

KOHINOOR INTERNATIONAL SCHOOL, PANKHU



ACADEMIC CURRICULUM

for session

2024 – 2025

GRADE : 9TH

GRADE-9 ENGLISH (Books- Beehive and Moment, NCERT)

MONTHS	No of working days	CHAPTER NAME	Learning objectives	Activities
APRIL	20	Ch-1 The Fun They Had The Road not taken (Poem) Ch-2 The Sound of Music Ch-3 The Little Girl Grammar -Cloze, Determiners Reading comprehension, paragraph writing, short story writing	Identify the genres for pleasure specially science fiction, significance of two roads, poetic device, analyzing the success story of a differently abled person, co-relate the ideas and thoughts of the protagonist with the parents interpret the feelings of elders towards the children,	Group discussion, grammar game
MAY	24	1.The Lost Child 2.Adventures of Toto 3. Iswaran- The Story Teller Grammar - Subject Verb Agreement, Modals, Gap filling, Error Correction Reading Comprehension, Diary Entry	Care towards loved ones, humorous and horrible elements of story	Speaking on favorite things
Periodic Test I - Based on the concepts covered in April				
June- Summer Break				
JULY	25	4. In the Kingdom of Fools The Wind(Poem) 4. A truly Beautiful Mind The Lake Isle of Inns free(Poem) Grammar - Active Passive Voice, Sentence Formation, Reading Comprehension,	Respond to poem, relating the success story of different eminent personalities in Speech and Declamation, discuss the significance of adopting and observing peace and tranquility of nature in their lives	Article writing

		Writing Module, Tenses,		
AUGUST	23	5. The Snake and the Mirror A Legend of the North land (Poem) Rain on the roof (poem) Grammar – Tenses, Sentence Transformation, Reading Comprehension, Analytical Paragraph Writing Modals,	Analyzing the humorous elements of the story, discuss the culture, lifestyle, and belief of people,	Drawing of the scene from story
September-Mid-Term Exams (Based on the Syllabus covered from April to August)				
OCTOBER	20	6. My Childhood No Men are Foreign (Poem) 7. Reach for the Top On Killing a Tree (Poem) 8. Kathmandu Grammar – Direct Indirect Speech, Error Correction, Reading Comprehension, Editing, Writing Paragraph	Analyse the essence of the story and the message, significance of amity, universal brotherhood and camaraderie, qualities required to Mt. Everest,	Paragraph writing
NOVEMBER	22	5. The Happy Prince 6. The Last Leaf 7. A House is not a Home 8. The Beggar 9. If I were you A Slumber Did My Spirit Seal Grammar – Reported Speech, Modals, Determiners Reading Comprehension	Helping nature and sacrifice, value of positive attitude during bad time, importance of emotions and family, respect others cultures and beliefs, presence of mind	Describe their emotions about their homes, Enactment
December	Revision			
Periodic Test -II Based on the syllabus covered in November				
February- March Term -II Exams (Based on the syllabus covered in from October to February)				

Hindi

मास	पाठ का नाम (साहित्य खंड)	व्याकरण तथा रचनात्मक लेखन	शिक्षण अधिगम के प्रतिफल	नवीन शिक्षण युक्तियां कला एकीकरण विषयी दृष्टिकोण	गतिविधि परियोजना
अप्रैल	पाठ दुख का अधिकार(गद्य) रैदास के पद (पद्य)	शब्द और पद अपठित बोध अनुस्वार एवं अनुनासिक अनौपचारिक पत्र स्लोगन लेखन अनुच्छेद लेखन	गद्य विद्या के अंतर्गत कहानी विद्या एवं रेखाचित्र विधा से संक्षिप्त परिचय, देश में फैले अंधविश्वासों और ऊंच नीच के भेद भाव को बेनकाब करते हुए धनी लोगों की अमानवीयता और गरीबों की मजबूरी को भी पूरी गहराई से उजागर करना। मध्ययुगीन काव्य धारा की संत काव्यधारा से संक्षिप्त परिचय, प्रभु का हर हाल में भक्त से श्रेष्ठ और सर्वगुण संपन्न होना तथा भगवान की अपार उदारता, कृपा और उनके समदर्शी स्वभाव का वर्णन। व्यावहारिक व्याकरण का ज्ञान। भाषा की सरचनात्मक विशिष्टताओं से परिचय। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान प्रदान, जीवन सापेक्ष अनुभव, काठिन्य निवारण, मनन चिंतन, पारस्परिक चर्चा परिचर्चा, काव्य का रसा स्वादन, आगमन विधि।	समाज में दुख का अधिकार चर्चा परिचर्चा।

मई	रहीम के दोहे(पद्य) गिल्लू (पूरक पाठ)	उपसर्ग प्रत्यय वाक्य भेद शब्द विचार संदेश लेखन संवाद लेखन	गद्य विद्या के अंतर्गत कहानी विद्या से संक्षिप्त परिचय, पशु पक्षियों के प्रति सहृदयता की भावना का पल्लवन। पद्य विधा के अंतर्गत मध्ययुगीन काव्यधारा की संत काव्यधारा से संक्षिप्त परिचय, मानव मात्र को करणीय और अकरणीय आचरण की नसीहत।भाषा की संरचनात्मक विशिष्टताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान प्रदान, जीवन सापेक्ष अनुभव काठिन्य निवारण, चिंतन, पारस्परिक चर्चा परिचर्चा, काव्य का रसास्वादन, आगमन विधि।	रहीम के दोहों का गायन।
			Periodic Test I - Based on the concepts covered in April June- Summer Break		
जुलाई	एवरेस्ट मेरी शिखर यात्रा(गद्य) आदमी नामा	अपठित बोध स्लोगन लेखन अनौपचारिक पत्र	गद्य विधा के अंतर्गत यात्रा वृत्तांत विधा तथा संस्मरण विधा से संक्षिप्त परिचय, बछेंद्री पाल के शिखर तक पहुंचकर तिरंगा लहराने के पल पल के ब्यौरे से रूबरू होना।पशु पक्षियों के प्रति सहृदयता की भावना का पल्लवन, बाल सुलभ शरारतों से परिचय।	"आदर्श अनुतानमय वाचन एवं स्पष्टीकरण, व्यावहारिक अनुभवों का आदान प्रदान, जीवन सापेक्ष अनुभव काठिन्य निवारण, चिंतन, पारस्परिक चर्चा परिचर्चा, काव्य का रसास्वादन, आगमन विधि । एक भारत श्रेष्ठ भारत "के अंतर्गत अपने अपने क्षेत्र में	एक भारत श्रेष्ठ भारत "के अंतर्गत अपने अपने क्षेत्र में कीर्तिमान रचती भारतीय महिलाओं से संबंधित चित्र एवं जानकारी।

<p>आदमीना मा(पद्य) स्मृति (पूरक पाठ)</p>			<p>पद्य विधा के अंतर्गत मध्य युगीन कव्याधारा की नज़्म काव्यधारा से संक्षिप्त परिचय, कुदरत के सबसे नायाब करिश्में आदमी को आईना दिखाते हुए उसकी अच्छाइयों, सीमाओं और संभावनाओं से परिचय, भाषा की सरंचनात्मक विशिष्टताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।</p>	<p>मीडिया की विघटित होते परिवारों की उपयोगिता, उसके कर्तव्यों का उल्लेख, सामाजिक जागृति आवश्यक सामाजिक विज्ञान के साथ एकीकृत गतिविधि विषय जागो ग्राहक जागो नामक विषय पर छात्रों द्वारा विज्ञापन निर्माण। चर्चा परिचर्चा , काव्य का रसास्वादन, आगमन विधि।</p>	<p>इसके अंतर्गत प्रत्येक छात्र निजी तौर पर पैडलेट पर अपनी प्रस्तुति देगा। कविता का सस्वर भावपूर्ण वाचन तथा कविता में आए ऐतिहासिक उदाहरणों से संबंधित घटनाओं का वाचन श्रवण।</p>
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<p>अगस्त</p>	<p>तुम कब जाओगे अतिथि((गद्य) एक फूल की चाह (पद्य)</p>	<p>वाक्य भेद शब्द और पद अपठित बोध अनुच्छेद लेखन</p>	<p>गद्य विधा के अंतर्गत व्यंग्य विधा से संक्षिप्त परिचय, मानव जीवन में हल्के फुल्के क्षणों का महत्व। पद्य विधा के अंतर्गत आधुनिक काव्यधारा की कथात्मक कविता से संक्षिप्त परिचय, समाज में फैले अंधविश्वासों और ऊंच नीच तथा जातिवाद को बेनकाब करना। भाषा की सरचनात्मक विशिष्टताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।</p>	<p>आदर्श अनुतानमय वाचन एवं स्पष्टीकरण व्यावहारिक अनुभवों का आदान प्रदान, जीवन सापेक्ष अनुभव, काठिन्य निवारण, मनन चिंतन, पारस्परिक चर्चा परिचर्चा काव्य का रसास्वादन, आगमन विधि।"</p>	<p>"अतिथि देवो भवः" उक्ति की समीक्षा।</p>
<p>सितंबर</p>	<p>कीचड़ का काव्य(गद्य) अग्निपथ (पद्य)</p>	<p>अपठित बोध अनौपचारिक पत्र अनुच्छेद लेखन संदेश वर्णन</p>	<p>गद्य विधा के अंतर्गत लेख विधा से संक्षिप्त परिचय, मानव जीवन में कीचड़ के महत्व का प्रतिपादन। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन। पद्य विधा के अंतर्गत आधुनिक काव्यधारा की कथात्मक कविता से संक्षिप्त परिचय, समाज में फैले अंधविश्वासों और ऊंच नीच तथा जातिवाद को बेनकाब करना।</p>	<p>आदर्श अनुतानमय वाचन एवं स्पष्टीकरण व्यावहारिक अनुभवों का आदान प्रदान, जीवन सापेक्ष अनुभव, काठिन्य निवारण, मनन चिंतन, पारस्परिक चर्चा परिचर्चा काव्य का रसास्वादन, आगमन विधि।"</p>	<p>"क्या कीचड़ गंदगी है?" एक विचार।</p>

अक्तूबर	अग्निपथ (पद्य) हामिद खां (पूरक पाठ) धर्म की आइ(गद्य)	अपठित त बोध अनुपचारिक पत्र संवाद लेखन अपठित बोध शब्द विचार	भाषा की संरचनात्मक विशिष्टताओं से परिचय। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन। गद्य विधा के अंतर्गत निबंध विधा से संक्षिप्त परिचय, मानव जीवन में धर्म के औचित्य का प्रतिपादन	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण व्यावहारिक अनुभवों का आदान प्रदान, जीवन सापेक्ष अनुभव, काठिन्य निवारण, मनन चिंतन, पारस्परिक चर्चा परिचर्चा काव्य का रसास्वादन, आगमन विधि।"	" " जीवन संघर्षमय है, इससे घबराकर थमना नहीं चाहिए, अनुभव प्रस्तुति संगीत के साथ एकीकृत। धर्म एकता का माध्यम है। चर्चा परिचर्चा
नवंबर	नए इलाके में (पद्य)	उपसर्ग, प्रत्यय	पद्य विद्या के अंतर्गत आधुनिक काव्यधारा से संक्षिप्त परिचय, शहरी		
	खुशबू रचते हैं हाथ(प द) दिए जल उठे (पूरक पाठ)	अनौपचारिक पत्र अनुच्छेद लेखन स्लोगन लेखन संवाद लेखन	शहरी जीवन की वास्तविकता एवं विडंबना से परिचय। शहरों के बीच बसे टोलों ले जीवन की वास्तविकता एवं विडंबना से परिचय। व्यावहारिक व्याकरण का ज्ञान। भाषा की संरचनात्मक विशिष्टताओं से परिचय। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन। व्यावहारिक व्याकरण का ज्ञान। गांधी जी के अटल इरादों से प्रेरणा। व्यावहारिक व्याकरण का ज्ञान। प्रभावोत्पादक अभिव्यक्ति हेतु सक्षमता का प्रतिपादन।	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण व्यावहारिक अनुभवों का आदान प्रदान, जीवन सापेक्ष अनुभव, काठिन्य निवारण, मनन चिंतन, पारस्परिक चर्चा परिचर्चा काव्य का रसास्वादन, आगमन विधि।	
	शुक्रतारे के समान (गद्य)	अपठित बोध	गद्य विधा के अंतर्गत आलेख विधा एवं संस्मरण विधा से संक्षिप्त परिचय, गांधी जी तथा उनके	आदर्श अनुतानमय वाचन एवं स्पष्टीकरण व्यावहारिक अनुभवों का आदान प्रदान,	"जालियांवाला बाग " एक विचार।

		ਅਨੌਪਚਾਰਿ ਕ ਪਤ੍ਰ	ਸਹਾਯਕ ਮਹਾਦੇਵ ਫੇਸਾਈਂ ਕੇ ਜੀਵਨ ਸੇ ਪ੍ਰੇਰਣਾ। ਵਿਆਹਾਰਿਕ ਵਯਾਕਰਣ ਕਾ ਜ਼ਾਨ। ਗਾਂਧੀ ਜੀ ਕੇ ਅਟਲ ਝੁਰਾਦੌਂ ਸੇ ਪ੍ਰੇਰਣਾ। ਵਿਆਹਾਰਿਕ ਵਯਾਕਰਣ ਕਾ ਜ਼ਾਨ। ਪ੍ਰਭਾਵੋਤਪਾਦਕ ਅਭਿਵਯਕਿਤ ਹੇਤੁ ਸਕਸ਼ਮਤਾ ਕਾ ਪ੍ਰਤਿਪਾਦਨ।	ਜੀਵਨ ਸਾਪੇਖ ਅਨੁਭਵ, ਕਾਠਿਨਯ ਨਿਵਾਰਣ, ਮਨਨ ਚਿੰਤਨ, ਪਾਰਸਪਰਿਕ ਚਰਚਾ ਪਰਿਚਰਚਾ ਕਾਵਯ ਕਾ ਰਸਾਸਵਾਦਨ, ਆਗਮਨ ਵਿਧਿ।	
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Punjabi

	ਪਾਠ ਦਾ ਨਾਂ	ਉਦੇਸ਼	ਗਤੀਵਿਧੀਆਂ
April			
ਸਾਹਿਤ ਮਾਲਾ	ਭਾਈ ਵੀਰ ਸਿੰਘ	ਸਮੇ ਦੀ ਕਦਰ ਕਰਨ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣਾ	ਭਾਈ ਵੀਰ ਜੀ ਦੇ ਸਮੁੱਚੇ ਜੀਵਨ ਤੇ ਰਚਨਾਵਾਂ ਦੀ ਸੂਚੀ ਤਿਆਰ ਕਰਨਾ
ਵਿਆਕਰਨ	ਵਿਰੇਧੀ ਸ਼ਬਦ, ਲਿੰਗ ਬਦਲੇ	ਵਿਆਕਰਨ ਦੇ ਨਿਜ਼ਮਾਂ ਤੋਂ ਜਾਣੂੰ ਕਰਵਾਉਣਾ	
May			
ਸਾਹਿਤ ਮਾਲਾ	ਧਨੀ ਰਾਮ ਚਾੜ੍ਹਕ	ਵਿਸਾਖੀ ਦੇ ਤਿਉਹਾਰ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦੇਣਾ	ਤਿਉਹਾਰ ਨਾਲ ਸੰਬੰਧਿਤ ਕੋਈ ਇੱਕ ਲੋਕ ਗੀਤ ਤਿਆਰ ਕਰਨਾ
ਵਿਆਕਰਨ	ਕਿਰਿਆ, ਮੁਹਾਵਰੇ(1ਤੋਂ 30)ਲੇਖ ਰਚਨਾ	ਭਾਸ਼ਾ ਦੇ ਸੁੱਧ ਉਚਾਰਨ ਦੇ ਯੋਗ ਬਣਾਉਣਾ	
July			
ਇਕਾਂਗੀ	ਸਿਰਜਣਾ	ਦੇਸ਼ ਵਿੱਚ ਫੈਲ ਰਹੀਆਂ ਸਮਾਜਿਕ ਬੁਰਾਈਆਂ ਬਾਰੇ ਸੁਚੇਤ ਕਰਨਾ	ਭਰੂਣ ਹੱਤਿਆ ਤੇ ਇਲਾਵਾ ਕੋਈ ਹੋਰ ਸਮਾਜਿਕ ਸਮੱਸਿਆ ਤੇ ਵਿਚਾਰ ਚਰਚਾ
ਵਾਰਤਕ ਕਹਾਣੀ	ਵਹਿਮੀ ਤਾਇਆ ਬਸ ਕੰਡਕਟਰ	1. ਵਹਿਮਾਂ ਭਰਮਾਂ ਤੋਂ ਦੂਰ ਰਹਿਣ ਦੀ ਸਿਖਿਆ ਦੇਣਾ 2. ਮਨੁੱਖੀ ਰਿਸ਼ਤਿਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ	ਵਹਿਮੀ ਤਾਏ ਵਰਗੇ ਪਾਤਰ ਆਪਣੇ ਆਲੇ ਦੁਆਲੇ ਲੱਭ ਕੇ ਉਹਨਾਂ ਨਾਲ ਸਬੰਧਤ ਕੋਈ ਘਟਨਾ ਸਾਂਝੀ ਕਰਨੀ
August			

ਕਹਾਣੀ	ਜਨਮ ਦਿਨ	ਸਮਾਜ ਦੇ ਮੱਧ ਵਰਗੀ ਪਰਿਵਾਰਾਂ ਦੀਆਂ ਸਮੱਸਿਆਵਾਂ ਉਜਾਗਰ ਕਰਨਾ	
ਵਾਰਤਕ ਵਿਆਕਰਨ	ਸਾਂਝੀ ਕੰਧ ਸ਼ਬਦ ਸੁਧੀ, ਲੇਖ ਰਚਨਾ, ਪੱਤਰ ਰਚਨਾ	ਭਾਈਚਾਰਕ ਸਾਂਝ ਅਤੇ ਸਰੀਕੇਬਾਜ਼ੀ ਰਾਹੀਂ ਰਿਸ਼ਤਿਆਂ ਦਾ ਟੁਟਣਾ ਤੇ ਜੁੜਨਾ ਦਰਸਾਉਣਾ	ਕਹਾਣੀ ਦਾ ਨਾਟਕੀ ਰੂਪਾਂਤਰਣ ਕਰਨਾ
September		1st Term(Based on syllabus covered in April to August)	
October			
ਕਹਾਣੀ	ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ	ਦੇਸ਼ ਪਿਆਰ ਦੀ ਭਾਵਨਾ ਜਾਗ੍ਰਿਤ ਕਰਨਾ	
ਕਵਿਤਾ ਵਿਆਕਰਨ	ਫੀਰੋਜ਼ਦੀਨ ਸ਼ਰਫ, ਮਾਤਾ ਗੁਜਰੀ ਜੀ ਵਿਸਮਿਕ	ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਪ੍ਰਤੀ ਪਿਆਰ ਤੇ ਸਤਿਕਾਰ ਦੀ ਭਾਵਨਾ ਪੈਦਾ ਕਰਨਾ	
November			
ਇਕਾਂਗੀ	ਮੋਨਧਾਰੀ	ਸਮਾਜ ਵਿੱਚ ਫੈਲੇ ਭ੍ਰਿਸ਼ਟਾਚਾਰ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ	ਇਕਾਂਗੀ ਦਾ ਨਾਟਕੀ ਰੂਪਾਂਤਰਣ ਕਰਨਾ
ਕਵਿਤਾ ਵਾਰਤਕ	ਵਿਧਾਤਾ ਸਿੰਘ ਤੀਰ ਖੁਸ਼ੀਆਂ ਆਪੇ ਨਹੀਂ ਆਉਂਦੀਆਂ ਬੇਬੇ ਜੀ	ਨਵੇਂ ਤੇ ਪੁਰਾਣੇ ਸੱਭਿਆਚਾਰ ਦਾ ਭੇਦ ਸਮਝਾਉਣਾ	ਸੱਭਿਆਚਾਰ ਸੰਬੰਧੀ ਦਸਤਾਵੇਜ਼ ਤਿਆਰ ਕਰਣਾ
December		Revision	

Maths

Kohinoor International School, Syllabus Planner 2024-25, Grade –IX				
Maths				
Books Recommended: NCERT/Dinesh				
Month	No of Working Days	Concepts/Chapters to be taught	Learning Objectives	Activities/Art Integrated/SDG/ Values & Life Skills
April	20	1. Number system 3. Coordinate geometry	1. Recall natural numbers, whole numbers, integers and Rational no. 2. Represent a given number in the form p/q in order to show whether the given number is rational or not. 3. Extend the laws of exponents and simplify a given expression. 1. Plot a point on the Cartesian plane and determine quadrant of the point. 2. Apply concepts of coordinate geometry and simplify given real life problems.	Making square root spiral. Finding coordinates of different shapes on graph.
May	24	2. Polynomials 4. Linear eqn.	1. Use given values for the variable 'x' in a polynomial $p(x)$ and identify if the given value is a zero of the polynomial. 2. Apply factor theorem and factories a given polynomial. 3. Select appropriate algebraic identities and evaluate the values of given expression. 1. Compare a given linear equation to the standard form $ax + by + c + 0$ and deduce the values of a, b and c. 2. Solve an equation and represent it on a number line.	Verification of identities.
25 Periodic Test I - Based on the concepts covered in April				
June- Summer Break				
July	25	5. Intro. to Euclid's geo. 6. Lines and angles	1. List Euclid's five postulates and visualize and illustrate them. 2. Apply Euclid's postulates and prove basic geometrical concepts about lines, points, planes, shapes, etc. 1. Apply the concepts of linear pairs of angles and vertically opposite angles. 2. Apply concepts of linear pairs of angles, vertically opposite angles, corresponding angles etc.	Prove If equals are subtracted from equals, the remainders are equal. Verify that if two lines intersect then the sum of all four interior angles is 360.

August	23	12. Heron's formula 8. Quadrilaterals	1. Apply Heron's formula and calculate the area of a Triangle. 1. Apply angle sum property of quadrilateral. 2. Apply properties of parallelogram and find an unknown angle.	Verify that sum of all angles of triangle is 180 using herons formula.
September - Mid-Term Exams (Based on the syllabus covered from April to August)				
October	20	10. Circles 7. Triangles	1. Define radius, chord, diameter, segment. 2. Apply theorems regarding angle subtended by a chord in a circle and find the measure of an angle in the given figure. 3. Use the value of radius and perpendicular to the chord and compute the length of a chord. 1. Illustrate the criteria of congruencies of triangles through diagrams (ASA, SAS, SSS, RHS) and prove relationships between given angles, sides and triangles of a given figure.	To prove that angle subtended at the circumference in a semi circle is right angle. Verify experimentally that in a triangle, the longer side has the greater angle opposite to it.
November	22	13. Surface area and vol. 14. Statistics	1. Calculate surface area and volume of cube, cuboid, cylinder, cone. 1. Read the given data and create a histogram Read a given frequency polygon and infer a variety of information from it. 2. Differentiate between mean, median and mode with examples.	Measuring surface area of different shapes. Making frequency polygon of different data.
December				
Periodic Test -II Based on the syllabus covered in November				
January				
February			February- March Term -II Exams (Based on the syllabus covered in from October to February)	
Revision for Term -II				

SUBJECT:PHYSICS**TEXTBOOK: New Millennium**

Unit No.	Unit Name	Marks
I	Matter - Its Nature and Behavior	25
II	Organization in the Living World	22
III	Motion, Force and Work	27
IV	Food; Food Production	06
	Total	80
	Internal assessment	20
	Grand Total	100

MONTHS	CHAPTER	LEARNING OUTCOMES	PRACTICAL/PROJECTS
April	Motion	<ul style="list-style-type: none"> • Differentiate between scalar and vector quantities • Explain the difference between distance and displacement, speed and velocity with examples • Derive the three equations of motion graphically. • analyses and interprets graphs and figures such as, distance-time and velocity-time graphs. • Elementary idea of uniform circular motion. 	<ul style="list-style-type: none"> ➤ To observe, analyse and plot the graph for different values of position, velocity and acceleration. ➤ Link for the simulation: https://openphysics.com/k4.html
	Matter in Our Surroundings	<ul style="list-style-type: none"> • To understand the physical nature of matter. • To comprehend the characteristics features and nature of particle. • To understand the state of matter. • To make the learner understand that matter can change its state. • To analyse the effect of change of temperature and pressure on states. • To understand the phenomenon of evaporation. 	<ul style="list-style-type: none"> ➤ To determine the boiling point of water. ➤ To determine the melting point of ice. ➤ To see the rate of evaporation in change of conditions.
	Work & Energy	<ul style="list-style-type: none"> • Explain the scientific conception of work • Calculate the amount of work done on an object • define energy and classify mechanical energy into kinetic and potential energy. • explain the concept of kinetic energy with the help of examples 	

		<p>and derive its expression</p> <ul style="list-style-type: none"> • explain the concept to of potential energy with the help of examples and derive its expression. • State the law of conservation of energy • Define power and give its SI unit. 	
May	Force and Laws of Motion	<ul style="list-style-type: none"> • State Newton's First Law of Motion with the help of real-life examples. • State Newton's Laws of Motion with the help of real-life examples. • Formulate the laws mathematically and solve numerical based on them 	<ul style="list-style-type: none"> • To study the third law of motion using two spring balances. <p>http://amrita.olabs.edu.in/?sub=1&brch=1&sim=105&cnt=1</p>
	<p>Is matter Around us Pure (Excluding separating the components of a mixture).</p>	<ul style="list-style-type: none"> ➤ To know about elements, compounds and mixtures ➤ To know the types of mixtures ➤ To define solution and its types ➤ To compare the properties of Solution ➤ Sublimation and its examples 	<ul style="list-style-type: none"> ➤ <u>Preparation of:</u> <ul style="list-style-type: none"> a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of <ul style="list-style-type: none"> • <u>transparency</u> • <u>filtration criterion</u> • <u>stability</u> ➤ <u>Preparation of</u> <ul style="list-style-type: none"> a) A mixture b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of: <ul style="list-style-type: none"> (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet (iii) behaviour towards carbon disulphide as solvent (iv) effect of heat ➤ <u>Perform the following reactions and classify them as physical or chemical changes:</u> <ul style="list-style-type: none"> a) <u>Iron with copper sulphate solution in water</u> b) <u>Burning of magnesium ribbon in air</u> c) <u>Zinc with dilute sulphuric acid</u> d) <u>Heating of copper sulphate crystals</u> e) <u>Sodium sulphate with barium chloride in the form of their solutions in water</u>

Periodic Test I - Based on the concepts covered in April

June- Summer Break

July	Sound	<ul style="list-style-type: none"> • Visualize sound as waves and explain that sound cannot produce without a vibrating object. • Explain the different characteristics of sound waves. • Draws labeled diagrams of human ear. explains processes and phenomena how bats use ultrasonic waves to catch prey 	<ul style="list-style-type: none"> • EXPERIMENT • Verification of the Laws of reflection of sound. • Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring) <p>http://amrita.olabs.edu.in/?sub=1&brch=1&sim=1&cnt=1</p>
	Atoms and molecules	<ul style="list-style-type: none"> • Laws of chemical combination • Atom, Molecule, Compound • Atomic mass, Molecular Mass. 	Experiment law of conservation of mass
	Structure of Atom	<ul style="list-style-type: none"> • Structure of an atom, Thomson model, Rutherford Model of an atom and its drawbacks, Bohrs' Model of an atom. • Filling up of electrons in shells of atom • Distribution of electrons in different orbits • Valency, Atomic number, Mass number • Isotopes and its applications 	
August	Gravitation	<ul style="list-style-type: none"> • Explain gravitational force and derive it between any two objects • Define free fall and calculate the value of • applies learning to hypothetical situations, such as, weight of an object at moon, weight of an object at equator and poles, possibility of life on other planets, etc. 	<ul style="list-style-type: none"> ➤ Art Integrated Project ➤ The Newtonian Toy ➤ Design a toy using waste materials which describe any one or more laws of Motion given by Newton. ➤ Present your toy and explain the concept in form of a video.
	Improvement in food resources Integration with	<ul style="list-style-type: none"> • To analyse the types of crops used and to make a record about the nutrient they have. • To make them aware about different steps necessary to grow crop and harvest. • To get knowledge about the various aspects of animal husbandry like Feeding, Breeding, Housing and weeding <p align="center">INNOVATIVE PEDAGOGY</p>	To determine the mass percentage of water imbibed by raisins. To prepare stained temporary mount of onion peel.

	Economics	<ul style="list-style-type: none"> • To Get Knowledge about the crops and various practices used to grow them in Particular State. • Collecting information of crop sand variety improvement • Research on the types of nutrients • Distinguish between manure and fertilizers. • Visualization of cropping pattern with diagram • Interactive discussion about animal husbandry. • To observe various variety, keep statically record of the products in terms of input and output 	<ul style="list-style-type: none"> ➤ Prepare a ppt taking variety of crops grown, methods of growing and tools used in the form of pictures, statics, graphsetc.
	The Fundamental Unit of Life	<ul style="list-style-type: none"> • To make them comfortable in understanding the concept of using microscope. • To help them in developing idea about primitive cell and the cell evolved. <p>INNOVATIVE PEDAGOGY</p> <ul style="list-style-type: none"> • Interactive discussion on discovery of cell, osmosis, plasmolysis and comparis on between prokaryotic and Eukaryotic cell. • Making diagrams of plant cell animal cell with visualization of organelles structure and their function. 	<ul style="list-style-type: none"> ➤ To prepare stained temporary mount of Onion peel & human cheek cells tore cord the observations and draw their labeled diagram.
September - Mid-Term Exams (Based on the syllabus covered from April to August)			
October	Floatation	<ul style="list-style-type: none"> • measures physical quantities using appropriate apparatus, instruments, and devices, such as, weight and mass of an object using spring balance, measuring a physical balance, volume of liquid using measuring cylinder, etc. 	<ul style="list-style-type: none"> • Simulation: Buoyant force. http://physics.bu.edu/~duffy/HTML5/fluid_buoyant_force.html • Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. • Establishing the relation between the loss in weight of a solid when fully immersed in <ul style="list-style-type: none"> a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.

			<ul style="list-style-type: none"> • http://amrita.olabs.edu.in/?sub=1&brch=1&sim=2&cnt=9
	Tissues	<p>To make understanding about various categories of plant tissues and their location structure and function.</p> <p>To develop skill of making drawing of various tissues and study their functions.</p> <p>To help them in understanding complex structure of animal tissues with the help of live examples of their body actions.</p>	<ul style="list-style-type: none"> • Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, • Smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams.



KOHINOOR INTERNATIONAL SCHOOL, SYLLABUS Planner 2024-25-IX

SOCIAL-SCIENCE Books Recommended- NCERT

Month	No. of working days	Concept/Chapter to be Taught	Learning Objectives	Activities/Art Integrated/Sdg/Values& Life Skills /SDG
April		Civics-1.What is Democracy? Why Democracy? Ch.2.Constitutional Design 3.Electoral Politics	1.To Know the difference between democratic and non democratic Government 2.Comprehend the roles and responsibilities as citizens of India. 3.Analyse the implications of power of vote and power of recall	1.Brainstorming on introduction of concepts of democracy 2.Declamation strategy for discussing the roles and responsibilities of citizens. 3.Role Play Activity.
May		Geo.-1.India-Size and Location Ch.-2.Physical Features of India 3.Drainage Eco.-1.The story of village Palampur.,	1.Examine how the location of an Area impacts its climate and time with reference to longitudes and latitudes. 2. To Understand the importance of rivers in the Indian Economy. 3.Justify how the Physical Features of India influence the Livelihoods, culture of a particular region. 4.Corelate farming and non-farming activities to economic growth.	1.On map of India locate Physiographic regions of India and the Climatic Zones. 2.Use Art integrated strategies like gallery walk/Model Making to demonstrate Physical features. 3.Poster Making to enlist the factors of production and evaluate their interdependence. 4.Decent Work and Economic Growth(SDG).
JUNE-SUMMER BREAK				
July		His.-1.The French Revolution Eco.-2.People as a Resources Ch.-3.Poverty as a challenge His.-5.Pastoralists in the Modern World	1.will be able to infer how French Revolution had an impact on the European Countries. 2.To Explain population as an asset for the Economy rather than a liability. 3.Analyse the condition of people in rural and urban areas. 4.Examine the situations that have created Nomadic Societies highlighting the key factor played	1.Conduct classroom discussion. 2.Quality Education(SDG) 3.Zero Hunger(SDG) 4.Locate the various Pastoral Communities on an outline map of

			by then climatic conditions and topography.	India.
August		Geo.-4.Climate Ch.-5.Natural Vegetation and Wildlife ch.-6.Population	1.To learn about the types of soil and forests and conservation 2.To learn Water management, reasons behind depletion of water	1.Climate Action(SDG) 2.Life on Land(SDG) 3.Good Health and Well-Being(SDG)
September-Mid-Term Exams(Based on the Syllabus covered from April to August)				
October		His.-2.Socialism in Europe and the Russian Revolution Ch.-3.Nazism and the Rise of Hitler ch.-4.Forests Society Colonialism	1.Students will familiar the Term 'Socialism'. 2.Students will be able to get familiar with the birth of Weimar Republic. 3.Students will learn the term Colonialism and their impacts on Nomadic Pastoralists.	1.Flow Chart Reflecting how Lenin communism established. 2.Audio-Visual Aids like film or animations can be shown. 3.Reduced Inequalities(SDG)
November		Eco.-4.Food Security in India Civics.-4. Working Institutions Map Practice	1.students will understand the contribution of Industries to National economic growth. 2.Students Examine the role, responsibilities and interdependency of all the 3 organs of the Government. 3.Students will understand the political map of India and World.	1.No Poverty(SDG) 2.Decent Work and Economic Growth(SDG) 3.Quality Education(SDG)
December		Revision		
Periodic Test -II Based on the syllabus covered in November				
January				
February- March Term -II Exams (Based on the syllabus covered in from October to February)				

Information Technology

Books Recommended – Information Technology(Code-402)

Mont hs	No. of working days	CHAPTER NAME	LEARNING OBJECTIVES	ACTIVITY
April	20	Ch-1 Communication Skills	<ul style="list-style-type: none"> ➤ Demonstrate knowledge of various methods of communication ➤ Identify elements of communication cycle 	Draw a diagram of communication Cycle
		Unit 6: Introduction to IT- ITeS industry	<ul style="list-style-type: none"> ➤ Appreciate the applications of IT 	Identify and list the various IT enabled services, Observe the Application of It in Various areas.
		Unit 2: Self Management Skill-I	<ul style="list-style-type: none"> ➤ Describe the meaning and importance of self management. ➤ Identify the factors that helps in building Self Confidence. 	Strength weakness analysis

May	24	Unit 7: Data Entry and Keyboarding Skills	<ul style="list-style-type: none"> ➤ Use Keyboard and Mouse for data entry ➤ Use typing software 	Typing Test
		Unit 3: Information and Communication Technology Skills - I	<ul style="list-style-type: none"> ➤ Identify the components of basic computer system and their function 	Connecting the cables and peripherals to the CPU
Periodic Test I - Based on the concepts covered in April				
June- Summer Break				
July	25	Unit 8: Digital Documentation	<ul style="list-style-type: none"> ➤ To learn to create a document ➤ Apply the editing features ➤ Formatting features 	Type some text and edit it,do Undo and Redo Use keyboard to cut ,copy and paste.
		Unit 4: Entrepreneurial Skills-1	<ul style="list-style-type: none"> ➤ To identify types various types of Business activities ➤ Roles of Entrepreneur 	Group discussion on role and features of Entrepreneurship
August	23	Unit 9: Electronic Spreadsheet	<ul style="list-style-type: none"> ➤ Create a worksheet , apply formulas ➤ Understand and apply references. 	Relevant Practical
		Unit 5: Green Skills-I	<ul style="list-style-type: none"> ➤ Describe the features and role of Green Skills and Green economy 	Prepare a poster showing environment conservation

October	20	Unit 10: Digital Presentation	<ul style="list-style-type: none"> ➤ Understand the features of presentation ➤ Work with slides ➤ Insert and edit images ➤ Work with slide master 	Relevant Practical
November	22	Revision		

