcategories of Unsupervised Learning Model: Clustering, Association  <b>Session:</b> Subcategories of Deep Learning: Artificial Neural networks (ANN), Convolutional Neural Network (CNN)  <b>Session:</b> What is Neural Network?  <b>Session:</b> How does AI make a Decision?  <b>Activity:</b> Human Neural Network – The Game Suggested Neural Network  <b>Activity:</b> <a href="https://playground.tensorflow.org/">https://playground.tensorflow.org/</a></p> <p><b>Sessions:</b></p> <ul style="list-style-type: none"> <li>• Methods of communication A.  Verbal B. Non-verbal C. Visual</li> </ul> <p>1. Communication cycle and importance of feedback</p>	<p>16</p>
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	<p><b>(Part A)</b></p> <p><b>Unit 1: Communication Skills-II</b></p>	<p>After studying this chapter, students will be able to:</p> <p>Demonstrate knowledge of various methods of Communication.</p> <ul style="list-style-type: none"> <li>• Provide descriptive and specific feedback</li> <li>• Apply measures to overcome barriers in Communication</li> <li>• Apply principles of communication</li> <li>• Demonstrate basic writing skills</li> </ul>	<p>2. Meaning and importance of feedback 3. Descriptive feedback – written comments or conversations 4. Specific and nonspecific feedback.</p> <ul style="list-style-type: none"> <li>• 1. Barriers to effective Communication –types and factors</li> </ul> <p>2. Measures to overcome barriers in effective Communication.</p> <p>1. Principles of effective communication 2.Cs of effective communication</p> <p><b>Activity:</b> Writing pros and cons of written, verbal and nonverbal communication.</p> <ul style="list-style-type: none"> <li>• Enlisting barriers to effective communication</li> </ul> <p>2. Applying measures to overcome barriers in communication</p> <p>1. Constructing sentences that convey all facts required by the receiver 2. Expressing in a manner that shows respect to the receiver of the message. 3. Exercises and games on applying 7Cs of effective communication.</p>	<p>5</p>
<p>August</p>	<p><b>(Part A)</b></p> <p><b>Unit 2: Self-Management</b></p>	<p>After studying this chapter, students will</p>	<p><b>Session:</b> Meaning and importance of stress management</p> <p>2. Stress management techniques – physical exercise, yoga, meditation 3. Enjoying, going to vacations and holidays with family and friends 4. Taking nature walks</p>	<p>10</p>

	<b>Skills -II</b>	be able to: <ul style="list-style-type: none"> <li>• Apply stress management techniques</li> <li>• Demonstrate the ability to work independently</li> </ul>	<b>Session:</b> 1. Importance of the ability to work independently 2. Describe the types of self awareness 3. Describe the meaning of self-motivation and self- regulation <b>Activity:</b> Exercises on stress management techniques – yoga, meditation, physical exercises 2. Preparing a write-up on an essay on experiences during a holiday trip	
September	Half yearly Exam			
October	<b>(Part : B)</b> <b>UNIT 5: COMPUTER VISION</b>  Introduction          Concepts of Computer Vision	After studying this chapter, students will be able to: <ul style="list-style-type: none"> <li>• Define the concept of Computer Vision and understand its applications in various fields.</li> <li>• List the characteristics of successful Entrepreneur.</li> <li>• Understand the basic concepts of image representation,</li> <li>• feature extraction, object detection, and segmentation.</li> </ul>	<b>Session:</b> Introduction to Computer Vision <b>Session:</b> Applications of CV  <b>Session:</b> Understanding CV Concepts <ul style="list-style-type: none"> <li>• Computer Vision Tasks</li> <li>• Basics of Images-Pixel, Resolution, Pixel value</li> <li>• Grayscale and RGB images</li> </ul> <b>Activities:</b> <ul style="list-style-type: none"> <li>• Game- Emoji Scavenger Hunt  <a href="https://emojiscavengerhunt.withgoogle.com">https://emojiscavengerhunt.withgoogle.com</a></li> <li>• RGB Calculator:  <a href="https://www.w3schools.com/colors/colors_r">https://www.w3schools.com/colors/colors_r</a></li> </ul> Create your own convolutions:	16

	<p>No-Code AI Tools</p> <ul style="list-style-type: none"> <li>Convolution Neural Network</li> </ul> <p><b>(Part A)</b></p>	<p>To demonstrate proficiency in using no-code AI tools for computer vision projects.</p> <p>To deploy models, fine-tune parameters, and interpret results. Skills acquired include data preprocessing, model selection, and project deployment.</p> <p>Understand the basic architecture of a CNN and its applications in computer vision and image recognition.</p> <p>After studying this chapter, students will be able to understand the following concept:</p> <ol style="list-style-type: none"> <li>1. Entrepreneurship and society</li> <li>2. Qualities and functions of an</li> </ol>	<p><a href="http://setosa.io/ev/image-kernels/">http://setosa.io/ev/image-kernels/</a></p> <ul style="list-style-type: none"> <li>• Create your own convolutions: <a href="http://setosa.io/ev/image-kernels/">http://setosa.io/ev/image-kernels/</a></li> </ul> <p>Introduction to Lobe: <a href="https://www.lobe.ai/">https://www.lobe.ai/</a></p> <p>Teachable Machine: <a href="https://teachablemachine.withgoogle.com/">https://teachablemachine.withgoogle.com/</a></p> <ul style="list-style-type: none"> <li>• Activity: Build a Smart Sorter</li> </ul> <p>Orange Data Mining Tool: <a href="https://orangedatamining.com/download/">https://orangedatamining.com/download/</a></p> <p>Activity: Build a real-world Classification Model: Coral Bleaching (Use Case Walkthrough)</p> <ul style="list-style-type: none"> <li>• Link to the steps involved in project development and dataset: <a href="https://drive.google.com/drive/folders/1ppJ4">https://drive.google.com/drive/folders/1ppJ4</a></li> </ul> <p>Session: Introduction to CNN</p> <p>Session: Understanding CNN</p> <ul style="list-style-type: none"> <li>• Kernel</li> <li>• Layers of CNN</li> </ul> <p>Activity: Testing CNN</p> <p><b>Activity:</b></p> <ol style="list-style-type: none"> <li>1. Writing a note on Entrepreneurship as career option</li> <li>2. Collecting success stories of first generation and local entrepreneurs</li> </ol>	
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	<p><b>Unit 4: Entrepreneurial Skills-II</b></p> <ul style="list-style-type: none"> <li>List the characteristics of successful entrepreneurs</li> </ul> <p><b>(Part A)</b></p> <p><b>Unit 5: Green Skills-II</b></p>	<p>Entrepreneur.</p> <p>3. Role and importance of an Entrepreneur.</p> <p>4. Myth about entrepreneurship</p> <p>5. Entrepreneurship as a career option.</p> <p>Demonstrate the knowledge of importance, problems and solutions related to sustainable development.</p>	<p>3. Listing the entrepreneurial qualities analysis of strength and weaknesses</p> <p>4. Group discussion of self- qualities</p> <p>5. that students feel are needed to become successful entrepreneur</p> <p>6. Collect information and related data for a business</p> <p>7. Make a plan in team for setting up a business.</p> <p><b>Activity:</b></p> <p>1. Identify the problem related to sustainable development in the community.</p> <p>2. Group discussion on the importance of respecting and conserving indigenous knowledge and cultural heritage</p> <p>3. Discussion on the responsibilities and benefits of environmental citizenship, including the conservation and protection of environmental values.</p> <p>4. Preparing models on rain water harvesting, vermin compost, solar energy, solar cooker etc.</p>	<p>10</p> <p>10</p>
November	<p><b>Part B</b></p> <p><b>UNIT 6:</b></p> <p><b>NATURAL LANGUAGE PROCESSING</b></p> <ul style="list-style-type: none"> <li>Introduction</li> </ul>	<p>After studying this chapter, students will be able to understand</p> <ul style="list-style-type: none"> <li>Comprehend the complexities of natural languages. and elaborate on the need for NLP techniques for</li> </ul>	<p><b>Session:</b> Features of natural languages.</p> <p><b>Session:</b> Introduction to Natural Language Processing.</p>	16

	<ul style="list-style-type: none"> <li>Applications of Natural Language Processing</li> </ul> <p>Stages of Natural Language Processing (NLP)</p> <p>Chatbots</p> <p>Concepts of Natural Language Processing: Text Processing</p>	<p>machines to understand various natural languages effectively.</p> <ul style="list-style-type: none"> <li>Explore the various applications of NLP in everyday life, such as, voice assistants, auto generated captions, language translation, sentiment analysis, text classification and keyword extraction. Understand the concepts like lexicon, syntax, semantics, and logical analysis of input text.</li> <li>Understand the concept of chatbot and the differences between smartbots and script bots.</li> </ul> <p>Learn about the Text Normalization technique used in NLP and the popular NLP model - Bag-of-Words</p>	<p><b>Session:</b> Various real-life applications of NLP</p> <p><b>Activity:</b> Keyword Extraction  <a href="https://cloud.google.com/natural-language">https://cloud.google.com/natural-language</a></p> <p><b>Session:</b> Explore the various stages of NLP that involve in understanding and processing human language.</p> <p><b>Activity:</b> Play with chatbots Elizabot - <a href="https://www.masswerk.at/elizabot/">https://www.masswerk.at/elizabot/</a>  Mitsuki –  <a href="https://www.kuki.ai/">https://www.kuki.ai/</a> Cleverbot - <a href="https://www.cleverbot.com/">https://www.cleverbot.com/</a> Singtel - <a href="https://www.singtel.com/personal/support">https://www.singtel.com/personal/support</a> Session:  Script Bot V/s Smart Bot</p> <p><b>Session:</b> Text Processing</p> <ul style="list-style-type: none"> <li>Text Normalisation</li> <li>Bag of Words Hands-on: Text processing</li> <li>Data Processing</li> <li>Bag of Words</li> <li>TFIDF</li> </ul>	
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December	Revision and Exam	16
January	Revision and Exam	16
February	Revision and Exam	16
March	Annual Exam	



# MIS INTERNATIONAL SCHOOL

## Yearly Planner (2026-27)

Grade: X

Subject: Mathematics

Teacher's name: Shweta Mishra

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	1. Real Numbers	<ul style="list-style-type: none"> <li>Application of fundamental theorem of arithmetic to find lowest common</li> <li>Multiple (LCM) and highest common factor (HCF) of two or more numbers.</li> <li>Irrationality of numbers, decimal expansion of rational and irrational numbers</li> <li>Fundamental theorem of arithmetic in order to apply them to solve problems related to real life contexts.</li> </ul>		7
	2. Polynomials	<ul style="list-style-type: none"> <li>Graphical representation of the zeroes of a polynomial , Formation of quadratic</li> <li>polynomial when sum and product of its zeroes is given, Zeroes and coefficients and their relationship,</li> <li>Mathematical operation division of polynomials.</li> <li>Uses Algebraic and Graphical method of finding zeroes of a polynomial in order to establish a relationship between zeroes and the coefficients.</li> </ul>	<ul style="list-style-type: none"> <li><b>Lab Act</b> - To draw the graph of a quadratic polynomial.</li> </ul>	10
	3. Pair of Linear Equations in Two Variables	<ul style="list-style-type: none"> <li>To learn to plot two equations on graph.</li> <li>Formulate the given situation as a pair of linear equations and hence find their solution</li> </ul>		5
June	3. Pair of Linear Equations in Two Variables <b>(Continued)</b>	<ul style="list-style-type: none"> <li>To analyze graph</li> <li>Uses graphical and other methods in order to find solutions of pairs of linear equations in two variables.</li> </ul>	<ul style="list-style-type: none"> <li><b>Lab Act</b> - To draw the graph of the pair of linear equations in two variables.</li> </ul>	5

	4.Quadratic Equations	<ul style="list-style-type: none"> <li>Recall the concept of quadratic polynomials and correlate with linear equation and quadratic equation.</li> <li>Represent the equation in general form as <math>ax^2 + bx + c = 0</math> where a, b, c are real numbers <math>a \neq 0</math>.</li> <li>Solve the quadratic equation by using different methods. <ul style="list-style-type: none"> <li>a) Prime Factorization</li> <li>b) Quadratic Formula</li> </ul> </li> <li>Recall factorization method and apply the same to quadratic equation.</li> <li>Apply the method of completing the squares to solve a quadratic equation and show the same geometrically</li> <li>Calculate discriminant to find nature of roots and apply the same to problem solving</li> <li>Demonstrates knowledge of application of various strategies</li> </ul>	<ul style="list-style-type: none"> <li><b>Lab Act</b> -To find the solution of a quadratic equation geometrically.</li> </ul>	15
July	5. Arithmetic Progressions	<ul style="list-style-type: none"> <li>Recognize the patterns in a given series.</li> <li>Understand the term 'common difference' and its importance in an A.P.</li> </ul>		3
	5.Arithmetic Progressions <b>(Continued)</b>	<ul style="list-style-type: none"> <li>Identify the situations in daily life where the A.P.is observed and apply it in solving problems</li> <li>Identify the first term and the common difference Apply the formula and calculate the nth term of an AP</li> <li>Apply the formula and calculate the sum up to n terms of an A.P.</li> <li>Develops strategies in order to apply the concept of AP to daily life situations.</li> </ul>	<ul style="list-style-type: none"> <li><b>Lab Act</b> – To verify the formula <math>a_n = a + (n - 1)d</math> for <math>n^{th}</math> term of an A P.</li> </ul>	7
	6.Triangles	<ul style="list-style-type: none"> <li>To understand the concept of similarity of triangles.</li> <li>To prove and apply Basic Proportionality Theorem</li> <li>To learn and apply similarity rules (SAS,SSS,ASA, RHS)</li> <li>To learn and apply Pythagoras Theorem and its converse.</li> <li>Uses reasoning in order to differentiate between congruent and similar figures.</li> <li>Uses different geometric criteria established earlier such as Basic Proportionality Theorem etc. in order to establish</li> </ul>	<ul style="list-style-type: none"> <li><b>Lab Act</b> – <ul style="list-style-type: none"> <li>a) To verify Basic Proportionality Theorem (Thales Theorem).</li> </ul> To find the height of the tree / pole by using the properties of Similar Triangles.</li> </ul>	12

		properties for similarity of two triangles.		
	7.Co-ordinate Geometry	<ul style="list-style-type: none"> <li>To recall/recognize distance formula, section formula</li> <li>Formula for finding area of triangle in term of coordinates</li> <li>To prove distance formula , section formula and formula for area of triangle in terms of coordinates</li> </ul>	.	5
August	7.Co-ordinate Geometry	<ul style="list-style-type: none"> <li>To differentiate distance formula, section formula and area of triangle formula</li> <li>To use the distance formula, section formula area of triangle formula in solving problems</li> <li>To use the knowledge of coordinate geometry in daily life</li> <li>To construct the Cartesian plane</li> <li>To plot the pints in the coordinate plane using the coordinates.</li> <li>To handles the geometrical instruments with ease and proficiency during the construction of Cartesian plane and plotting the points</li> </ul>	<ul style="list-style-type: none"> <li>Lab Act – To verify Distance Formula by Graphical Method.</li> </ul>	8
	8. Introduction to Trigonometry	<ul style="list-style-type: none"> <li>To prove Trigonometric ratios.</li> <li>To verify Trigonometric identities.</li> <li>To differentiate Trigonometric identities from one another.</li> </ul> <p>To find the Trigonometric ratios of specific angles</p> <ul style="list-style-type: none"> <li>To convert the identity into the required form.</li> <li>To use Trigonometric ratios in solving problems.</li> <li>To use the knowledge heights and distances in daily life.</li> <li>To handles the geometrical instruments with ease and proficiency.</li> </ul> <p>To carry out the oral and written calculations with ease and speed.</p>		15
September	Half Yearly Exam			
	9. Applications of Trigonometry	<ul style="list-style-type: none"> <li>Students will know about line of sight.</li> <li>Students will know about angle of elevation and depression.</li> <li>Students will know about use of trigonometric ratios in daily life.</li> <li>Students will be able to draw diagram of given height and</li> </ul>		10

		<p>distance question.</p> <ul style="list-style-type: none"> <li>• Students will be able to find the height of any object.</li> <li>• Students will be able to find the angle of elevation with the help of trigonometric ratios.</li> <li>• Students will be able to solve the word problems on heights and distances using trigonometric ratios.</li> </ul>		
October	10. Circles	<ul style="list-style-type: none"> <li>• To develop the mathematical skills like speed, accuracy, neatness, brevity, estimation, etc among the students.</li> <li>• To develop their logical thinking, reasoning power, analytical thinking, critical thinking.</li> <li>• To develop their power of decision-making and observing minutely.</li> <li>• To develop the technique of problem solving.</li> <li>• To recognize the adequacy or inadequacy of given topic (circles) in relation to any problem on individual basis.</li> <li>• To develop their ability to analyze about triangles, parallelogram and its properties, to draw inferences and to generalize from the given explanation of different book.</li> <li>• To develop their heuristic attitude and to discover solutions and proofs with their own independent efforts.</li> <li>• To develop their mathematical knowledge for solving problems based on area of parallelogram and triangles.</li> <li>• To develop their scientific attitude i.e. to estimate, find and verify results.</li> </ul>	<p><b>Lab Act –</b></p> <p>a) To find the number of tangents from a point to a circle.</p> <p>b) To verify that lengths of tangents from an external point to a circle are equal.</p>	8
	15. Probability	<ul style="list-style-type: none"> <li>• Define Theoretical/classical probability.</li> <li>• Find the number of possible outcomes and favourable outcomes of an event.</li> <li>• Write the formula for probability of an event.</li> <li>• Determine the complementary event of an event.</li> <li>• Solve the problems based on probability.</li> <li>• Perform activity on Probability.</li> <li>• Apply theoretical probability in studying higher order Mathematics.</li> </ul>	<p>MCQs / Google Quiz</p> <p>Lab Act – To find Experimental Probability of each outcome of a Die when it is thrown for a large number of times.</p>	5
	12. Areas Related to Circles	<ul style="list-style-type: none"> <li>• After studying this lesson student should know the circle and its components.</li> <li>• Student should know the area and perimeter related to all the plane figures like circle, semi-circle, quadrant, segment,</li> </ul>		10

		<p>sector, different types of triangles and different types of quadrilaterals.</p> <ul style="list-style-type: none"> <li>• Students should know the method of solving the problems of plane figures in combination form.</li> <li>• Student establish co-relation between area of circle and area of segment of a circle and area of sector of a circle.</li> <li>• Student identifies the contexts where areas of segments and sectors of a circle may be used in day-to-day problems.</li> </ul>		
November	13. Surface Areas and Volumes	<ul style="list-style-type: none"> <li>• Visualizes objects in surrounding as a combination of different solids like</li> <li>a) cylinder and a cone, cylinder and a hemisphere, combination of different cubes etc. in order to find their surface areas and volumes.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Lab Act</b> – To compare the volumes of a right circular cylinder and a right circular cone of same base radii and same height.</li> </ul>	10
	14. Statistics	<ul style="list-style-type: none"> <li>• Getting acquainted with three measures of central tendency</li> <li>• Developing ability to calculate these measures of central tendency using various methods</li> <li>• Identification and application of suitable method for easy calculation</li> <li>• Getting ability to apply concepts in real life situations</li> </ul>	<ul style="list-style-type: none"> <li>• Raw data collection, grouping, analysing and interpretation</li> <li>• Lab Act – To draw Less than type and More than type Ogive for the given data.</li> </ul>	8
December	Revision + Pre-Boards			
January	Revision + Pre-Boards +Sample Papers			
February	Boards			
March	CBSE Board Examination			

Note: Term-1 : Ch-1,2,3,6,7,8,12,15

Term-2 : 4,5,9,10,11,13,14



# MIS INTERNATIONAL SCHOOL

## Yearly Planner (2026 -27)

Grade: X

Subject: Science

Teacher's name: Ms. Ashwini / Ms. Minal / Ms. Snehal

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	Chapter 1 - Chemical reactions and equations	<b>Learners will be able to-</b> <ul style="list-style-type: none"><li>• Apply scientific concepts in daily life and solving problems.</li><li>• Draw conclusion.</li><li>• Differentiate and classify materials/ objects/ organisms/ phenomena/ processes.</li><li>• Calculate using the data given.</li><li>• Use scientific conventions / symbols /equations to represent various quantities/ elements / units.</li><li>• Derive formulae/ equation.</li></ul>	Performing and observing the following reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction (i) Action of water on quicklime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions.	10
	Chapter 6 - Life processes	<ul style="list-style-type: none"><li>• Differentiate materials/ objects / organisms / phenomena/processes.</li><li>• Plan and conducts investigations/ experiments to arrive at and verify the facts/ principles/phenomena or to seek answers to queries on their own.</li><li>• Explain processes and phenomena with causes/ effects.</li><li>• Draw labeled diagrams /flow charts/concept</li></ul>	Experimentally show that carbon dioxide is given out during respiration.	8

		<p>map /graphs.</p> <ul style="list-style-type: none"> <li>• Exhibit creativity in designing models using eco-friendly resources.</li> </ul>		
June	Chapter 9 - Light-reflection and Refraction	<ul style="list-style-type: none"> <li>• Plan and conduct investigations/ experiments to arrive at and verify the facts / principles/phenomena or to seek answers to queries on their own.</li> <li>• Explain processes and phenomena with causes/ effects.</li> <li>• Calculate using the data given.</li> <li>• Use scientific conventions / symbols</li> <li>• Measure physical quantities using appropriate apparatus/ instruments/ devices /equations to represent various quantities/ elements / units.</li> <li>• Derive formulae/ equations/laws.</li> <li>• Apply scientific concepts in daily life and solve problems.</li> </ul>	<p>Determination of the focal length of (i) Concave mirror and (ii) Convex lens by obtaining the image of a distant object.</p> <p>Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.</p>	10
	Chapter 2 – Acids bases and Salts	<ul style="list-style-type: none"> <li>• Differentiate and classify materials/ objects / organisms / phenomena/ processes.</li> <li>• Plan and conduct investigations/ experiments to arrive at and verify the facts/ principles/ phenomena or to seek answers to queries on their own.</li> <li>• Relate processes and phenomena with causes/effects.</li> <li>• Explain processes and phenomena with causes/ effects.</li> <li>• Analyse and interpret data /graph /figure</li> <li>• Measure physical quantities using appropriate apparatus/ instruments/devices.</li> </ul>	<p>A. Finding the pH of the following samples by using pH paper/universal indicator:</p> <p>(i) Dilute Hydrochloric Acid  (ii) Dilute NaOH solution  (iii) Dilute Ethanoic Acid solution  (iv) Lemon juice  (v) Water  (vi) Dilute Hydrogen Carbonate solution</p> <p>B. Studying the properties of acids and bases (HCl &amp; NaOH) on the basis of their reaction with:</p> <p>a) Litmus solution (Blue/Red)  b) Zinc metal</p>	8

			c) Solid sodium carbonate	
	Chapter 7 – Control and Coordination	<ul style="list-style-type: none"> <li>• Define reflex action, Tropic and Nastic movements.</li> <li>• Identify the different parts of the brain.</li> <li>• Differentiate the different types of nerves based on structure and function.</li> <li>• Understand the communication between CNS and parts of the body and the mechanism of reflex action.</li> <li>• Acquire knowledge about the structure and function of nervous system in animals and coordination in plants.</li> <li>• Appreciate the role of feedback mechanism of endocrine system in our life.</li> </ul>	To study the phenomenon of phototropism and geotropism in plants. Experiment to demonstrate plant bends towards the light. Identify the endocrine glands mentioned in the figure.	10
July	Chapter 10 –Human Eye and colorful world	<ul style="list-style-type: none"> <li>• Explain processes and phenomena with causes/ effects.</li> <li>• Calculate using the data given.</li> <li>• Use scientific conventions / symbols</li> <li>• Measure physical quantities using appropriate apparatus/ instruments/ devices /equations to represent various quantities/ elements / units.</li> <li>• Derive formulae/ equations/laws.</li> <li>• Apply scientific concepts in daily life and solve problems.</li> </ul>	Dispersion of white light through prism Tyndall Effect activity	8
	Chapter 8 - How do organisms reproduce?	<ul style="list-style-type: none"> <li>• Relate processes and phenomena with causes/effects.</li> <li>• Explain processes and phenomena with causes/ effects.</li> <li>• Draw labeled diagrams /flow charts/ concept map /graphs.</li> <li>• Apply scientific concepts in daily life and solving problems.</li> <li>• Draws conclusion.</li> </ul>	Separating the various parts of any 5 flowers displaying and comparing them. Growing some plants by vegetative propagation.	10

August	Chapter 9 - Heredity	<ul style="list-style-type: none"> <li>• Explain processes and phenomena with causes/ effects.</li> <li>• Draw labeled diagrams /flow charts/concept map /graphs.</li> <li>• Draw conclusion.</li> <li>• Take initiative to know about scientific discoveries/inventions.</li> </ul>	<p>Study of homologous and analogous organs with suitable specimens.</p> <p>Finding out Mendelian monohybrid and Dihybrid ratio by using pea seeds (Colour of the seed, Shape of the seeds)</p>	6
September	Chapter 3 – Metals and non-metals	<ul style="list-style-type: none"> <li>• Classify materials/ objects / organisms /phenomena /processes.</li> <li>• Explain processes and phenomena with causes/ effects.</li> <li>• Draw labeled diagrams /flow charts/concept map /graphs.</li> <li>• Analyse and interpret graphs/ figures.</li> </ul>	<p>A. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:            (i) ZnSO<sub>4</sub>(aq)            (ii) FeSO<sub>4</sub>(aq)            (iii)CuSO<sub>4</sub>(aq)            (iv)Al<sub>2</sub> (SO<sub>4</sub>)<sub>3</sub>(aq)</p> <p>B. Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.</p>	4
	Chapter 12 - Electricity	<ul style="list-style-type: none"> <li>• Plan and conduct investigations/ experiments to arrive at and verify the facts/ principles/phenomena or to seek answers to queries on their own</li> <li>• Explain processes and phenomena with causes/ effects</li> <li>• Draw labeled diagrams /flow charts /concept map /graphs</li> <li>• Relate processes and phenomena with causes/effects</li> <li>• Analyze and interpret graphs/ figures,</li> <li>• Calculate using the data given</li> <li>• Use scientific conventions / symbols /equations to represent various quantities/ elements / units.</li> </ul>	<p>Make an electric circuit using potatoes (or lemon), connecting wires, LED bulb and a switch.</p> <p>To study the relation between potential difference through a conductor and the current through it: Ohm's Law</p>	4

		<ul style="list-style-type: none"> <li>• Derive formulae/ equations.</li> </ul>		
	Chapter 15 - Our environment	<ul style="list-style-type: none"> <li>• Apply learning in hypothetical situation.</li> <li>• Apply scientific concepts in daily life and solving problems.</li> <li>• Differentiates and classifies materials/ objects / organisms / phenomena/ processes.</li> <li>• Make efforts to conserve environment realizing the interdependency and interrelationship in the biotic and abiotic factors of environment.</li> </ul>	<p>Make a list of biodegradable and non-biodegradable wastes          Make a list of natural and man-made ecosystems.          Prepare models of food chains and food webs.          Draw the biogeochemical cycles.          Identify the various sources of biological magnifications taking place in your village.</p>	3
October	Chapter 4 – Carbon and its compounds	<ul style="list-style-type: none"> <li>• Differentiate and classify materials/ objects / organisms / phenomena/ processes.</li> <li>• Plan and conduct investigations/ experiments to arrive at and verify the facts/ principles/phenomena or to seek answers to queries on their own.</li> <li>• Draw labeled diagrams /flow charts/concept map /graphs.</li> <li>• Use scientific conventions / symbols /equations to represent various quantities/ elements / units.</li> <li>• Derive formulae/ equation.</li> </ul>	<p>Identify and name the functional groups present in the given compounds.</p>	10
	Chapter 13 - Magnetic effect of electric current	<ul style="list-style-type: none"> <li>• Relate processes and phenomena with causes/effects.</li> <li>• Explain processes and phenomena with causes/ effects.</li> <li>• Use scientific conventions / symbols /equations to represent various quantities/ elements / units.</li> <li>• Derive formulae/ equation.</li> <li>• Take initiative to know about scientific discoveries/ inventions.</li> </ul>	<p>A video on the Magnetic Field lines and with the help of a bar magnet and compass needle magnetic field lines are plotted in a plane sheet.</p>	

		<ul style="list-style-type: none"> <li>• Classify materials/ objects / organisms /phenomena /processes.</li> <li>• Exhibit creativity in designing models using eco-friendly resources.</li> </ul>		
November				
	PT 2			4
December	Revision			
January	Pre-Boards			
February	Sample Papers Discussion			
March	CBSE BOARD EXAMINATION			



# MIS INTERNATIONAL SCHOOL, BALEWADI

## Yearly Planner (2026-27)

Grade:10

Subject: SST-2

Teacher's name: Neerja Wahi

Month	Course Description	Learning Outcomes	Activities	No. of Periods
April	<b>Geography</b> Ch. 1: Resources and Development	<ul style="list-style-type: none"><li>To make the learners understand the value of resources.</li><li>To make the learners understand the need for their judicious utilization and conservation.</li></ul>	<ul style="list-style-type: none"><li>Group discussion Conservation of various resources in school</li></ul>	5
	<b>Economics</b> Ch.1: Development	<ul style="list-style-type: none"><li>Students will be able to familiarize with concepts of macroeconomics.</li><li>To understand the rationale for overall human development in our country, which includes the rise of income, improvements in health and education rather than income.</li></ul>	Compare the nutritional level of people in Maharashtra and any other state of your choice.	5

June	<p><b>Geography</b> Ch-2 Forest and Wildlife resources.</p> <p><b>Economics</b> Ch-2 Sectors of India Economy.</p>	<p>Students will be able : To understand the importance of biodiversity with regard to flora and fauna in India.</p> <p>Students will be able: To analyse the importance of conservation of forests and wildlife.</p> <p>To understand the major employment generating sectors. Students will be able to reason out the government investment in different sectors of the economy.</p>	<p>Poster making Chipko movement</p> <p>Group Discussion 3 sectors in Indian economy</p>	<p>5</p> <p>5</p>
July	<p><b>Geography</b> Ch-3 Water Resources</p> <p>Economics Ch 3 Money and Credit</p>	<p>Students will be able: To comprehend the importance of water as a resource. The students will develop awareness towards its judicious use and conservation. Learners will understand money as an economic concept.</p> <p>Students will be able to understand the role of financial institutions from the point of view of day-to-day life.</p>	<p>Collect information on how industries are polluting our water resources</p> <p>Activity on pg 47. Economics TB.</p>	<p>5</p> <p>5</p>

PT1 exams. Geography Ch. 1: Resources and Development Economics Ch. 1: Development				
August	<p><b>Geography</b> Ch: 4 Agriculture</p> <p>Economics Ch:4 Globalisation and the Indian Economy</p>	<p>Students will be able to understand the importance of agriculture in Indian economy.</p> <p>Learners will be able to identify the various types of farming methods.</p> <p>Students will be able to understand the production across the country. Learners will be able to explain the working of the Global Eco.phenomenon</p>	<p>Group discussion on the necessity of literacy among farmers.</p> <p>Debate</p> <p>Companies should have flexible policies .</p>	<p>5</p> <p>5</p>
September	<p><b>Half Yearly Exams</b> Geography: Ls-1 Resources and Development, Ls-2 Forest and Wildlife Resources, Ls-3 Water Resources. Economics: Ls-1 Development, Ls-2 Sectors of Indian economy.</p>			
October	<p><b>Geography</b> Ch: 5 Minerals and Energy Resources</p> <p><b>Economics</b> Ch 5 Consumer rights.</p>	<p>Students will be able to understand the different types of minerals and energy resources and places of their availability.</p> <p>Students will feel the need for their judicious utilization. Learners will get familiarized with the rights and duties as a consumer. Learners will learn about the legal measures available to protect from being exploited in markets.</p>	<p>Collect information about newly established solar power plants in India</p> <p>Prepare posters with catchy slogans.</p>	<p>5</p> <p>5</p>
November	<p><b>Geography</b> Ch: 6 Manufacturing Industries</p>	<p>The students will understand the importance of industries in the national economy</p>	<p>Select any one agro-based and one material based industry (District) and write information about it</p>	<p>5</p>

	<b>Geography</b> Ch 7 Lifelines of National Economy	The learners will understand the role of trade and tourism in the economic development of a country.	On the map show important tourist places of your state.	5
	Revision			
January	Revision			
February	Revision			
March	Annual Exams			