



**Yash Memorial School**  
**Sector 58, Gautam Buddh Nagar, Noida, Uttar Pradesh-201307**  
**Yearly Syllabus of (2024-25)**  
**Class -7**

**Subject :- Hindi**

महीना	वसंत भाग-1, बाल महाभारत कथा, व्याकरण	क्रियाकलाप	योग्यता, कौशल एवं अवधारणाओं का निर्धारण	सांकेतिक मूल्य बिंदु
अप्रैल- जून	हम पंछी उन्मुक्त गगन के, दादी माँ बाल महाभारत कथा का आमुख, देवव्रत, भीष्म प्रतिज्ञा गुणवाचक विशेषण, द्वंद्व समास, वाक्य प्रयोग, अवकाश पत्र, अनुच्छेद लेखन	सस्वर गायन, वाद-विवाद, पक्षियों के संरक्षण के उपाय किन्हीं पांच देशों के राष्ट्रीय पक्षियों के बारे में जानकारी एकत्रित करें।	श्रवण कौशल, भाषण कौशल, चिंतन कौशल, अवधारणाओं की समझ, सुजनात्मकता	मौखिक अभिव्यक्ति तार्किकता, भाषण प्रतियोगिता, भाषण क्षमता, प्रस्तुतीकरण, आत्म विश्वास, व्याकरणिक अवधारणाओं की समझ, सुजनात्मकता
जुलाई	हिमालय की बेटियाँ, कठपुतली, मिठाईवाला अंबा और भीष्म से भीम तक विशेषण-विशेष्य, उल्टे एवं सार्थक शब्दों के अन्य रूप, शब्द परिवार, प्रत्यय, अपठित गद्यांश	सामूहिक चर्चा रचनात्मक कक्षा परीक्षा	चिंतन कौशल, लेखन कौशल	मौखिक अभिव्यक्ति तार्किकता प्रस्तुतीकरण अवधारणाओं की क्रमबद्धता सुजनात्मकता
अगस्त	रक्त और हमारा शरीर, पापा खो गए, शाम-एक किसान कर्ण से जरासंध तक वाक्य प्रयोग, मुहावरें और कहावतें, विराम चिह्न, सा-से-सी का प्रयोग, संवाद लेखन, अनुच्छेद लेखन	नाटकीकरण कहानी बोलना संवाद-कौशल कक्षा-कार्य गृह-कार्य	अभिनय भाषण कौशल प्रस्तुतीकरण लेखन कौशल	संवाद योजना आत्मविश्वास विवरण की क्रमबद्धता वर्तनी विन्यास सुलेख एवं रख-रखाव नियमितता
सितंबर	चिडिया की बच्ची शकुनि का प्रवेश से मायावी सरोवर तक अनेकार्थक शब्द, आना- प्रत्यय, निबंध लेखन पुनरावृत्ति	कहानी बोलना कक्षा परीक्षा	वाचन कौशल भाषण कौशल लेखन कौशल	उच्चारण की शुद्धता क्रमबद्धता प्रस्तुतीकरण भावाभिव्यक्ति नैतिक मूल्य
द्वितीय सत्र				
अक्टूबर	रहीम के दोहे, कंचा, अपूर्व अनुभव यक्ष प्रश्न, अज्ञातवास भाषा का मानक रूप, मुहावरें और लोकोक्तियाँ		लेखन कौशल, चिंतन कौशल सुजनात्मकता	विषय विवरण प्रस्तुतीकरण आत्मविश्वास सार्थकता
नवंबर	एक तिनका, खानपान की बदलती तसवीर प्रतिज्ञापूर्ति से पांडवों और कौरवों के सेनापति तक	विवरण- संकलन सामूहिक चर्चा	भाषण कौशल चिंतन कौशल	परखने का कौशल तार्किकता

	समास, मित्र को पत्र, अनुच्छेद लेखन	अवधारणाओं की समझ विभिन्न राज्यों के व्यंजनों की सूची बनाकर नाम सहित लिखें।		मौलिकता भाषण क्षमता आत्मविश्वास
दिसंबर	नीलकंठ, भोर और बरखा पहला, दूसरा, तीसरे दिन के युद्ध से अभिमन्यु तक शब्द परिवार, संधि	सामूहिक चर्चा रेखाचित्र की विशेषताएँ कक्षा परीक्षा	वाचन कौशल श्रवण कौशल लेखन कौशल	प्रस्तुतीकरण भाषण क्षमता आत्मविश्वास
जनवरी	वीर कुँवरसिंह, संघर्ष के कारण मैं तुनुक मिजाज हो गया-धनराज, आश्रम का अनुमानित व्यय युधिष्ठिर की चिंता और कामना से युधिष्ठिर की वेदना तक वचन, प्रत्यय, तत्पुरुष समास	किन्ही पांच स्वतंत्रता सेनानियों के बारे में जानकारी एकत्रित करें।	चिंतन कौशल लेखन कौशल सृजनात्मकता	विषय प्रस्तुतीकरण सार्थकता रख-रखाव नियमितता
फरवरी	विप्लव गायन पांडवों का धृतराष्ट्र के प्रति व्यवहार से श्रीकृष्ण और युधिष्ठिर तक विराम चिह्न आवश्यक पुनरावृत्ति	सस्वर वाचन प्रश्न मंच	वाचन कौशल श्रवण कौशल विषय ज्ञान सजगता कुशाग्रता	तार्किकता मौलिकता आत्मविश्वास भावाभिव्यक्ति
मार्च	पुनरावृत्ति			

### Subject :- English

Month	Topic	Grammar	Skills assessment	Skills/ Competencies
April	L1.The Three Questions(Prose) P1.The Squirrel (Poem ) S1.The Tiny Teacher (supplementary)	The Sentence  Phrases and clauses  Noun: Number and Gender	1. Diary entry 2 Role play 3. Comprehension questions 4. Collect pictures and interesting info on 'ants'	Reading comprehension; life skills: self-realisation and value inculcation; writing ; vocabulary

May	L2.A Gift of Chappals (Prose) P2.The Rebel (Poem ) S2. Bringing up Kari (Supplementary)	Noun: Kinds Pronoun	1.Notice writing 2.Composing a poem 3.Rhyme scheme, exaggeration, contrast etc	Speaking Writing Reading; Understanding a poem and analysis
July	L3. Gopal and the Hilsa Fish (Prose) P3. The Shed (Poem) S3. The Desert (supplementary)  <b><u>FA-I (REVISION)</u></b>	Adjectives: Kinds  Degrees of Comparison  Verbs	1.Comprehensive passages 2.Paragraph writing 3Collect information on DESERT PLANTS & ANIMALS	Reading Writing Reading Vocabulary
August	L4.The Ashes that Made the Trees Bloom (Prose) P4.Chivvy (poem) S4.The Cop and the Anthem	Adverbs: Kinds Subject-Verb Agreement Interjection	1.Recitation 2. Conversation and Dialogue writing 3.Comprehension passage	Speaking Writing Reading Understanding
September	S5.Golu Grows a Nose (Supplementary)  SA-I (REVISION)	Tenses- I Simple present tense Present Continuous tense Present Perfect tense  SUMMATIVE ASSESSMENT-I	1.Advertisement 3.Reading comprehension	Writing Reading Comprehension; Writing

October	L5.Quality (Prose) P5.Trees (poem) S6.I Want Something in a Cage (supplementary) MESSAGE WRITING	Tenses- II Simple past tense Past Continuous tense Past Perfect tense	1.Dialogue writing practice 5. compose a poem/collage 2. Tree-Walk in school /vicinity 3. Importance of Trees-File/ Collage	Writing; Vocabulary; Speaking; Rhyming words	
November	L6.Expert Detectives (prose) P6.Mystery of the Talking Fan (Poem) S7.Chandni (supplementary) L7. The Invention of Vita-Wonk (Prose)	Tenses- III Simple Future tense Future Continuous tense Future Perfect tense	1.Debate and Speech writing	Reading, writing, listening, speaking Creativity Vocabulary	
December	L8.Fire: Friend and Foe (Prose) P7. Dad and the Cat and the Tree (Poem) S8. The Bear Story (Suppl) P8. Meadow Surprises (Poem)	Active and passive Voice Vocabulary	Comprehension and composition	Writing, speaking Creativity Vocabulary	
January	L9.A Bicycle in Good Repair (Prose) S9. A Tiger in the House (Suppl)	Direct and Indirect speech	1.Story telling 2.composing a poem	Listening, speaking, writing	
February	P9. Garden Snake (Poem) L10.The Story of Cricket (Prose) S10.An Alien Hand (Suppl)	Revision	1.collect info on 'snakes', 'origin of cricket' etc (Revision)	Speaking Listening Writing Understanding	

### Subject:- Science

MONTH	CHAPTER	SUB TOPICS	LEARNING OBJECTIVES	PRACTICAL /ACTIVITIES	LEARNING OUTCOMES
APRIL	NUTRITION IN PLANTS	Autotrophic mode, Heterotrophic mode, Saprotrophs, Replenishing nutrients Nutrition in Hydra, Amoeba, Frog	<ul style="list-style-type: none"> <li>➤ Mode of nutrition</li> <li>➤ Replenishing of nutrients</li> <li>➤ Mode of nutrition in animals like Hydra, Amoeba, Frog</li> </ul>	Photosynthesis in Plants  Test of starch & oil etc.	Students will be able to <ul style="list-style-type: none"> <li>➤ Understand various mode of nutrition in plants and animals</li> </ul>
	NUTRITION IN ANIMALS				
MAY	WINDS, STORMS AND CYCLONES	Air exerts pressure, air expands on heating, wind currents, thunderstorms and cyclones, safety measures	<ul style="list-style-type: none"> <li>➤ Air exerts pressure</li> <li>➤ Advance technology to detect cyclones</li> <li>➤ Safety measures</li> </ul>	Formation of cyclones, Find the direction of wind. To show air exerts pressure	Students will be able to <ul style="list-style-type: none"> <li>➤ Understand the difference between the air, wind and cyclones</li> <li>➤ How monsoon wind carry rain</li> </ul>
	FIBRE TO FABRIC	Fiber and its types	<ul style="list-style-type: none"> <li>➤ Fibers and its types</li> <li>➤ Properties &amp; uses</li> </ul>		Will be able to identify the types of animal fiber

<p><b>JULY</b></p>	<p>PHYSICAL AND CHEMICAL CHANGES.</p> <p>HEAT</p>	<p>Physical and Chemical Changes, Characteristics of a chemical reaction Types of chemical reactions</p> <p>Heat, Effects of heat, Expansion in solids, liquids and gases Temperature and its measurement</p>	<ul style="list-style-type: none"> <li>➤ Chemical and physical changes</li> <li>➤ characteristics of a chemical reaction</li> </ul> <p>Types of a chemical reaction</p> <ul style="list-style-type: none"> <li>➤ Heat and its effects</li> <li>➤ Expansion in all three states</li> </ul>	<p>To provide various examples of day to day activity</p> <p>To observe and understand the use a thermometer and take readings.</p>	<p>Students will be able to understand</p> <ul style="list-style-type: none"> <li>➤ About the changes taking place</li> <li>➤ Nothing is permanent as change is the law of nature</li> <li>➤ Understand how heat flows and its effects</li> </ul>
<p><b>AUGUST</b></p>	<p>ACID BASES AND SALTS</p>	<p>Conduction, Convection Radiation.</p> <p>Types of Acids, bases and Salts. and their important properties. Uses of salts</p>	<ul style="list-style-type: none"> <li>➤ Conduction, convection, and Radiation with their applications.</li> <li>➤ identify the three different substances acid, base and salts on basis of properties.</li> </ul>	<ul style="list-style-type: none"> <li>➤ To observe in day to day -the three process of heat flow</li> </ul> <p><b>Activities</b></p> <ol style="list-style-type: none"> <li>1. To test lemon</li> <li>2, Soap Water</li> <li>3.Common salt</li> </ol>	<p>Students will be able to Understand and differentiate the three different processes.</p> <p>Students will be able to identify the three different substances acid, base, and salts on basis of properties.</p>

<p><b>SEPTEMBER</b></p>	<p>WATER: A PRECIOUS RESOURCE</p> <p>WEATHER, CLIMATE AND ADAPTATION</p>	<p>Water and its conservation</p> <p>Weather, Climate Factors Effecting Weather &amp; climate. Climate &amp; Adaptation of both plants and animals</p>	<p>WATER CONSERVATION</p> <ul style="list-style-type: none"> <li>☑ Weather and Climate</li> <li>☑ Factors</li> <li>☑ Adaptation in animals and plants</li> </ul>	<p><b><u>ART INTEGRATED ACTIVITY-</u></b> To Prepare a poster with a strong message of 'Save water Savelife'</p> <p><b><u>ACTIVITY BASED LEARNING</u></b> Using the Cutting, making collage of different weather patterns</p>	<p>Students will be able to enhance their creative skills and bring in lot of awareness.</p> <p>Students will be aware of types of weather and seasons and enhance their creative skills by activity</p>
<p><b>OCTOBER</b></p>	<p>RESPIRATION IN ORGANISMS</p> <p>MOTION AND TIME</p>	<p>Respiration in plants and animals. Respiration in humans and types of respiration</p> <p>Standard units, measurement of time, speed uniform motion, non-uniform motion, distance — time graph.</p> <ul style="list-style-type: none"> <li>➤ Motion and measurement</li> <li>➤ Motion and time</li> </ul>	<ul style="list-style-type: none"> <li>➤ Importance of respiration in plants and animals, humans.</li> <li>➤ Aerobic and anerobic respiration</li> <li>➤ Time period of a simple pendulum</li> </ul>	<p>Students will perform few breathing exercises and know their breathing capacity and learn to exhale and inhale fully to improve their health</p> <p>Preparing simple pendulum and understanding the oscillatory motion</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> <li>➤ Improve their lung capacity</li> <li>➤ Will help them learn the yogic skill</li> <li>➤ Help them to understand role of diaphragm</li> <li>➤ Differentiate between static body and body in motion &amp; Identify types of motion</li> </ul>

<p><b>NOVEMBER</b></p>	<p>REPRODUCTION IN PLANTS.</p> <p>ELECTRIC CURRENT AND ITSEFFECTS.</p>	<p>Asexual reproductionin plants, vegetative artificial methods sexual reproduction</p> <p>Electric current and circuit, Effects ofElectric current, Electromagnet.</p>	<ul style="list-style-type: none"> <li>➤ Reproduction and its types &amp; importance</li> <li>➤ Circuit and its components</li> <li>➤ Electricity and electric currents</li> <li>➤ Electromagnet</li> </ul>	<p>Spore Formation In Bread (hands on activity)</p> <p>Preparation of an electromagnet.</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> <li>➤ Identify between asexual and sexual reproduction</li> <li>➤ Students will learn to hands on activity</li> <li>➤ Develop Observation Skill</li> </ul>
<p><b>DECEMBER</b></p>	<p>LIGHT</p> <p>TRANSPORTATION OF MATERIALS IN PLANTS AND ANIMALS</p>	<p>Rectilinear propagation of Light,Reflectionof Light,Real and virtual image, Spherical mirrors, Lenses, Spectrum.</p> <p>Transportation of materials in Plants, and in Animals,</p>	<ul style="list-style-type: none"> <li>➤ Rectilinear propagation of light</li> <li>➤ Real and virtual images, mirror, lenses</li> <li>➤ Importance of transportation of materials in</li> </ul>	<p>Find focus and focal length of concave mirror.</p> <p>Find focus and focal length of convex lens.</p> <p>into their favorite object/animal /plant</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> <li>➤ Know the property of light</li> <li>➤ Differentiate between mirror and lenses on basis of features</li> </ul> <p>Students will be able to</p>

	FORESTS: OUR LIFELINE	<p>Excretion in animals and humans. excretory system</p> <p>Forest wealth, Producers, consumers and decomposers, and food chain. Balance In nature</p>	<p>both plants and animals. Excretion and</p> <p>Importance of Forests and its importance, Food Forest wealth, Food chain, Food web forest in our lives</p> <p>➤ MANAGEMENT OF WASTEWATER</p>	<p><b><u>ART INTEGRATED ACTIVITY</u></b></p> <p><u>To write a script of a small play on save trees and enact it.(Theatre Skill) OR</u></p> <p><b><u>ART INTEGRATED ACTIVITY-</u></b></p> <p>To also write a poem in a lyrical song form This will enhance <u>singing as well as writing skills</u></p>	<p>➤ Students will learn about the forest value and its importance through art and theatre.</p> <p>➤</p>
JANUARY	SOIL  Waste -water STORY	<p>Composition &amp; Formation of soil. Types of soil, Properties Crops and soil. Sewage Treatment. Class reading of chapters water and wastewater management</p>	<p>➤ Soil and its types ➤ Properties of soil</p> <p>Crops /soil</p> <p>to learn about the importance of cleaning and recycling wastewater</p>	<p>Water retention capacity of soil. Measuring percolation rate</p> <p><b>ACTIVITY BASED</b></p> <p>Activity Preparing a home water filter.</p>	<p>➤ Students will be able to learn about the importance of filtration to procure clean water. Characteristics of soil.</p>

FEBRUARY	REVISION		ANNUAL EXAMINATION		
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**Subject :- Social Science**

MONTH	CHAPTER	SUB-TOPICS	INNOVATIVE PEDAGOGY	Learning Outcomes
April HISTORY	Chapter — 1: Tracing Changes Through A Thousand Years	New and Old Terminologies, Historians and their sources, New social and Political Groups, Region and Empire, Old and New Religions, Thinking About Time and Historical Periods		
GEOGRAPHY	Chapter -1 Environment.	Components of environment Natural environment. What is Ecosystem? Human environment	<b>To make a diagram depicting Biotic and Abiotic components of the environment.</b>	<b>Students will be able to</b> Show their artistic skills. Understand the interdependence of biotic and abiotic components. Develop analytical mind to find out ways of conservation of the ecosystem. Pictures help to increase observation power and retention power.
SOCIAL & POLITICAL LIFE	Unit I: Equality in Indian Democracy. Chapter 1: On Equality	Equal Right to Vote Other Kinds of Equality Recognising Dignity Equality in Indian Democracy Issues of Equality in Other Democracies. Challenge of Democracy	<b>Pictures given on types of resources like human resources, man – made resources etc. – Students to identify the same.</b>	

<p>June</p> <p>HISTORY</p>	<p>Chapter - 2: New Kings and Kingdoms</p>	<p>The Emergence of new Dynasties Administration in the Kingdoms twelfth centuries. Prashastis and Land Grants. Warfare for Wealth A Closer Look: The Cholas: Temples, Bronze Sculpture and Administration of the Empire.</p>	<p><b>On a political map of India mark the following:</b></p> <ul style="list-style-type: none"> <li>• Area ruled by Rashtrakutas</li> <li>• Area ruled by Palas</li> <li>• Area ruled by Cholas</li> <li>• Area ruled by Gurjara Pratiharas</li> </ul>	<p><b>Students will be able to</b> Locate and identify the regions ruled by these dynasties in India. Develop map skills. Understand the climate and terrain of these regions, Have critical thinking on the continuous occurrence of Tripartite Struggle.</p>
<p>GEOGRAPHY</p>	<p>Chapter 2: Inside our Earth</p>	<p>Interior of the Earth. Rocks and minerals.</p>	<p><b>Individually students have to collect two or three samples of rocks they come across in day to day lives and give a small talk on any one of them: its origin, use, etc.</b></p>	<p><b>Students will be able to</b> Develop a keen sense of observation.</p>
<p>SOCIAL &amp; POLITICAL LIFE</p>	<p>Chapter-2: Role of government in health</p>	<p>What is Health? Healthcare in India Public and Private Healthcare Services Healthcare and Equality: Is adequate Healthcare available to all? What can be done? Kerala Experience Costa Rican Approach</p>		<p>Improve communication skills and gain confidence. Have hands on experience to differentiate between sedimentary, igneous and metamorphic rocks.</p>

<p>July HISTORY</p>	<p>Chapter — 3: The Delhi Sultans</p>	<p>Finding out about the Delhi Sultans from Garrison Town to Empire: The Expansion of the Delhi Sultanate A Closer Look: Administration and consolidation under the Khaljis and Tughluqs The Sultanate in the Fifteenth and Sixteenth Centuries</p>	<p><b>Each student to make a list of monuments that they have visited that made or built by various Delhi Sultans.</b> <b>Photo pasting</b> <b>Excursion to any of historical sites</b></p>	
<p>GEOGRAPHY</p>	<p>Chapter —3: Our Changing Earth</p>	<p>Earthquakes and Volcanoes Major Landforms Work of a River Work of sea Waves Work of Ice Work of wind</p>	<p><b>Each student to make diagrams of land forms formed by river, sea waves, ice and wind.</b></p>	<p><b>Students will be able to</b> Showcase their artistic skills. Identify and know about various land forms formed by the external agents on the earth.</p>
<p>SOCIAL &amp; POLITICAL LIFE</p>	<p>Chapter — 3: How the State Government Works.</p>	<p>Who is an MLA? A Debate in the Legislative Assembly Working of the Government</p>	<p><b>Interactive discussion on the role of an MLA and to find out the name of the MLA from the constituency of Gautam Buddha Nagar</b></p>	<p>Relate to such landforms found in India and in the world, e.g. the Sundarbans, The Thar desert- sand dunes.</p> <p><b>Students will be able to</b> Understand the need of MLA in the State Government.</p>

Aug./Sept.  HISTORY	Chapter-4: The Creation of an Empire Mughal Dynasty	Who were the Mughals? Mughals military campaigns Mughal tradition of succession Mughal relation with others.	<b>On the political map of India, each student has to locate and mark the following cities: Delhi, Agra, Fatehpur Sikri, Berar, and Ajmer.</b>	<b>Students are able to</b> Develop map skills. Connect the cities with the rulers and their major contributions. Understand the importance of these cities in present
SOCIAL & POLITICAL LIFE	Chapter-4- Growing up as Boys and Girls	Growing up in Samoa Islands in 1920's Growing up Male in MP'S (1960'S) Valuing House works, Life of Domestic workers, women's work and Equality	<b>In class, students to draw various professionals and write reflection on why they choose particular gender for drawn professionals.</b>	
SOCIAL & POLITICAL LIFE	Chapter-5 - Women Change the world	Fewer opportunities and rigid expectations Learning for change - Women's Movements	<b>In groups students to collect information about any three methods of Women's Movements- present any one method with the help of newspaper cuttings or data collected from any other source.</b>	<b>Students are able to</b> Improve their communication skills. Know about the struggle of women in India to get their rights and identity. Understand the significance of equality in the society, between

GEOGRAPHY	Chapter 4- Air	Structure of the Atmosphere, Weather and Climate, Temperature, Air Pressure, Wind, Moisture	<b>Each student to draw a diagram on the structure of the atmosphere and also draw a diagram on the composition of atmosphere</b>	<b>Students are able to</b> Differentiate between the structure and composition of atmosphere. Understand the significance of each layer of the atmosphere. Showcase their artistic skills.
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HISTORY	Chapter — 5: Rulers and Building	Features of 'Chahar bagh' architecture	—	<p><b>Students are able to</b>          Appreciate the beauty of Mughal Architecture.          Understand the Chahar Bagh style. Connect this style of architecture with monuments like the Humayun's Tomb and the Taj Mahal.          Inculcate joy of exploring different types of architecture in India.          Enhancing observation and comparative skills of students.</p>
<p>Oct./Nov. HISTORY</p> <p>GEOGRAPHY</p>	<p>Chapter — 6: Towns Traders and Craftsperson</p> <p>Chapter —5: Water</p>	<p>Administrative Centres          Temple Towns and Pilgrimage Centres          A Network of Small Towns          Traders Big and Small          Crafts in Towns          A Closer Look: Hampi, Masulipatnam And Surat.          A Gateway to the West: Surat          Fishing in Trouble Waters          Masulipatnam New Towns and Traders</p> <p>Distribution of Water Bodies          Ocean Circulation Waves and Tides Ocean Currents</p>	<p><b>Map work: Each student, on the political map of India mark the important centres of trade and artisanal production - Thanjavur, Surat, Calcutta, Hampi and Madras</b></p> <p><b>Map Work: On the political map of the</b></p>	<p><b>Students will be able to</b>          Develop map skills. Connect cities with activities.          Understand the growth of temple towns.</p> <p><b>Students will be able to</b>          Develop map skills. Know the</p>

GEOGRAPHY	Chapter —6: Natural Vegetation and Wildlife.	<p>Forests  Tropical Evergreen  Tropical Deciduous  Temperate evergreen  Temperate Deciduous  Mediterranean  Vegetation Coniferous forests  Tropical Grasslands  Temperate Grasslands  Thorny Bushes</p>	<p><b>world each student to mark the major water bodies and the following ocean currents:</b></p> <ul style="list-style-type: none"> <li>• <b>The Gulf Stream</b></li> <li>• <b>The North Atlantic Drift</b></li> <li>• <b>The Kuro Shio Current</b></li> <li>• <b>The Alaska Current</b></li> <li>• <b>The Labrador Current</b></li> </ul> <p><b>Table – making:  In columns and rows features of different type of vegetations to be filled up.</b></p>	<p>location of various oceans.  Know the direction of warm currents and cold currents.  Understand the reason of warm and cold currents.</p> <p><b>Students will be able to</b>  Develop better comprehension and retention of the features of different vegetations of the world.</p>
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SOCIAL & POLITICAL LIFE	Unit IV: Media and Advertising. Chapter -6 Understanding Media	Media and Technology Media and Money Media and Democracy Setting Agendas.	<b>Students in groups to discuss and present their views on the role of media in our lives. Presentation to be made along with one or two props like magazines, newspaper, mobile, etc.</b>	<b>Students are able to</b> Understand the need of media. Reason out the significance of technology in media. Know what is newsworthy.
November  GEOGRAPHY   GEOGRAPHY	Chapter- 7:  Human Environment- Settlement, Transport and Communication   Chapter — 8: Human Environment Interactions The Tropical and The Sub- Tropical Region	Transport and Communication Roadways. Railways. Waterways Airways, communication Life in the Amazon Basin- Climate, Rainforests, People of the Rainforests. Life in the Ganga- Brahmaputra Basin	<b>Students will write which mode of transportation they use while visiting their grandparents.</b>   <b>Students in groups to collect Pictures on the Amazon Basin highlighting the present condition of this region.</b>	<b>Students are able to</b> Relate the climate and vegetation of the basin along with the location in the Torrid Zone. Understand the need of conservation of resources. Increase their digital skills and communication skills.

<p>December</p> <p>HISTORY</p>	<p>Chapter — 7:</p> <p>Tribes, Nomads and Settled Communities.</p>	<p>Beyond Big Cities: Tribal societies</p> <p>Who were the Tribal People?</p> <p>How Nomads and Mobile People Lived</p> <p>Changing Society: New Castes and Hierarchies</p> <p>A Closer Look: Gonds, The Ahoms</p> <p>Conclusion</p>	<p><b>Map Work: Each student, on a political map of India mark the following:</b></p> <ul style="list-style-type: none"> <li>• An area inhabited by Ahoms</li> <li>• An area inhabited by Bhils</li> </ul> <p><b>An area inhabited by Santhals</b></p> <ul style="list-style-type: none"> <li>• An area inhabited by Gonds</li> </ul>	<p><b>Students are able to</b></p> <p>Develop map skills.</p> <p>Know about the respective tribes of India and their activities.</p> <p>Understand the significance of tribes in our country.</p>
<p>SOCIAL &amp; POLITICAL LIFE (COMPLETED IN MAY – AS PER TAILORED SYLLABUS BY NCERT.)</p>	<p>Unit V: Markets.</p> <p>Chapter -8 Markets Around Us</p>	<p>Weekly Market.</p> <p>Shops in the neighbourhood</p> <p>Shopping Complexes and Malls</p> <p>Chain of Markets</p> <p>Markets Everywhere</p> <p>Markets and Equality</p>	<p><b>Students in groups to prepare a story line of a pair of shoes – from leather to the final product available in the shop.</b></p>	<p><b>Students are able to</b></p> <p>Be creative.</p> <p>Improve their communicative skills.</p> <p>Know about the chain of markets.</p> <p>Understand the long process of manufacturing a final product.</p>

	Chapter-9 A shirt in the Market	Cotton farmer in Kurnool Cloth Market of Erode Putting-out-System- Weaver Producing cloth At Home Garment Exporting Factory near Delhi The Shirt in the United States Who are the Gainers In the Market? Market and Equality	Students in group will write a story on market about buying something.	
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<p>January</p> <p><b>HISTORY</b></p>	<p>Chapter — 10: Eighteenth - Century — Political Formations</p>	<p>The Crisis of Empire and the Later</p> <p>Emergence of New States the Old Mughal Provinces Hyderabad, Awadh, Bengal</p> <p>The Watan jagirs of the Rajputs Seizing Independence: The Sikhs, The Marathas and The Jats</p>	<p><b>Map Work: Each student, on the political map of India mark the following:</b></p> <ul style="list-style-type: none"> <li>• Area ruled by Sikhs</li> <li>• Area ruled by Marathas</li> <li>• Awadh</li> <li>• Bengal</li> <li>• Hyderabad</li> <li>• Jats</li> </ul>	<p><b>Students are able to</b> Develop map skills. Connect the events with their locations after the decline of the Mughals. Understand the changes in India with the coming of Marathas and Sikhs.</p>
<p><b>GEOGRAPHY</b></p>	<p>Chapter —10: Life in The Deserts</p>	<p>The Hot Desert- Sahara- Climate, Flora and fauna, People</p> <p>The Cold Desert- Ladakh- Climate, Flora and fauna, People</p>		
<p><b>SOCIAL &amp; POLITICAL LIFE</b></p>	<p>Chapter — 10: Struggles for Equality</p>			
<p>February</p>	<p><b>ANNUAL EXAMINATION</b></p>	<p>Struggles for equality Tawa Matsya Sangh The Indian Constitution as A Living Document.</p>		

## Subject:- Mathematics

Month	UNIT/ CHAPTER	SUB TOPICS	LEARNING OUTCOMES	LAB MANUALACTIVITY
April	Integers  Fractions and Decimals	<ul style="list-style-type: none"> <li>• Properties of integers under addition, subtraction, multiplication and division.</li> <li>• Word Problems</li> <li>• Addition, subtraction, multiplication and division of fractions.</li> <li>• Basic operations on Decimals.</li> <li>• Word problems.</li> </ul>	<p><b>Students would be able to-</b>Perform various operations on integers. Comprehend and analyze the word problems involving integers.</p> <p>Visualize operations between fractions. Generalize shortcuts to perform various operations in fractions. Comprehend and analyze the word problems involving fractions.</p>	<p><b>LAB ACTIVITY:</b> Multiplication of Decimal numbers using graph sheets.</p>
June	Data Handling	<ul style="list-style-type: none"> <li>• Mean, median and mode of ungrouped data.</li> <li>• Double bar graph</li> <li>• Probability.</li> </ul>	<p><b>Students would be able to-</b>Organizing the data. Judging the best way of finding the central tendency. Finding central tendency of data. Draw double bar graph and interpret them. Calculating probability of an event in various situations</p>	<p><b>LAB ACTIVITY:</b> Make a group of 6 students. Each student will roll the dice 100 times and will make a tally marking table of outcomes. Compile the result of the group at the end. Now check if it fulfills the criteria of equal likely events.</p>

July	Simple equations	Solving a simple equation	<b>Students would be able to</b> Transpose values from one side of the equation to the	<b>LAB ACTIVITY:</b> Solution of a given linear equation by tiling method. <b>(Art integrated activity)</b>
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	Exponents and Powers	<ul style="list-style-type: none"> <li>Laws of Exponents</li> <li>Standard form</li> </ul>	<p>other side of the equation with ease. Solve simple equation in one variable.</p> <p><b>Students would be able to</b> Convert a number in exponential form. State various laws of exponents. Solve mathematical problems involving powers.</p>	
August	The Triangle and its Properties	<ul style="list-style-type: none"> <li>Angle sum property</li> <li>Exterior angle property</li> <li>Pythagoras theorem</li> </ul>	<p><b>Students would be able to</b> illustrate angle sum property and exterior angle property of triangle. State Pythagoras theorem Apply Pythagoras theorem in various problems.</p>	<p><b>LAB ACTIVITY:</b></p> <ol style="list-style-type: none"> <li>To verify that sum of all the interior angles of a triangle is <math>180^\circ</math> by paper cutting and pasting.</li> <li>To verify the exterior angle property of a triangle.</li> </ol>
September	<p>Visualizing solid shapes. (Activity based chapter)</p> <p>Perimeter and Area</p>	<p>Isometric Sketches and Oblique sketches</p> <p>Perimeter and area of</p> <ul style="list-style-type: none"> <li>Triangle and parallelograms.</li> <li>Area of circles</li> <li>applications (Area of cross roads by paper</li> </ul>	<p><b>Students would be able to –</b> Understand the need of Isometric Sketches and Oblique sketches and will be able to draw these sketches for given objects.</p> <p><b>Students would be able to –</b> Calculate the area and perimeter of different diagrams using formulas.</p>	<p><b>LAB ACTIVITY:</b> Verify Pythagoras theorem by paper cutting and pasting.</p> <p><b>LAB ACTIVITY: (Sports Integrated)</b> The <u>shot put</u> is one of the track and field games. Search about the circles and shots used in the game. Are these same for men &amp; women? <b>Activity:</b> Find the ratios of diameters and areas of the circles used in both the categories.</p>

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				Find the ratios of shot's weight used in both the categories.
October	<b>Revision for Half yearly Examination</b>			
November	<p>Symmetry (Activity Oriented)</p> <p>Practical Geometry</p> <p>Congruence of Triangles</p>	<ul style="list-style-type: none"> <li>• Lines of symmetry</li> <li>• Rotational symmetry</li> <li>• Construction of triangles</li> <li>• Concept of congruence</li> <li>• Congruence of triangles.</li> </ul>	<p><b>Students would be able to-</b> Find the line of symmetry or the order of rotational symmetry in any real-life object.</p> <p><b>Students would be able to-</b> Constructs simple triangles when three out of six elements are given (like three sides, two sides and included angle, a side and two angles etc. Exempted ex 10.1</p> <p><b>Students would be able to-</b> Identify congruency in two objects. Establishes congruence criterion for triangles. Appreciates that only three elements of two triangles are sufficient to find their congruence. Judge if the given two triangles are congruent.</p>	<p><b>PROJECT WORK:</b> (Integrated with Sustainable Development and Computer Science) Make a digital presentation on how bamboo has become popular material choice in architecture and in designing projects. Attach few pictures of bamboo architecture and find the beauty of Symmetry in those pictures. (To be marked in internal assessment.)</p> 

December	Comparing Quantities	<ul style="list-style-type: none"><li>• Application of percentage.</li><li>• Profit and Loss</li><li>• Ratio to %</li></ul>	<b>Students would be able to-</b> Find ratio between two quantities.	<b>RELATING THE CONCEPT TO THE REAL LIFE:</b>
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	Lines and Angles	<ul style="list-style-type: none"> <li>• Simple Interest.</li> <li>• Pairs of angles</li> <li>• Parallel lines and transversal.</li> </ul>	<p>Solve problems using unitary method. Apply the idea of percentage, profit loss and simple interest in her/his daily life. Calculate the profit and loss percentages. Calculate simple interest and total amount.</p> <p><b>Students would be able to</b> Recall the name of the relation in Two given angles. Find the value of required angle. Justify if the given lines are parallel.</p>	
January	Algebraic Expressions	<ul style="list-style-type: none"> <li>• Terms related to Algebraic expressions.</li> <li>• Operations on algebraic expressions.</li> </ul>	<p><b>Students would be able to</b>-Add and subtract to given algebraic expressions. Find the value of algebraic expression if value of variable is given. Producing formulas and rules using algebraic expressions.</p>	<p><b>LAB ACTIVITY:</b> Addition and subtraction of algebraic expressions by tiling method.</p> <p><b>(Art integrated activity)</b></p>
February	Final exam			

## Subject:- Computer

Month	Chapter	Practical
April	1. Understanding computer working	*Explore Utility software, Application software of windows. *Conversion Decimal to binary, Binary to Decimal
May	2. Knowing Operating system	Understanding windows control panel, collect information about open source operating system and software application on Pc
July	3. More on Ms Excel 4. Data Analysis with MS Excel	Use formulas, functions (SUM, AVERAGE, MIN, MAX, COUNT, IF) Sorting data, Autofilter, creating charts, sparklines
August	5. Introduction to HTML	Create simple web page using HTML, HEAD, BODY tags.
October	6. HTML text formatting	create webpage using text tags (p, br, hn, hr font, superscript, subscript)
November	7. Animations with Adobe Animate CC	Introduction to animation, shapes in animate, draw, editing, tween
December	8. Introduction to Python	Understanding programming language, python introduction, install python print() function, math operators.
January	9. Programming with python 10. cyber security and Netiquettes	data types, type(), input(), eval(), Len() function understand cyber security, attacks safety measures, netiquettes
February	Revision	