

KOHINOOR INTERNATIONAL SCHOOL, MUKERIAN (PANKHOO)



ACADEMIC CURRICULUM

For Session

2024 – 2025

GRADE :V

LIST OF BOOKS

English - Celebrate, Compacta

Hindi –Maniprabha and Madhuprabha

Punjabi-Guntass Kirna,Viyakaran-Punjabi Viyakaran atey Rachnavali

Math- Together with Mathematics

Science - VIVA Start Up SCIENCE

Social Study- Globe Trotters

G.K- Wisdom Tree

Grade -V

MONTHS	No. of working days	CHAPTER NAME Books – Celebrate, Compacta	LEARNING OBJECTIVES	ACTIVITY
APRIL	20	1. Nat. 2. Maggie and Milly and Molly and May. GRAMMAR- Parts of Speech, Nouns, Reading Comprehension,	Identify the poetic devices, identify different collective nouns.	Speech on importance of doing homework, describe the interior of their house
MAY	24	3. Uncle Ken at the Wicket 4. The Story of Louis Braille. Grammar- Pronouns, Reading Comprehension, Paragraph Writing, Diary Entry	Importance of company one keeps, Human tendency to jump to conclusion hurriedly, value of honesty	Painting of favorite bird,
		Periodic Test I - Based on the concepts covered in April June- Summer Break		
JULY	25	5. You Can't Be That 6. MS Subbulakshmi-A Voice Beyond Compare Grammar- Articles, Adjectives, Reading Comprehension, Short story, Paragraph Writing	Learn about Japanese stories, fighting for their rights, the world of space, importance of education,	Describe their recent fight, role play,
AUGUST	23	7. Maharana Pratap and Chetak. Grammar- Verbs, Reading	Discuss different singers, fatal challenges, natural and inner beauty,	Classroom activity

		Comprehension Letter Writing, Messages,		
September-Mid-Term Exams(Based on the Syllabus covered from April to August)				
		TERM-2		
OCTOBER	20	8. The Land of Story-books. 9. Not Such a Bad Thing After All Grammar- Quantifiers, Subject verb agreement. Reading Comprehension, short story, diary entry .	Teachers and their lives in school, unity of diversity, importance of words and language	Speak about teachers
NOVEMBER	22	10. Clouds and Waves 11. The River Maker Grammar Verb forms, Verb Tenses Reading Comprehension, Paragraph Writing, Notices.	Ability to take decision, story telling , identify prepositions	Role play, enactment,
DECEMBER	18	12. If I Knew. 13. Alan and the Alien Grammar- Adverbs, Preposition, Reading Comprehension, Letter writing	Form friendship, critical thinking, learn about dreams and good sleep,	Illustrate benefits of dreams and sleep
JANUARY	23	14. The Tree 15. The World's Best Dress Grammar- Conjunctions, Reported Speech, Capital Letters Integrated grammar	Value of keeping promises, love for parents, responsibility.	Debate on old beliefs vs medical science

February- March Term -II Exams (Based on the syllabus covered in from October to February)

KOHINOOR INTERNATIONAL SCHOOL
हिन्दी

पाठ्य पुस्तक: मणिप्रभा। व्याकरण: मधुप्रभा

महीना	समय अवधि	अध्याय	शिक्षण उद्देश्य	गतिविधियां, कला समेकित, शिक्षा सतत विकास लक्ष्य मूल्य /जीवन कौशल
अप्रैल	20	<p>1. पथ आलोकित कर दो</p> <p>2. मेरी मूर्खता</p> <p>व्याकरण :भाषा और व्याकरण . वर्ण विचार , शब्द रचना, संज्ञा,.हमारा उत्तर प्रदेश, सर्वनाम</p>	<p>कविता का सस्वर व लयात्मक गायन,मानवीय मूल्यों पर चर्चा ,शब्दार्थ, मौखिक व लिखित प्रश्न उत्तर ,पंक्तियों के अर्थ लेखन</p> <p>आत्मकथा का सस्वर व भावपूर्ण वाचन, गांधी जी के जीवन पर आधारित चर्चा ,शब्दार्थ, मौखिक व लिखित प्रश्न उत्तर, अर्थ स्पष्टीकरण</p>	<p>मेरे जीवन लक्ष्य पर पांच पंक्तियां लिखे</p> <p>सच्चे मित्र में कौन कौन से गुण होने चाहिए सूची बनाएं</p>

मई	24	3.पिता का पत्र 4.बीरबल की खिचड़ी व्याकरण :क्रिया ,विशेषण अपठित गद्यांश	पत्र का भावपूर्ण वाचन ,पंडित नेहरू व इंदिरा गांधी पर चर्चा ,शब्दार्थ, मौखिक व लिखित प्रश्न उत्तर ,रिक्त स्थान किस्से का अभिनयात्मक वाचन ,अकबर बीरबल की संक्षिप्त जानकारी ,शब्दार्थ ,मौखिक व लिखित प्रश्नोत्तर, किसने कहा -किससे कहा	सौरमंडल का सुन्दर सा चित्र अभ्यास पुस्तिका पर बनाएं
Periodic Test:- Based on the Concept covered in April				
जुलाई	25	5. जहा चाह,वहां राह 6. कबीर दोहावली व्याकरण : उपसर्ग प्रत्यय, काल	पाठ का भावपूर्ण वचन दिव्यांगों पर चर्चा शब्दार्थ मौखिक व लिखित प्रश्न उत्तर सही गलत दोहों का सस्वर व लयात्मक गायन ,भक्तिकालीन कवियों के बारे में जानकारी, शब्दार्थ, मौखिक व लिखित प्रश्नोत्तर, पंक्तियां पूरी करना	हरिवंशराय बच्चन द्वारा रचित कोशिश करने वालों की हार नहीं होती कविता याद करें कबीर के दो दोहें याद करें
अगस्त	23	7.हिमालय की गोद में 8.कवि का चुनाव	पाठ का भावपूर्ण वाचन ,हिमालय के महत्व पर चर्चा ,शब्दार्थ ,मौखिक व लिखित प्रश्नोत्तर, अर्थ स्पष्टीकरण	हिमालय की चोटियों के नाम पाठ्य पुस्तिका पर लिखें

		अविकारी शब्द, शब्द भंडार	कहानी का अभिनयात्मक वाचन शब्दार्थ, मौखिक व लिखित प्रश्नोत्तरी और स्पष्टीकरण	
September - Mid Term Exams (Based on the syllabus Covered form April to August				
अक्टूबर	20	10.राष्ट्र गीत 11.पोंगल मुहावरे, विराम चिन्ह ,अनुच्छेद	कविता का सस्वर व लयात्मक गायन, देश से संबंधित चर्चा ,शब्दार्थ मौखिक व लिखित प्रश्न उत्तर ,पंक्ति लेखन डायरी का भाव पूर्ण वाचन, त्योहारों के बारे में जानकारी ,शब्दार्थ मौखिक व लिखित प्रश्न	राष्ट्र गीत किसके द्वारा लिखा गया है , और इसे गाने में कितना समय लगता है अपनी पाठ्य पुस्तिका पर सुंदर सी रंगोली बनाएं
नवंबर	22	12. काकी पत्र ,संवाद लेखन	कहानी का अभिनयात्मक वाचन तथा कहानी पर आधारित चर्चा ,शब्दार्थ, मौखिक व लिखित प्रश्नोत्तरी और स्पष्टीकरण	मेरी मां पर पांच पंक्तियां पाठ्य पुस्तिका पर लिखिए
दिसंबर	18	13.प्रदूषण	लेख का स्वर वाचन ,पर्यावरण व प्रदूषण से संबंधित चर्चा, शब्दार्थ मौखिक व लिखित प्रश्न	प्रदूषण को रोकने के लिए लोगों को जागरूक कैसे करें

		14.कदंब का पेड़ सूचना लेखन, पत्र	उत्तर ,रिक्त स्थान कविता का लयात्मक व अभिनयात्मक गायन , शब्दार्थ मौखिक व लिखित प्रश्न उत्तर , अर्थ लेखन	स्वच्छ भारत अभियान क्या है
जनवरी	23	17.हमारा उत्तर प्रदेश 16 शेर और लड़का व्याकरण : अपठित गद्यांश ,पत्र, अनुच्छेद	लेख का सस्वर वाचन, शब्दार्थ मौखिक व लिखित प्रश्न उत्तर ,रिक्त स्थान कहानी का सस्वर व भावपूर्ण वाचन, शब्दार्थ, मौखिक व लिखित प्रश्नोत्तरी ,अर्थ स्पष्टीकरण	अपने राज्य की संस्कृति के बारे में लिखिए
फरवरी	20	18. छुट्टी दोहराई	कहानी का अभिनयात्मक वाचन ,शब्दार्थ, मौखिक व लिखित प्रश्न उत्तर, किसने कहा- किसे कहा	

Punjabi

ਪਾਠ ਪੁਸਤਕ:- ਗੁਣਤਾਸ ਕਿਰਨਾਂ, ਪੰਜਾਬੀ ਵਿਆਕਰਨ ਅਤੇ ਰਚਨਾਵਲੀ ਪ੍ਰਕਾਸ਼ਕ:- ਗੁਣਤਾਸ ਪ੍ਰਕਾਸ਼ਨ

Month	No of Working Days	ਪਾਠ ਦਾ ਨਾਂ	ਪਾਠ ਦੇ ਉਦੇਸ਼	ਗਤੀਵਿਧੀਆਂ
ਅਪ੍ਰੈਲ	20	1. ਮੇਰਾ ਦੇਸ਼ 2. ਸ਼ਾਂਤੀ ਦੇ ਪੁੰਜ- ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ 3. ਸ਼ਹੀਦ ਉਧਮ ਸਿੰਘ 1. ਭਾਸ਼ਾ ਜਾਂ ਬੋਲੀ 2. ਵਿਆਕਰਨ 5. ਸ਼ਬਦ ਬੋਧ 8. ਲਿੰਗ 9. ਵਚਨ 13. ਵਿਰੋਧੀ ਸ਼ਬਦ	ਆਪਣੇ ਦੇਸ਼ ਪ੍ਰਤੀ ਪ੍ਰੇਮ ਦੀ ਭਾਵਨਾ ਦਾ ਵਿਕਾਸ ਕਰਨਾ ਸ਼ਹੀਦ ਉਧਮ ਸਿੰਘ ਜੀ ਦੀ ਜੀਵਨੀ ਰਾਹੀਂ ਬੱਚਿਆਂ ਅੰਦਰ ਨਿਡਰਤਾ ਭਰਿਆ ਜੀਵਨ ਜਿਉਣ ਲਈ ਭਾਵਨਾ ਪੈਦਾ ਕਰਨ	ਕਵਿਤਾ ਨੂੰ ਜ਼ੁਬਾਨੀ ਯਾਦ ਕਰਨਾ ਅਤੇ ਜਮਾਤ ਵਿੱਚ ਗਰੁੱਪ ਵਿੱਚ ਬੋਲਣਾ ਦਸ ਗੁਰੂ ਸਾਹਿਬਾਨਾਂ ਦੇ ਨਾਮ ਯਾਦ ਕਰਨਾ ਪੰਜਾਬ ਦੇ ਮਹਾਨ ਸ਼ਹੀਦਾ ਬਾਰੇ ਕੁਇਜ਼ ਮੁਕਾਬਲਾ ਕਰਵਉਣਾ
ਮਈ		4. ਸਬਰ ਸੰਤੋਖ 5. ਓਨਾ ਹੀ ਪਾਓ ਥਾਲੀ ਵਿਚ..... 6. ਹਿੰਮਤ	ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਇਮਾਨਦਾਰੀ ਦੀ ਭਾਵਨਾ ਪੈਦਾ ਕਰਨਾ ਭੋਜਨ ਦੀ ਅਹਿਮੀਅਤ ਬਾਰੇ ਸਮਝਾਉਣਾ ਵਿਦਿਆਰਥੀਆਂ ਵਿੱਚ ਨਿਡਰਤਾ ਦੀ ਭਾਵਨਾ ਦਾ ਵਿਕਾਸ ਕਰਨਾ	ਕੋਈ ਤਿੰਨ ਖਾਣ ਵਾਲੀਆਂ ਵਸਤੂਆਂ ਵਿੱਚ ਮਿਲਾਵਟ ਪਰਖਣ ਲਈ ਜਮਾਤ ਵਿੱਚ ਪ੍ਰਯੋਗ ਕਰਨਾ ਵਿਆਹਾਂ ਵਿੱਚ ਭੋਜਨ ਦੇ ਵਿਅਰਥ ਨਾ ਗੁਵਾਉਣ ਬਾਰੇ ਤਿੰਨ ਸੁਝਾਓ ਦੇਣੇ ਕਵਿਤਾ ਗਾ ਕੇ ਸਕੂਲ ਦੇ ਚੈਨਲ ਤੇ ਅੱਪਲੋਡ ਕਰਨੀ

**Periodic Test:- Based on the Concept covered in April
June - Summer Break**

ਜੁਲਾਈ	25	7. ਪੰਜਾਬੀ ਦੀਆਂ ਉਪ-ਬੋਲੀਆਂ 8. ਮੈਂ ਅਖਬਾਰ ਬੋਲਦਾ 9. ਆਤਮ ਬਚਾਓ ਪਾਠ:- 11 ਵਿਸ਼ੇਸ਼ਣ ਮੁਹਾਵਰੇ ਲੇਖ:- ਪੱਤਰ:-	ਅਖਬਾਰ ਦੀ ਛਪਾਈ ਬਾਰੇ ਦੱਸਣਾ ਅਤੇ ਪੜ੍ਹਨ ਲਈ ਉਤਸ਼ਾਹਿਤ ਕਰਨਾ ਬਚਾਓ ਦੇ ਤਰੀਕਿਆਂ ਤੋਂ ਜਾਣੂੰ ਕਰਵਾਉਣਾ ਪੰਜਾਬ ਵਿੱਚ ਬੋਲੀਆਂ ਜਾਂਦੀਆਂ ਉਪ ਬੋਲੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣ	ਗੁਡ ਟੱਚ ਅਤੇ ਬੈਡ ਟੱਚ ਬਾਰੇ ਵਰਕ ਸ਼ੀਪ ਪੰਜਾਬ ਦੇ ਨਕਸ਼ੇ ਉੱਪਰ ਤੇਈ ਜ਼ਿਲਿਆਂ ਨੂੰ ਉਪ ਬੋਲੀਆਂ ਦੇ ਅਧਾਰ ਤੇ ਵੰਡ ਕੇ ਦਰਸਾਉਣਾ ਜਮਾਤ ਵਿੱਚ ਅਖਬਾਰ ਵਿੱਚ ਆਈਆਂ ਖਬਰਾਂ ਪੜ੍ਹ ਕੇ ਸੁਨੋਣੀਆਂ
ਅਗਸਤ	23	10. ਬਰਾਬਰ ਹੱਕ	ਲੜਕੇ ਅਤੇ ਲੜਕੀ ਦੀ ਇੱਕ ਸਮਾਨਤਾ ਬਾਰੇ ਦੱਸਣਾ	ਮਹਾਨ ਭਾਰਤ ਦੀਆਂ ਧੀਆਂ ਦੀਆਂ ਤਸਵੀਰਾਂ ਨਾਲ ਕੋਲਾਜ਼ ਤਿਆਰ ਕਰਨਾ
September (Term-I Exam based on syllabus covered in April to August)				
ਅਕਤੂਬਰ	20	11. ਦੁੱਧ 12. ਦੇਸੀ ਮਹੀਨੇ	ਦੁੱਧ ਪੀਣ ਦੇ ਫਾਇਦਿਆਂ ਬਾਰੇ ਦੱਸਣਾ	
		13. ਬੁੱਧ ਕੰਮ ਸ਼ੁੱਧ ਵਿਆਕਰਨ: 12. ਕਿਰਿਆ ਅਤੇ ਕਾਲ 14. ਸਮਾਨਰਥਕ ਸ਼ਬਦ 15. ਬਹੁਤੇ ਸ਼ਬਦਾਂ ਦੀ ਥਾਂ ਇੱਕ ਸ਼ਬਦ 3. ਅੱਖਰ ਬੋਧ	ਦੇਸੀ ਮਹੀਨਿਆਂ ਅਤੇ ਰੁੱਤਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ ਵਹਿਮਾਂ ਭਰਮਾਂ ਤੋਂ ਦੂਰ ਰਹਿਣ ਦੀ ਪ੍ਰੇਰਨਾ ਦੇਣੀ	ਤਿਓਹਾਰਾਂ ਦੀ ਸੂਚੀ ਤਿਆਰ ਕਰਨਾ ਕਿ ਕਿਹੜਾ ਦੇਸੀ ਮਹੀਨੇ ਵਿੱਚ ਕਿਹੜਾ ਤਿਓਹਾਰ ਆਉਂਦਾ ਹੈ1 ਕੁੱਝ ਵਹਿਮਾਂ ਦਾ ਵਿਗਿਆਨਕ ਤਰੀਕੇ ਨਾਲ ਵਿਸ਼ਲੇਸ਼ਣ ਕਰਨਾ
ਨਵੰਬਰ	22	14. ਫਾਸਟ ਫੂਡ ਤੋਂ ਤੰਬਾ 15. ਬਦਲਦਾ ਸਭਿਆਚਾਰ 16. ਜੈਸੀ ਬੈਠਕ ਤੈਸੀ ਸੁਹਬਤ	ਫਾਸਟ ਫੂਡ ਦੇ ਨੁਕਸਾਨਾਂ ਬਾਰੇ ਦੱਸਣਾ ਸਭਿਆਚਾਰ ਦੇ ਵੱਖਰੇ ਵੱਖਰੇ ਪੱਖਾਂ ਬਾਰੇ ਦੱਸਣਾ	ਮਾੜੀ ਸੰਗਤ ਤੋਂ ਦੂਰ ਰਹਿਣ ਦੀ ਪ੍ਰੇਰਨਾ ਦੇਣਾ

		ਲੇਖ, ਪੱਤਰ		
ਦਸੰਬਰ	18	17. ਸਿੱਖਿਆ ਪਟਾਰੀ	ਸਿੱਖਿਆ ਦਾ ਮਹੱਤਵ ਦੱਸਣਾ	
		18. ਮਿਜ਼ਾਈਲ ਸੈਨ	ਡਾਕਟਰ ਅਬਦੁਲ ਕਲਾਮ ਦੇ ਜੀਵਨ ਤੋਂ ਪ੍ਰੇਰਨਾ ਦੇਣੀ	
		19. ਮਹਾਨ ਯੋਧੇ	ਪੰਜਾਬ ਦੇ ਮਹਾਨ ਯੋਧਿਆਂ ਬਾਰੇ ਦਸਣਾ	
		ਪਾਠ-10. ਪੜਨਾਂਵ, ਪਾਠ16 ਵਾਕ ਬੋਧ		
		ਲੇਖ:- ਪੱਤਰ:-		
Periodic Test -II Based on the syllabus covered in November				
ਜਨਵਰੀ	23	20. ਇੱਕ ਬੰਦਾ ਹੁੰਦਾ ਸੀ		
	Revision for annual exam			
February- March Term -II Exams (Based on the syllabus covered in from October to February)				
Mathematics				
Books Recommended: Together with Mathematics Buzz, Publisher-Rachna Sagar				
Month	No of Working Days	Concepts/Chapters to be taught	Learning Objectives	Activities/Art Integrated/SDG/Values & Life Skills

April	20	1.Numbers and Numeration 2. Roman Numerals	Developing a strong foundation in place value, reading and writing numbers in different forms Extend understanding to more complex roman numerals ,perform basic operations(addition, subtraction)using roman numerals	Mystery number number scramble
May	24	3.Operation on Whole Numbers 4.Multiples and Factors	To select and apply appropriate operations (addition, subtraction, multiplication, division) to solve real-world problems involving whole numbers. Prepares students for advanced concepts like prime factorization ,LCM,HCF	puzzle game count the number of foot steps and find the HCF and LCM
Periodic Test -I Based on the syllabus covered in April				
June- Summer Break				
July	25	5.Fractions 7. Money	To develop an understanding of fractions to solve word problems involving fractions and mixed no.in real life. To strong foundation in handling money, making calculation	Fraction relay race preparing bill
August	23	6.Decimals 9. Profit and loss Revision	To understand how the value of a digit changes based on its position after the decimal point understanding the difference between income (money earned) and expenses (money spent). To learn how to record these transactions, similar to keeping a simple budget	Operation on decimal using decimal kit Dummy money game
September - Mid-Term Exams (Based on the syllabus covered from April to August)				

October	20	8.Percentage 10.Measurement	Students will able to identify percentages in various contexts students will able to identify and distinguish between customary and metric units of length, weight, capacity and time	number grid the longest hand in the class game
November	22	11. speed Distance and Time 12. Basic Geometrical concepts	To understand and Apply the concepts of speed, distance, and time to solve word problems related to everyday experiences. to learn concepts of points, lines, line segments, and rays. to differentiate between them visually. to identify intersecting, parallel, and perpendicular lines	Speed race Shape Scavenger Hunt
December	18	13. Triangles and Quadrilaterals 15. Data Handling	Differentiate between triangles based on their side lengths: equilateral , isosceles , and scalene and understand the classification of triangle on the basis of angles. to identify data as information that can be collected and counted and able to design simple surveys or questionnaires to collect data	Tangram activity using math kit
Periodic Test -II Based on the syllabus covered in November				
January	23	14.Perimeter,Area and Volume	by understanding these concept student will be able to calculate the size and capacity of different shapes	Activity of Packing and Unpacking
February	Revision for Term -II			

Science				
Books Recommended: Viva (Start up Science)				
Month	No of Working Days	Concepts/Chapters to be taught	Learning Objectives	Activities/Art Integrated/SDG/Values & Life Skills
April	20	1. Growing Plants	Understanding of the basic need of plants for growth, including water, sunlight, soil and air.	Collaborate with peers in group activities, such as planting projects to develop teamwork and problem solving skills in the context of plant growth and care.
			Process of Photosynthesis.	Fostering a sense of responsibility towards environmental stewardship.
			Identification of parts of plants and its functions.	
			Life cycle of plants including germination, growth, reproduction and death. Understand how different plants grow from different pats.	
		2. The World of Animals	Description of unique features and adaptation of different animal groups, including their physical characteristics habitats, and behaviors.	Engage in hands-on activities, such as observation and field trips to deepen understanding of animals and their habitats.
			Explanation of food chains and food webs.	Investigate animals life cycles, including birth, growth, reproduction and death and Compare their life cycle of different animal species.

			Identification the roles of producers, consumers and decomposers.	
			Explanation of birds including their migration	
May	24	3. Food and Health	Identification and description of major food groups (fruits, vegetables, grains, proteins, dairy) and their nutritional benefits in maintaining a balanced diet.	Nutrition label scavenger hunt- Provide students with various food packages or labels and have them identify and analyse the nutritional information. Guide them to understand serving sizes, sugar content and the presence of key nutrients.
			Identification of relationship between food choices and their impact on health.	
			Recognition of common diseases and their prevention.	
			Understanding of importance of balanced nutrition in preventing these diseases.	
Periodic Test I - Based on the concepts covered in April				
June- Summer Break				
July	25	4. The Skelton System and the Circulatory System	Identification of major bones of the human body, including the skull, spine, ribcage, arms, and legs.	Demonstrate understanding through practical activities, such as identifying bones on a skeleton model or tracing the path of blood through a diagram of the circulatory system.
			Description of functions of the skeletal system, such as providing structure, protection, and support for the body.	

			<p>Identification of major components of the circulatory system, including the heart, blood vessels (arteries, veins, and capillaries), and blood.</p> <p>Description of functions of the circulatory system, such as transporting oxygen, nutrients, and waste products throughout the body and Explanation of the role of the heart in pumping blood and the pathway blood takes through the body.</p>	
		5. The Nervous System	<p>Identification of the major components of the nervous system, including the brain, spinal cord, and nerves.</p> <p>Description of functions of the five sense organs.</p>	<p>Relate the functions of the nervous system to everyday experiences, such as sensing pain, responding to stimuli, and controlling movement.</p> <p>Explain the importance of protecting the nervous system through safety measures and healthy habits.</p>
August	23	6. Rocks and Minerals	<p>Recognition and classification of common types of rocks, including igneous, sedimentary, and metamorphic rocks.</p> <p>Distinguish between rocks and minerals based on their properties and composition.</p> <p>Identification of characteristics of minerals, such as color, luster, hardness, cleavage, and streak.</p>	<p>Recognize the importance of proper identification and classification of rocks and minerals in scientific research and exploration.</p> <p>Apply knowledge of rock and mineral properties to identify samples and specimens.</p>
		7. States of Matter	<p>Students will be able to identify and classify the three primary states of matter: solid, liquid, and gas.</p>	<p>Investigate and compare the properties of materials in different states of matter, such as density, solubility, and compressibility.</p>

			Students will understand the characteristic properties of each state of matter, including shape, volume, and particle arrangement.	Design and conduct simple experiments to investigate changes in state under different conditions.
			Students will learn about the processes of melting, freezing, evaporation, condensation, and sublimation	
			Students will understand the relationship between temperature and changes in state.	
September - Mid-Term Exams (Based on the syllabus covered from April to August)				
October	20	8. Air and Water	Students will be able to identify the components of air, including nitrogen, oxygen, carbon dioxide, and other gases.	Make water cycle system for better understanding of evaporation, condensation and precipitation.
			Students will understand the processes involved in the water cycle, including evaporation, condensation & precipitation etc.	
			Students will recognize the importance of air quality and its impact on human health and the environment	
			Students will recognize the importance of conserving water resources and reducing water wastage.	

		9. Force and Energy	Students will identify and describe different types of forces, including gravitational force, frictional force, magnetic force, and applied force.	Divide students into teams and set up a relay course with stations representing different forms of energy (e.g., light, sound, kinetic). At each station, students must perform an action to transfer energy to the next teammate (e.g., shining a flashlight, bouncing a ball, playing a musical instrument). Time each team to see how quickly they can complete the relay.
			Students will identify different forms of energy, including kinetic energy, potential energy, thermal energy, light energy, sound energy, and electrical energy.	
November	22	10. Simple Machines	Identification of simple machines that are commonly used to do work.	Identify and describe real-world applications of simple machines in various fields, such as construction, transportation, and manufacturing.
			. Types of lever used to do work.	Analyse how simple machines make work easier or more efficient in specific tasks or processes.
December	18	11. The Moon	To learn about the moon which is the earth's natural satellite? To learn and identify different phases of moon. To learn about the uses of artificial satellites in space.	Discuss the potential benefits and challenges of future human missions to the Moon, including scientific research and exploration of resources.
				Demonstrate skills in observing and recording lunar phases using tools such as lunar calendars, digital apps.

			Definition and identification of different types, including earthquakes, tsunamis, volcanic eruptions and droughts.	Evaluate sources of information about natural disasters, including news reports, scientific research, and government agencies.
		12. Natural Disasters		Develop critical thinking skills to discern reliable information from misinformation and propaganda related to natural disasters.
Periodic Test -II Based on the syllabus covered in November				
January	23	13.Our Environment	Identification of various types, including air pollution, water pollution, soil pollution, and noise pollution and their main sources.	Explore strategies for preventing and mitigating environmental pollution, such as reducing waste, conserving energy, promoting sustainable practices, and implementing pollution control technologies.
			Identification of common sources of pollution in different environments, such as factories, vehicles, agricultural activities, improper waste disposal, and industrial processes.	Discuss the importance of individual and collective actions in reducing pollution and protecting the environment for future generations.
		14. Light and Shadow		Conduct hands-on experiments to investigate the behavior of light and shadows, such as shadow puppetry, making shadow art, or observing how shadows change with the movement of objects or light sources.
			Description of shadow and how they are formed when light is blocked by an object.	Record observations, analyze results, and draw conclusions to deepen understanding of light and shadow concepts.

			Explanation of transparent, translucent, and opaque materials and	
February			Revision for Term -II	
February- March Term -II Exams (Based on the syllabus covered in from October to February)				

Social science

Books Recommended-Globe Trotters, Rohan's Publisher

Month	No. of working days	Concepts/Chapters to be taught	Learning Objectives	Activities/Art Integrated/SDG/Values & Life Skills
April	20	Ch-1 Globe and Maps	To teach the students about <ul style="list-style-type: none"> ➤ Continents and oceans on the earth ➤ Globe and map , Types of Map 	On an outline map of the world, mark and label all the continents and oceans on the earth.
		Ch-2 Latitudes and Longitudes	<ul style="list-style-type: none"> • Define latitude and longitudes • North Pole, South Pole 	Exploration - GPS in smart class
		Ch-3 Major Landforms	Learner will learn about <ul style="list-style-type: none"> • Mountains • Plateaus • Plains • deserts 	Take a shoe box and fill it with sand and show sand dunes.
May	24	Ch-4 Weather and climate	students will read about <ul style="list-style-type: none"> • weather and it elements • temperature zones 	Draw the temperature zones on a chart with different colours
		Ch-5 Democratic republic of Congo	Explain the <ul style="list-style-type: none"> • Location and extent of democratic Republic of Congo 	

		Ch-6 Greenland : The land of Ice and Snow	Reading of <ul style="list-style-type: none"> History , life and Occupation of the people 	On an outline map of the world ,mark and label Greenland.
Periodic Test -I Based on the syllabus covered in April				
July	25	Ch-7 Saudi Arabia : The land of Sandy Desert and Oases	Students will read about <ul style="list-style-type: none"> Saudi Arabia's location, climate religions 	Search and discuss with the classmates the types of clothes required for a person who is visiting a place with hot and dry climate.
		Ch-8 Prairies – The Grassy Plains	To explain the location and life of people of Prairies	
		Ch-9 Natural Disasters	Reading of <ul style="list-style-type: none"> Natural disasters Like flood ,drought, earthquakes ,cyclone 	Do research and make a list of major floods occurred in India in the last two years. Which is the most frequently affected state?
August	23	Ch-10 Moving near and far	Different means of transport	Find out the names of major cities located along the Grand Trunk road Running between Punjab and Srinagar
September - Mid-Term Exams (Based on the syllabus covered from April to August)				
October	20	Ch-11 Let's Communicate	To tell about mass communication	
		Ch-12 Recording and Spreading Knowledge	Development in the field of writing Story of paper Invention of Printing	
		Ch-13 Milestones in Healthcare	Students will read about Important inventions in field of healthcare	Collect the pictures of different types of instruments and machines used in hospitals. Paste them in scrapbook.
November	22	Ch-14 Unforgettable Personalities	Knowledge of Some great personalities of the world	
		Ch-15 The Torchbearers	They will read about some great religious leaders	Fill the given word web .

December	18	Ch-16 British rule and Struggle for Freedom	Read about Formation of Indian National Congress	
		Ch-17 India wins Freedom	Reading about Revolutionaries in freedom movement	On an outline map of India, marks and label the following places. 1. Mumbai 2. Amritsar 3. Gorakhpur
Periodic Test -II Based on the syllabus covered in November				
January	23	Ch-18 Government in India	Learner will learn about- Constitution • The Central government	
		Ch-19 The United Nations	Formation of UN, Objective of the UN	
February	Revision for Term -II			
February- March Term -II Exams (Based on the syllabus covered in from October to February)				
G.K				
Books Recommended-Wisdom Tree,Souvenir				
Term 1	Unit 1 to Unit 4			
Term 2	Unit 5 to 8			

Knowledge, Integrity, Strength

