

**BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT**  
**ANNUAL PEDAGOGICAL PLAN (2024-25)**

**CLASS – VII**

**SUBJECT- English**

**LEARNING OBJECTIVES- To enable students to develop complex writing skills; apply punctuation, grammar and syntax skills; recognize and apply appropriate vocabulary and read with fluency with focus on comprehension.**

**RECOMMENDED BOOKS – Longman New Images, Climb with Cornerstone, New Images Literature Reader**

MONTH	NO. OF WORKING DAYS	COURSE CONTENT	LEARNING OUTCOME	INTERDISCIPLINARY	TEACHING LERNING STRATEGIES	ASSESSMENT TOOLS	RESOURCES USED
April	23	<p><b>Main course</b> -            Learning the game,            Be the best of            whatever you are,            Malgudi cricket            club</p> <p><b>Grammar</b> -            The sentence,            Nouns,            Pronouns</p> <p><b>Writing</b> -            Notice writing,            Poster Making</p>	<p>*Read and appreciate the text.            *Develop morality and aspiration to win in all stages of life.            *Acknowledge the poem and understand that we should be proud of whatever we are.</p>	<p>*Art – Draw on a sheet the field layout of your favourite outdoor sport and mark the position of the players.            * Art – Draw on a sheet a cartoon character from an animated film or cartoon who exemplifies being the best version of yourself.</p>	<p>*Lecture method            *Interactive method            *Inductive-            Deductive method</p>	<p>*Comprehension questions            *Creative writing tasks</p>	<p>Textbook,            Online platforms,            Peer editing and collaboration</p>

			<ul style="list-style-type: none"> <li>* Determine moral values.</li> <li>*Students will be able to analyze different kinds of sentences, nouns, pronouns and will be able to use it in their day to day life.</li> <li>* Understand the format and the method of notice writing and poster making.</li> </ul>	<ul style="list-style-type: none"> <li>*Language arts - Create a self portrait of your specialties in words.</li> <li>*Mathematics – Create word problems that incorporate different types of nouns and pronouns.</li> </ul>			
<b>June</b>	11	<p><b>Main course</b> - Binya's blue umbrella</p> <p><b>Grammar</b> - Adjectives, Adverbs, Articles</p> <p><b>Writing</b> – Message Writing</p>	<ul style="list-style-type: none"> <li>* Acknowledge the poem and understand that nature has perseverance as well as patience.</li> <li>*Develop a deep understanding of kinds of adjectives and adverbs.</li> <li>*Recognize definite and indefinite articles and simple and continuous tenses and learn using them in their sentences.</li> </ul>	<ul style="list-style-type: none"> <li>*Art - Your favourite possession has gone missing. Design a lost poster for it on a drawing sheet.</li> <li>* History - Analyze historical documents or biographies that use descriptive language with adjectives and adverbs.</li> </ul>	<ul style="list-style-type: none"> <li>*Inductive-Deductive method</li> <li>*Demonstrative method</li> <li>*Interactive method</li> </ul>	<ul style="list-style-type: none"> <li>*Quiz</li> <li>*Comprehension questions</li> <li>*Writing assignments</li> </ul>	Textbook, Interactive panels, Peer collaboration

			*Understand the format of message writing and method of message writing.				
<b>July</b>	25	<b>Main course</b> - Somebody's mother, Gravity <b>Grammar</b> - Simple Tenses, Continuous Tenses, Perfect Tenses, Modals and auxiliaries, Non-finite verbs, Transitive and Intransitive verbs <b>Writing</b> - Letter writing (Informal) <b>Supplementary Reader</b> – Doctor Dolittle learns animal language, Packing for the trip	*Develop empathy, compassion and kindness. *Interpret gravity and the world without gravity. *Learn and enjoy reading aloud with correct pronunciation and intonation. *Analyze tenses, modal auxiliaries and non-finite verbs. *Classify transitive and intransitive verbs. *Understand the format of letter writing, its tool and techniques and method of letter writing.	*Art -Make a collage using cut out pictures of people expressing any feeling. * History - Paste the picture and write about the scientific invention you like the most. *Language arts – Engage in writing exercises that involve using different tenses to tell stories, describe events and express ideas. * Language arts – Encourage students to use non-finite and transitive/intransitive verbs in their writing to add variety, clarity and depth to their compositions.	*Interactive method *Inductive-Deductive method	*Quizzes and tests *Comprehension questions *Creative writing task	Textbook, Online platforms, Worksheet and activities, Audio visual aids

<p><b>August</b></p>	<p>23</p>	<p><b>Main course</b> - The face on the wall <b>Grammar</b> – Prepositions, Conjunctions, Interjections <b>Writing</b> - Report writing <b>Supplementary Reader</b> – The Bazaars of Hyderabad</p>	<p>*Develop imagination skills and evaluate communication. *Identify and define prepositions, prepositional phrases and objects of the preposition. * Understand how sentences are formed using conjunctions. *Identify and use an interjection properly. *Express ideas fluently and spontaneously.</p>	<p>*Art - Create an interesting character for a self woven imaginative story. * Technology - Use word processing software to compose sentences, paragraphs or stories and incorporate appropriate prepositions, conjunctions and interjections.</p>	<p>*Interactive method *Inductive-Deductive method *Demonstrative method</p>	<p>*Comprehension questions *Grammar exercises *Projects *Writing assignments</p>	<p>Textbook, Activities, Peer collaboration</p>
<p><b>September</b></p>	<p>21</p>	<p><b>Main course</b> – As I grew older <b>Grammar</b> - Active and passive voice</p>	<p>*Acknowledge the poem about the wall that racism constructs and the light of forgotten dreams. *Understand active and passive voice.</p>	<p>*Art and Technology - Make an e-collage of some social activists who have raised their voice against discrimination. *History – Write historical narratives or reports using both active and passive voice to convey</p>	<p>* Interactive method *Inductive-Deductive method *Demonstrative method</p>	<p>*Comprehension questions *Grammar questions *Worksheet</p>	<p>Textbook, Online platforms, Worksheet</p>

				different perspectives and interpretations of events and figures.			
<b>October</b>	17	<b>Main course</b> - Indian classical dance forms <b>Grammar</b> - Subject - verb agreement, <b>Writing</b> - Letter writing (Formal)	*Learn about the tradition of music and dance in India. *Examine the agreement of subject and verb in a sentence. *Understand the format of letter writing, its tool and techniques and method of letter writing.	*Geography – Explore the geographic diversity of India and how it has influenced the development of different classical dance forms in various regions. *Art – Assign poster projects where students showcase examples of subject-verb agreement in advertising slogans, campaign messages or artistic expressions.	*Experiential learning *Interactive method *Inductive-Deductive method *Demonstrative method	*Quizzes and tests Comprehension questions *Writing assignments	Textbook, Interactive panels, Online platforms, Peer editing and collaboration
<b>November</b>	23	<b>Main course</b> - My lost dollar, All the world's a stage <b>Grammar</b> - Punctuation, Direct and Indirect speech	*Grasp the meaning of the chapter and develop the understanding of friendship and obligations. * Read and appreciate the poem on different stages of life.	*Art - Make a list and paste the pictures of the currencies used in atleast ten different G20 countries. * Philosophy – Explore existentialist philosophy and its connection to the	*Interactive method *Inductive-Deductive method	*Projects *Comprehension questions *Grammar exercises *Peer assessment	Textbook, Online platforms, Peer editing and collaboration

			<p>*Interpret Punctuations and direct-indirect speech.</p>	<p>themes of ‘All the world’s a stage.’          * Technology - Use word processing software to compose sentences, paragraphs or stories and incorporate appropriate punctuation marks.          *Art – Create comic strips that feature characters engaging in both direct and indirect speech.</p>			
<b>December</b>	18	<p><b>Main course</b> –          The holy panchayat  <b>Grammar</b> -          Transformation of sentences,          Kinds of phrases,  <b>Writing</b> -          Story writing</p>	<p>*Understand that one should choose justice and truth over anything in this world.          *Develop an understanding of sentences and kinds of phrases.          *Analyze and evaluate different stories and acquire imaginative skills.</p>	<p>*Civics – Connect the story to the principles of democracy, governance and justice.          * Art – Create visual aids that illustrate different types of sentences and phrases using diagrams, flowcharts or infographics.          *</p>	<p>*Lecture method          *Interactive method          *Inductive-Deductive method          *Demonstrative method</p>	<p>*Comprehension questions          *Grammar questions          *Worksheet          *Writing assignments</p>	<p>Textbook,          Online platforms,          Worksheet</p>
<b>January</b>	24	<p><b>Main course</b> - The case of the scientist's missing papers</p>	<p>*Comprehend the lesson.</p>	<p>*Science – Discuss how scientific knowledge and experimentation play</p>	<p>*Experiential learning          *Interactive method</p>	<p>*Comprehension questions          *Grammar exercises</p>	<p>Textbook,          Online platforms,          Peer editing</p>

		<b>Grammar</b> – Clauses, Kinds of clauses, Simple, compound and complex sentences	*Apply in real their real life situations. *Develop an understanding of different kind of sentences and clauses.	a role in solving the mystery. *Physical education – Use clauses to describe game strategies, rules and tactics in physical education activities. *Art – Assign creative writing projects where students will use simple, complex and compound sentences to develop characters, settings and plot lines in short stories or poems.	*Inductive-Deductive method	*Peer assessment	and collaboration
<b>February</b>	22	<b>Main course</b> – Shillong : The rock capital of India	*Comprehend a chapter about the city known as the rock capital of India, its culture and traditions.	* Geography – Explore the unique landscape, climate and natural beauty of the region.	*Experiential learning *Interactive method *Inductive-Deductive method	*Comprehension questions	Textbook, Project

**BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT**  
**Syllabus Plan for the Session 2024-25**  
**CLASS - VII**

**SUBJECT- SCIENCE**

**RECOMMENDED BOOKS –**

- 1. Science - Textbook for Class - VII - NCERT Publication**
- 2. Science exemplar problems for Class - VII, NCERT publication**

<b>MONTH</b>	<b>NUMBER OF WORKING DAYS</b>	<b>COURSE CONTENT</b>	<b>LEARNING OUTCOMES</b>	<b>INTERDISCIPLINARY</b>	<b>TEACHING LEARNING STRATEGIES</b>	<b>ASSESSMENT TOOLS</b>	<b>RESOURCES USED</b>
<b>April</b>	<b>23</b>	Ch 1 Nutrition in plants Ch 2- Nutrition in animals	<ol style="list-style-type: none"> <li>1. Able to understand the different modes of nutrition in plants and animals all kind [ unicellular and multicellular]</li> <li>2. Understand the basic difference between nutrients and nutrition.</li> <li>3. Understand different process of nutrition [ingestion to ejection ]</li> </ol>	<b>Understanding the nutritional needs , metabolism pathways, and interaction with environment in both plants and animals</b>	<b>Interaction</b>  <b>Demonstration</b>  <b>Lecture</b>  <b>Discussion</b>  <b>Questionnaire</b>	Concepts and sincerity through Class work, Tests[ period and term exams]  Home Work , Active participation in class	Online,  Offline,  Smart board  Suitable thing for demonstration, laboratory items and ,chemicals
<b>June</b>	<b>11</b>	Ch 3- Heat	<ol style="list-style-type: none"> <li>1. Able to understand basic difference between heat and temperature.</li> <li>2. Analyses</li> </ol>	<b>Understanding heat involves analyzing its transfer generation and</b>	<b>Interaction</b>  <b>Demonstration</b>	Concepts and sincerity through	Online,  Offline,



			<p>different types of thermometer and their uses.</p> <ol style="list-style-type: none"> <li>3. Able to convert different unit of temperature [ degree Celsius to Fahrenheit]</li> <li>4. Examine the difference between conduction , convection and radiation through different activities.</li> <li>5. With the help of diagram analyses the formation of land breeze and sea breeze and their causes.</li> </ol>	<b>dissipation across different systems.</b>	<p><b>Lecture</b></p> <p><b>Discussion</b></p> <p><b>Questionnaire</b></p>	<p>Class work, Tests[ period and term exams]</p> <p>Home Work , Active participation in class</p>	<p>Smart board</p> <p>Suitable thing for demonstration, laboratory items and ,chemicals</p>
<b>July</b>	<b>25</b>	<p>Ch 4 Acids bases and salts</p> <p><b>Tentative time table for Periodic Test-I 5 th July 2024 to 20th July 2024</b></p>	<ol style="list-style-type: none"> <li>1. Understand the basic difference between acids bases and salts.</li> <li>2. Gain information about acid indicator and their uses. [ perform activity to test the given substance is acid or base]</li> <li>3. Understand what is neutralization through</li> </ol>	<b>Understanding the properties , reactions and practical uses of acids, bases and salts.</b>	<p><b>Interaction</b></p> <p><b>Demonstration</b></p> <p><b>Lecture</b></p> <p><b>Discussion</b></p> <p><b>Questionnaire</b></p>	<p>Concepts and sincerity through Class work, Tests[ period and term exams]</p> <p>Home Work , Active participation</p>	<p>Online, Offline, Smart board</p> <p>Suitable thing for demonstration, laboratory items and ,chemicals</p>

			chemical equations and perform an activity to for the formation of salt in laboratory.			n in class	
<b>August</b>	<b>23</b>	Ch 5- Physical and chemical changes  Ch-6 Respiration in organisms  <b>Tentative time table for Periodic Test-I 23rd August 2024 to 04 sep. 2024</b>	<ol style="list-style-type: none"> <li>1. Understand the difference between physical properties and chemical properties. [ physical change and chemical change.] through certain activities like melting of ice , rusting of iron, burning magnesium ribbon.</li> <li>2. Analyse the different changes [ shape , colour, taste, hardness, etc</li> <li>3. Able to present the changes in chemical equations.</li> <li>4. Understand crystallization thought copper sulphate.</li> <li>5. Understand the complete meaning of respiration.</li> </ol>	<b>Environmental science could be explore to introduce the real world implementation of these changes. Interconnected in the natural world.</b>	<b>Interaction</b>  <b>Demonstration</b>  <b>Lecture</b>  <b>Discussion</b>  <b>Questionnaire</b>	Concepts and sincerity through Class work, Tests[ period and term exams]  Home Work , Active participation in class	Online, Offline, Smart board Suitable thing for demonstration, laboratory items and ,chemicals

			<p>6. Able to differentiate between external and internal respiration.</p> <p>7. Able to ciate between aerobic and an aerobic respiration</p>				
September	21	Ch- 7 Transportation in Animals and plants	<p>1. Able to understand the mechanism of transportation of material [ food , water and other chemical substance within the body.]</p> <p>2. Able to understand the different components of blood and their functions.</p> <p>3. Differentiate the different types of blood vessels and their functions.</p> <p>4. With the help of diagram , able to demonstrate how blood</p>	<b>Students can develop a holistic understanding of transportation in plants and animals linking biological processes with their environment and physical contexts</b>	<p><b>Interaction</b></p> <p><b>Demonstration</b></p> <p><b>Lecture</b></p> <p><b>Discussion</b></p> <p><b>Questionnaire</b></p>	<p>Concepts and sincerity through Class work, Tests[ period and term exams]</p> <p>Home Work , Active participation in class</p>	<p>Online,</p> <p>Offline,</p> <p>Smart board</p> <p>Suitable thing for demonstration, laboratory items and ,chemicals</p>

			<p>flows within the body.</p> <ol style="list-style-type: none"> <li>With the help of diagram able to demonstrate how human excretory system works in removal of waste product from our body..</li> <li>Analyse the functions of xylem and phloem in plants.</li> <li>Able to understand the osmosis process through activity.</li> </ol>				
October	17	Ch - 8 Reproduction in plants	<ol style="list-style-type: none"> <li>Able to differentiate the difference between asexual and sexual reproduction.</li> <li>Able to understand the different types of vegetative reproduction.</li> <li>Able to understand</li> </ol>	<p><b>Examine the impact of human activities and environmental changes on reproductive processes in plants and animals</b></p> <p><b>Exploring how environmental factors like temperature light and availability of resources</b></p>	<p><b>Interaction</b></p> <p><b>Demonstration</b></p> <p><b>Lecture</b></p> <p><b>Discussion</b></p> <p><b>Questionnaire</b></p>	<p>Concepts and sincerity through Class work, Tests[ period and term exams]</p> <p>Home Work , Active</p>	<p>Online, Offline, Smart board</p> <p>Suitable thing for demonstration, laboratory items and ,chemicals</p>

			<p>different types of asexual reproduction in animals</p> <p>4. With the help of diagram able to understand how the fertilization in flower takes place, also able to show the difference between self pollination and cross pollination.</p>	<p><b>influences reproductive strategies and success.</b></p>		<p>participation in class</p>	
<p><b>November</b></p>	<p><b>23</b></p>	<p><b>Ch - 9 Motion and time</b></p>	<p>1. Able to define motion with respect to time.</p> <p>2. Understand the need of different units of time and their conversion.</p> <p>3. Know about different types of motion with examples.</p> <p>Recognize different types of motion.</p>	<p><b>Discussing the ancient methods of measuring time and the inventions of devices like sundials , water clocks and mechanical clocks</b></p> <p><b>Use mathematical equations to calculate speed velocity and solve problems related to motion.</b></p>	<p><b>Interaction</b></p> <p><b>Demonstration</b></p> <p><b>Lecture</b></p> <p><b>Discussion</b></p> <p><b>Questionnaire</b></p>	<p>Concepts and sincerity through Class work, Tests[ period and term exams]</p> <p>Home Work , Active participation in class</p>	<p>Online,</p> <p>Offline,</p> <p>Smart board</p> <p>Suitable thing for demonstration, laboratory items and ,chemicals</p>
<p><b>December</b></p>	<p><b>18</b></p>	<p><b>Ch-10 Electric current and</b></p>	<p>1. Recognize different electric</p>	<p><b>Explore practical applications of</b></p>	<p><b>Interaction</b></p>	<p>Concepts</p>	<p>Online,</p>

		its effects	<p>components and their functions.</p> <ol style="list-style-type: none"> <li>2. Able to frame electric circuit with the help of different components.</li> <li>3. Able to understand heating effect of current, lighting effect of current and magnetic effect of current through activities / demonstration.</li> <li>4. Know the application of electromagnetic current via different experiments</li> </ol>	eclectic current and its effects such as lighting , heating and electromagnetism.	<p><b>Demonstration</b></p> <p><b>Lecture</b></p> <p><b>Discussion</b></p> <p><b>Questionnaire</b></p>	<p>and sincerity through Class work, Tests[ period and term exams]</p> <p>Home Work , Active participation in class</p>	<p>Offline, Smart board</p> <p>Suitable thing for demonstration, laboratory items and ,chemicals</p>
January	24	Ch- 11 Light	<ol style="list-style-type: none"> <li>1. Gain the information about the properties of light [ rectilinear propagation of light]</li> <li>2. Able to Proof laws of reflection of light in lab.</li> <li>3. Know about different properties of mirror and their</li> </ol>	Teaching of light could involve integrating science, art and technology for instance students could learn about science of light through experiments , Explore the use of light in art and photography	<p><b>Interaction</b></p> <p><b>Demonstration</b></p> <p><b>Lecture</b></p> <p><b>Discussion</b></p> <p><b>Questionnaire</b></p>	<p>Concepts and sincerity through Class work, Tests[ period and term exams]</p> <p>Home Work , Active participatio</p>	<p>Online, Offline, Smart board</p> <p>Suitable thing for demonstration, laboratory items and ,chemicals</p>

			uses. 4. Gain the information of two types of lens and their utility.			n in class	
<b>February</b>	<b>22</b>	<b>REVISION FOR ANNUAL EXAM</b>					

Note : PORTION HALF YEARLY EXAM

Ch-1 Nutrition in plants
Ch- 2 Nutrition in Animals
Ch- 3 Heat
Ch-4 Acids, bases and Salts
Ch-5 Physical and Chemical changes

**BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT**  
**Syllabus Plan for the Session 2024-25**  
**CLASS - VII**

**SUBJECT-Social Science**

**RECOMMENDED BOOKS –**

1. Our Pasts-II-NCERT BOOK
2. Social and Political Life- I-NCERT BOOK
3. OUR ENVIRONMENT-NCERT BOOK

<b>MON TH</b>	<b>NUMB ER OF WORKI NG DAYS</b>	<b>COURSE CONTENT</b>	<b>LEARNING OUTCOMES</b>	<b>INTERDISCI PLIN ARY</b>	<b>TEACHING LEARNING STRATEGIE S</b>	<b>ASSESSME NT TOOLS</b>	<b>RESOURCE S USED</b>
<b>April</b>	<b>20</b>	<b>HIS-Ch-1 Tracing Changes Through a Thousand Years</b>	<b>Students will be able to: To be aware of the new terms, empires, religions and social groups in India.</b>	<b>Explore history through archaeology, anthropology, geography, sociology, and cultural studies.</b>	<b>Engage with timelines, maps, and narratives to trace changes; use primary sources and artifacts for analysis.</b>	<b>Assess comprehension through quizzes, essays, and projects focusing on key historical transitions and events.</b>	<b>Utilize NCERT textbook, supplementary readings, documentaries, and online resources on Indian historical changes.</b>
		<b>GEO-Chapter -1 Environment</b>	<b>Understand the concept of the environment: its components, importance, and human impacts.</b>	<b>Explore the environment through geography, ecology, biology, sociology,</b>	<b>Engage with case studies, field trips, and discussions to understand</b>	<b>Utilize quizzes, presentations, and projects to assess understanding of</b>	<b>Refer to NCERT textbook, supplementary readings, documentaries, and</b>



		<p><b>SPL-Chapter 1: On Equality</b></p> <p><b>GEO-Chapter 2: Inside our Earth</b></p>	<p>Understand the concept of equality: its meaning, importance, and relevance in society.</p> <p>Understand the internal structure of the Earth: layers, composition, and processes shaping the Earth's interior.</p>	<p>and economics.</p> <p>Explore equality through civics, political science, sociology, ethics, and history</p> <p>Explore Earth's interior through geology, physics, chemistry, geography, and environmental science.</p>	<p>d environmental issues and conservation efforts.</p> <p>Engage with case studies, discussions, and role-plays to understand the principles of equality and discrimination.</p> <p>Engage with diagrams, models, and experiments to visualize Earth's layers and understand geological phenomena.</p>	<p>environmental concepts and challenges.</p> <p>Utilize quizzes, debates, and essays to assess understanding of equality issues and analyze solutions.</p> <p>Utilize quizzes, diagrams labeling, and short answer questions to assess understanding of Earth's internal structure.</p>	<p>online resources on environmental issues.</p> <p>Refer to SPL textbook, supplementary readings, case studies, and documentaries on equality and social justice.</p> <p>Refer to NCERT textbook, supplementary readings, educational videos, and online simulations on Earth's interior.</p>
June	11	HIS-CH 2- New Kings and Kingdoms	Understand the emergence of new kings and kingdoms in India: their origins, expansion, and	Explore history through archaeology, anthropology, geography,	Engage with maps, timelines, and primary sources to trace the rise of new	Utilize quizzes, map labeling exercises, and short answer questions	Refer to NCERT history textbook, supplementary readings, archaeology

			impact on society.	sociology, and political science.	kings and kingdoms in medieval India.	to assess understanding of medieval Indian history.	ical findings, and illustrations of medieval India.
		<b>SPL-Chapter-2: Role of government in health</b>	Understand the role of government in promoting health: policies, programs, and initiatives for public well-being.	Explore health governance through civics, political science, public health, sociology, and economics.	Engage with case studies, discussions, and documentaries to understand government's role in healthcare provision.	Utilize quizzes, debates, and presentations to assess understanding of the government's role in public health policies.	Refer to SPL textbook, supplementary readings, government health reports, and videos on public health initiatives.
<b>July</b>	<b>25</b>	<b>HIS-Ch3-The Delhi Sultans</b>	Understand the establishment and expansion of the Delhi Sultanate: rulers, administration, and cultural developments.	Explore medieval Indian history through archaeology, anthropology, geography, sociology, and political science.	Engage with maps, illustrations, and primary sources to learn about the Delhi Sultanate's reign and its impact	Utilize quizzes, short answer questions, and timeline assignments to assess understanding of medieval Indian history.	Refer to NCERT history textbook, supplementary readings, archaeological findings, and illustrations of medieval India.

		<b>Geo-Chapter —3: Our Changing Earth</b>	<b>Understand the dynamic processes shaping the Earth's surface: weathering, erosion, and deposition.</b>	<b>Explore Earth's processes through geography, geology, environmental science, meteorology, and hydrology.</b>	<b>Engage with diagrams, models, and case studies to comprehend the impact of geological processes on landforms.</b>	<b>Utilize quizzes, diagrams labeling, and short answer questions to assess understanding of Earth's changing surface.</b>	<b>Refer to NCERT geography textbook, supplementary readings, videos, and simulations on Earth's geological processes.</b>
		<b>SPL-3: How the State Government Works.</b>	<b>Understand the functioning of the state government: its structure, powers, and role in governance.</b>	<b>Explore state governance through civics, political science, law, economics, and sociology.</b>	<b>Engage with case studies, simulations, and discussions to understand the roles and functions of the state government.</b>	<b>Utilize quizzes, debates, and projects to assess understanding of state government operations and decision-making.</b>	<b>Refer to SPL textbook, supplementary readings, official state government websites, and documentaries on governance</b>
<b>August</b>	<b>22</b>	<b>GEO-Chapter 4- Air</b>	<b>Understand the composition and importance of the Earth's atmosphere: its layers, components, and role in sustaining life.</b>	<b>Explore the atmosphere through geography, meteorology, environmental science,</b>	<b>Engage with diagrams, experiments, and case studies to comprehend the</b>	<b>Utilize quizzes, diagrams labeling, and short answer questions to assess understanding</b>	<b>Refer to NCERT geography textbook, supplementary readings, educational videos,</b>

				<p>chemistry, and biology.</p> <p>Explore gender issues through civics, sociology, psychology, anthropology, and ethics.</p>	<p>properties and functions of the Earth's atmosphere.</p> <p>Engage with case studies, discussions, and role-plays to understand challenges and opportunities related to gender.</p>	<p>ing of atmospheric phenomena.</p> <p>Utilize quizzes, essays, and projects to assess understanding of gender dynamics and strategies for gender equality.</p>	<p>and online simulations on the atmosphere.</p> <p>Refer to SPL textbook, supplementary readings, documentaries, and online resources on gender studies and equality.</p>
		<p><b>SPL-Chapter-4- Growing up as Boys and Girls</b></p>	<p><b>Understand gender roles and stereotypes: their impact on children's development and society's expectations.</b></p>				

# ***BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT***

## ***Syllabus plan for the session 2024-25***

***Class : VII***

**SUBJECT : Mathematics**

**RECOMMENDED BOOKS : [i] NCERT Text book**

**[ii] Mathematics Exemplar Problems**

<b><i>MONTH</i></b>	<b><i>NUMBER OF WORKING DAYS</i></b>	<b><i>COURSE CONTENT</i></b>	<b><i>LEARNING OUTCOMES</i></b>	<b><i>INTERDISCIPLINARY CONNECTIONS</i></b>	<b><i>TEACHING -LEARNING STRATEGIES</i></b>	<b><i>ASSESSMENT TOOLS</i></b>	<b><i>RESOURCES USED</i></b>
April	23	1. Integers	<ul style="list-style-type: none"><li>• Understand the concept of integers and their representation on the number line.</li><li>• Perform addition, subtraction, multiplication, and division of integers.</li><li>• Apply integer operations to real-life situations.</li></ul>	<ul style="list-style-type: none"><li>• Connect with history by exploring the origins of negative numbers in ancient civilizations.</li></ul>	<ul style="list-style-type: none"><li>• Use visual aids like number lines and counters to illustrate concepts.</li><li>• Employ group activities for peer learning and collaboration.</li></ul>	<ul style="list-style-type: none"><li>• Formative assessments through in-class exercises and discussions.</li><li>• Summative assessments with integer problem-solving tasks.</li></ul>	<ul style="list-style-type: none"><li>• Textbooks and workbooks for exercises.</li><li>• Online interactive tools for visualizing integer operations.</li></ul>
		3. Data Handling	<ul style="list-style-type: none"><li>• Collect and organize data using various methods.</li><li>• Represent data using graphs such as bar graphs and pie charts.</li><li>• Analyze data and draw conclusions.</li></ul>	<ul style="list-style-type: none"><li>• Integrate with subjects like social studies to analyze historical data.</li></ul>	<ul style="list-style-type: none"><li>• Conduct surveys and experiments to collect data.</li><li>• Use technology tools for data visualization and analysis.</li></ul>	<ul style="list-style-type: none"><li>• Data collection projects with presentation of findings.</li><li>• Graph interpretation exercises.</li></ul>	<ul style="list-style-type: none"><li>• Data collection tools such as surveys and questionnaires.</li><li>• Graphing software for creating visual representations.</li></ul>

June	11	2. Fractions and Decimals	<ul style="list-style-type: none"> <li>• Understand the concept of fractions and decimals and their relationship.</li> <li>• Perform operations involving fractions and decimals.</li> <li>• Apply fractions and decimals to solve real-world problems.</li> </ul>	<ul style="list-style-type: none"> <li>• Relate fractions and decimals to concepts in cooking or art.</li> </ul>	<ul style="list-style-type: none"> <li>• Use manipulatives like fraction strips and decimal grids for hands-on learning.</li> <li>• Incorporate real-life examples to demonstrate the relevance of fractions and decimals.</li> </ul>	<ul style="list-style-type: none"> <li>• Performance tasks involving cooking recipes or budgeting scenarios.</li> <li>• Quizzes assessing understanding of fraction and decimal operations.</li> </ul>	<ul style="list-style-type: none"> <li>• Fraction and decimal kits for hands-on activities.</li> <li>• Online simulations for exploring fraction and decimal concepts.</li> </ul>
July	25	4. Simple Equations	<ul style="list-style-type: none"> <li>• Solve one-step and two-step equations.</li> <li>• Translate real-life problems into algebraic equations.</li> <li>• Apply equation-solving skills to practical situations.</li> </ul>	<ul style="list-style-type: none"> <li>• Connect with language arts by analyzing word problems and translating them into equations.</li> </ul>	<ul style="list-style-type: none"> <li>• Use concrete examples to introduce equation-solving techniques.</li> <li>• Scaffold learning with guided practice and gradual release of responsibility.</li> </ul>	<ul style="list-style-type: none"> <li>• Equation-solving tasks with real-life contexts.</li> <li>• Problem-solving assessments requiring equation formulation.</li> </ul>	<ul style="list-style-type: none"> <li>• Algebra tiles or balance scales for hands-on equation solving.</li> <li>• Online equation-solving tutorials and practice exercises.</li> </ul>
		5. Lines and Angles	<ul style="list-style-type: none"> <li>• Identify and classify different types of angles and lines.</li> <li>• Understand the properties of parallel lines and angles formed by a transversal.</li> <li>• Solve problems involving angles and lines.</li> </ul>	<ul style="list-style-type: none"> <li>• Explore connections with architecture and design in art and engineering.</li> </ul>	<ul style="list-style-type: none"> <li>• Use geometry software for interactive exploration of angles and lines.</li> <li>• Incorporate hands-on activities like angle measurement and construction.</li> </ul>	<ul style="list-style-type: none"> <li>• Angle measurement tasks with protractors.</li> <li>• Problem-solving tasks involving angle relationships.</li> </ul>	<ul style="list-style-type: none"> <li>• Geometry toolkits for angle measurement and construction.</li> <li>• Interactive geometry software for exploring angle properties.</li> </ul>
August	22	6. The Triangle and its Properties	<ul style="list-style-type: none"> <li>• Identify and classify different types of triangles based on sides and angles.</li> <li>• Understand the properties of triangles including the Triangle Inequality Theorem.</li> <li>• Apply triangle properties to solve problems involving perimeter, area, and angles.</li> </ul>	<ul style="list-style-type: none"> <li>• Explore connections with geometry in architecture and construction.</li> </ul>	<ul style="list-style-type: none"> <li>• Use hands-on activities like constructing triangles with rulers and compasses.</li> <li>• Engage students in collaborative problem-solving tasks involving triangle properties.</li> </ul>	<ul style="list-style-type: none"> <li>• Performance tasks involving triangle construction and analysis.</li> <li>• Problem-solving assessments on perimeter, area, and angle relationships in triangles.</li> </ul>	<ul style="list-style-type: none"> <li>• Geometry toolkits for triangle construction.</li> <li>• Online interactive resources for exploring triangle properties.</li> </ul>
		<b>Recapitulation of the chapters for Mid - Term Examination</b>					

September	21	7. Comparing Quantities	<ul style="list-style-type: none"> <li>• Understand the concept of ratios and proportions.</li> <li>• Compare quantities using ratios and proportions.</li> <li>• Apply percentage concepts in comparing quantities.</li> <li>• Solve real-life problems involving comparisons of quantities.</li> </ul>	<ul style="list-style-type: none"> <li>• Explore how comparing quantities is used in economic analysis, such as analyzing prices, discounts, and sales.</li> <li>• Discuss how ratios and proportions are used in science, such as in chemistry for calculating concentrations or in physics for understanding scaling.</li> <li>• Investigate how ratios and proportions are used in map scaling and calculating distances on maps.</li> </ul>	<ul style="list-style-type: none"> <li>• Present key concepts through engaging lectures with examples and visuals.</li> <li>• Conduct group activities to solve problems related to comparing quantities, fostering collaborative learning.</li> <li>• Use real-life scenarios and examples to demonstrate the relevance of comparing quantities.</li> <li>• Provide hands-on exercises and worksheets to reinforce understanding and application of concepts.</li> </ul>	<ul style="list-style-type: none"> <li>• Short quizzes to assess understanding of key concepts.</li> <li>• Evaluate participation and understanding through classroom discussions.</li> <li>• Assign practical problems and exercises for homework to assess application skills.</li> <li>• Assign projects where students apply comparing quantities concepts to real-life situations and present their findings.</li> <li>• Use formative assessments like exit tickets or concept maps to gauge ongoing understanding.</li> </ul>	<ul style="list-style-type: none"> <li>• Provide textbooks with detailed explanations and examples.</li> <li>• Distribute worksheets for practice and reinforcement of concepts.</li> <li>• Recommend websites and online tutorials for betterment.</li> <li>• Use physical manipulatives like blocks or counters to illustrate concepts.</li> <li>• Utilize interactive whiteboards for dynamic presentations and demonstrations.</li> </ul>
October	20	8. Rational Numbers	<ul style="list-style-type: none"> <li>• Understand the concept of rational numbers and their representation on the number line.</li> <li>• Perform operations involving rational numbers including addition, subtraction, multiplication, and division.</li> <li>• Apply rational number concepts to solve real-life.</li> </ul>	<ul style="list-style-type: none"> <li>• Connect with economics and finance to explore rational numbers in budgeting and financial transactions.</li> </ul>	<ul style="list-style-type: none"> <li>• Use visual aids like number lines and fraction models to illustrate rational number operations.</li> <li>• Incorporate cooperative learning activities for peer collaboration in solving rational number problems.</li> </ul>	<ul style="list-style-type: none"> <li>• Problem-solving tasks involving rational numbers in real-life contexts.</li> <li>• Quizzes and tests assessing understanding of rational number operations.</li> </ul>	<ul style="list-style-type: none"> <li>• Fraction kits and decimal models for hands-on exploration of rational numbers.</li> <li>• Online interactive tools for visualizing rational number operations.</li> </ul>
		9. Perimeter and Area	<ul style="list-style-type: none"> <li>• Calculate perimeter and area of various plane</li> </ul>	<ul style="list-style-type: none"> <li>• Connect with geography to</li> </ul>	<ul style="list-style-type: none"> <li>• Use practical examples like</li> </ul>	<ul style="list-style-type: none"> <li>• Performance tasks involving perimeter</li> </ul>	<ul style="list-style-type: none"> <li>• Measuring tools such as rulers,</li> </ul>

			<p>figures including rectangles, squares, triangles, and circles.</p> <ul style="list-style-type: none"> <li>• Understand the relationship between perimeter, area, and dimensions of geometric shapes.</li> <li>• Apply perimeter and area concepts to solve real-life problems.</li> </ul>	<p>explore land area measurements and map scale.</p>	<p>designing a garden or room layout to teach perimeter and area.</p> <ul style="list-style-type: none"> <li>• Incorporate outdoor activities for measuring real-world objects and calculating their perimeter and area.</li> </ul>	<p>and area calculations.</p> <ul style="list-style-type: none"> <li>• Real-life problem-solving assessments requiring application of perimeter and area concepts.</li> </ul>	<p>tape measures, and compasses.</p> <ul style="list-style-type: none"> <li>• Online tools for virtual geometric measurements and calculations.</li> </ul>
November	21	10. Algebraic Expressions	<ul style="list-style-type: none"> <li>• Understand the concept of algebraic expressions and their components (terms, coefficients, and variables).</li> <li>• Perform operations involving algebraic expressions including addition, subtraction, and multiplication.</li> <li>• Apply algebraic expressions to solve real-life problems.</li> </ul>	<ul style="list-style-type: none"> <li>• Connect with language arts to explore algebraic expressions in word problems and symbolic language.</li> </ul>	<ul style="list-style-type: none"> <li>• Use concrete examples and real-life situations to introduce algebraic expressions.</li> <li>• Provide opportunities for students to create their own algebraic expressions based on given scenarios.</li> </ul>	<ul style="list-style-type: none"> <li>• Problem-solving tasks involving algebraic expressions and equations.</li> <li>• Performance assessments assessing understanding of algebraic expression operations.</li> </ul>	<ul style="list-style-type: none"> <li>• Algebra tiles and manipulatives for hands-on algebraic expression modeling.</li> <li>• Online tutorials and practice exercises for algebraic expression operations.</li> </ul>
		11. Exponents and Powers	<ul style="list-style-type: none"> <li>• Understand the concept of exponents and powers.</li> <li>• Apply laws of exponents to simplify expressions and solve problems.</li> <li>• Use scientific notation to represent large and small numbers.</li> </ul>	<ul style="list-style-type: none"> <li>• Connect with science to explore exponents and powers in scientific notation and calculations</li> </ul>	<ul style="list-style-type: none"> <li>• Use visual representations and patterns to introduce exponents and powers.</li> <li>• Provide practice exercises to reinforce understanding of exponent rules.</li> </ul>	<ul style="list-style-type: none"> <li>• Problem-solving tasks involving exponent rules and scientific notation.</li> <li>• Quizzes and tests assessing understanding of exponent and power concepts.</li> </ul>	<ul style="list-style-type: none"> <li>• Manipulatives and visual aids for illustrating exponent concepts.</li> <li>• Online resources and tutorials for practicing exponent rules and scientific notation.</li> </ul>
December	18	12. Symmetry	<ul style="list-style-type: none"> <li>• Understand the concept of symmetry and different types of symmetry (line symmetry, rotational</li> </ul>	<ul style="list-style-type: none"> <li>• Connect with art and design to explore symmetry in patterns,</li> </ul>	<ul style="list-style-type: none"> <li>• Use hands-on activities like folding and cutting shapes to demonstrate</li> </ul>	<ul style="list-style-type: none"> <li>• Performance tasks involving identification of symmetrical figures</li> </ul>	<ul style="list-style-type: none"> <li>• Geometric shapes for hands-on symmetry exploration.</li> </ul>



			<p>symmetry).</p> <ul style="list-style-type: none"> <li>• Identify symmetrical figures and lines of symmetry.</li> <li>• Apply symmetry concepts to solve problems in geometry and art.</li> </ul>	<p>architecture, and visual arts.</p>	<p>symmetry.</p> <ul style="list-style-type: none"> <li>• Incorporate art projects where students create symmetrical designs.</li> </ul>	<p>and lines of symmetry.</p> <ul style="list-style-type: none"> <li>• Problem-solving assessments requiring application of symmetry concepts.</li> </ul>	<ul style="list-style-type: none"> <li>• Art supplies for creating symmetrical designs.</li> </ul>
January	24	13. Visualising Solid Shapes	<ul style="list-style-type: none"> <li>• Identify and classify 3D geometric shapes (cube, cuboid, cylinder, cone, sphere).</li> <li>• Understand the concept of nets and their relationship to 3D shapes.</li> <li>• Calculate surface area and volume of 3D shapes.</li> </ul>	<ul style="list-style-type: none"> <li>• Connect with physics and engineering to explore 3D shapes in structural design and measurements.</li> </ul>	<ul style="list-style-type: none"> <li>• Use physical models of 3D shapes for tactile learning experiences.</li> <li>• Incorporate virtual reality or 3D modeling software for visualizing and manipulating 3D shapes.</li> </ul>	<ul style="list-style-type: none"> <li>• Performance tasks involving construction of 3D shapes from nets.</li> <li>• Problem-solving assessments requiring calculation of surface area and volume.</li> </ul>	<ul style="list-style-type: none"> <li>• 3D geometric shape models for hands-on exploration.</li> <li>• Virtual reality headsets or 3D modeling software for digital visualization.</li> </ul>
February	22	<b>Recapitulation of the chapters for Annual Examination</b>					

बाल भारती पब्लिक स्कूल, एनटीपीसी, सीपत  
पाठ्यक्रम योजना 2024-25

कक्षा – सप्तम् (संस्कृत)

अधिगम उद्देश्य—

1. संस्कृत भाषा के माध्यम से छात्रों को भारतीय संस्कृति की सम्यक् जानकारी प्राप्त करने के योग्य बनाना।
2. संस्कृत भाषा के शुद्ध उच्चारण तथा शुद्ध लेखन पर बल देना।
3. मानवीय मूल्य, पारस्परिक सद्भावना, सहयोग तथा अनुशासन आदि भावनाओं का विकास करना।

मासा:	कार्य— दिवसा:	विषयवस्तु	अधिगम प्रतिफल	अंतर्विषयी सम्बद्धता	शिक्षण—अधिगम योजना	मूल्यांकन प्रविधियाँ	स्रोत
अप्रैल	23	<b>दिव्यांजलि:—</b> वैभवस्य जन्मदिवसः, शुकः काकः च। दरिद्रस्य सहायता <b>कणिका व्याकरण –</b> <b>रचना –</b> अपठित गद्यांश, पत्रलेखनम्।	– लट् तथा लृटलकार की पुनरावृत्ति। – छात्रों के पठन—वाचन कौशल का विकास होगा। – नैतिक मूल्यों को जानना तथा उसे जीवन में अपनाना। – प्राणियों की स्वाभाविक प्रवृत्ति के विषय में ज्ञान तथा उनसे प्रेरणा। – लङ्लकार के प्रथम पुरुष तथा मध्यम पुरुष का भाषा में प्रयोग।। – समाज में वंचित तथा दीनजनों के प्रति कर्तव्य का ज्ञान।	– विज्ञान – संतुलित भोजन का सेवन स्वास्थ्य के लिए उत्तम है। कौए तथा तोते की शारीरिक संरचना तथा स्वभाव का अध्ययन। आध्यात्म – जन्मदिवस पर यज्ञ करने से छात्र में सुसंस्कार। पर्यावरण – यज्ञ से वातावरण में बैक्टीरिया का विनाश हो जाता है।	– दृश्य श्रव्य संसाधनम् – संस्कृत भाषा में उपलब्ध दृश्य—श्रव्य सामग्री के माध्यम से भाषाभ्यास। – वाचन तथा अनुकरण वाचन। – त्रुटि संशोधन।	– प्रत्यक्ष विधि – व्याख्यान विधि – आगमन एवं निगमन विधि – दृश्य—श्रव्य सामग्री द्वारा शिक्षण	– पावर प्वाइंट प्रस्तुति – जन्मदिवस समारोह का चित्र – वीडियो के माध्यम से प्रस्तुति
जून	11	<b>दिव्यांजलि:—</b> जन्तुशालायाः विहारः <b>कणिका व्याकरण –</b> शब्दरूप प्रकरण – देव, लता, मुनि, किम् (तीनों लिङ में) <b>रचना –</b> अपठित गद्यांश, संवाद लेखनम्।	– छात्रों में अच्छे चरित्र, आचरण एवं परोपकार की भावना विकसित होगी। – पाठ के माध्यम से छात्रों में पशुओं तथा पक्षियों के प्रति स्नेहोत्पत्ति। – जन्तुशाला का परिचय तथा इसमें रहने वाले जीवों के गुणों का ज्ञान। – छात्र शुद्ध वाक्य रचना की	– जीवविज्ञान – पशु—पक्षियों की शारीरिक संरचना, उनके आचार व्यवहार तथा खान—पान के विषय में चर्चा। – हिन्दी	– पशु—पक्षियों के बीच संवाद तथा अभिनय के साथ पाठ का प्रस्तुतिकरण। – लङ्लकार उत्तम पुरुष के धातुरूप का वाचन, अनुकरण वाचन।	– पठित पाठ पर आधारित लघुमूल्यांकन। – पोर्टफोलियो – समूह चर्चा – आगमन एवं निगमन विधि – समस्या समाधान विधि – दृश्य—श्रव्य सामग्री द्वारा शिक्षण।	पावर प्वाइंट प्रस्तुति। – जन्तुशाला तथा पशु—पक्षियों के चित्र। – लकार चार्ट

			योग्यता प्राप्त करेंगे। – लडलकार के उत्तम पुरुष के रूप का भाषा में प्रयोग।				
जुलाई	25	<b>दिव्यांजलि:</b> – शिष्टाचार: स्वस्थवृत्तम् <b>कणिका व्याकरण</b> – धातुरूप प्रकरण – गम्, भू, पा (लट्, लृट्, लोट् लकार में) समय लेखनम् (पूर्ण, सपाद) संख्या – 1 से 25 <b>रचना</b> – अपठित गद्यांश, चित्राधारित वर्णनम्।	– लोटलकार का भाषा में प्रयोग। – छात्रों में अच्छे चरित्र, आचरण एवं परोपकार की भावना विकसित होगी। – उत्तम स्वास्थ्य के लिए जीवन में अपनाई जाने वाली अच्छी आदतों का ज्ञान। – छात्रों की तर्क-शक्ति तथा रचनात्मक वृत्ति का विकास। – छात्रों के पठन-वाचन कौशल का विकास होगा। – चरित्र-निर्माण।	–विज्ञान – शरीर को स्वस्थ रखने के लिए खान-पान तथा दैनिक व्यवहार में अनुशासन की वृत्ति। नैतिक विज्ञान- आचरण की शिष्टता से व्यक्तित्व का विकास।	– शिष्टाचार संबंधी पंक्तियों का लेखन। – प्रदत्त धातु के लट्, लृट्, लङ् तथा लोट् लकार में रूप लेखन।	– मौखिक तथा लिखित प्रश्नावली – कक्षा कार्य का मूल्यांकन। – उदाहरण विधि – व्याख्यान विधि	–पावर प्वाइंट प्रस्तुति।? – एक्स्ट्रा मार्क्स डिजिटल विषयवस्तु। – लकार चार्ट
अगस्त	23	<b>दिव्यांजलि:</b> – रमणीयम् उद्यानम् <b>कणिका व्याकरण</b> – अव्यय – अत्र, तत्र, कुत्र, सर्वत्र, अद्य, अधुना, ह्यः, श्वः, पुरा, यदा, तदा, कदा, सर्वदा, एकदा, किमर्थम्, च, अपि। <b>रचना</b> – अपठित गद्यांश, चित्र वर्णनम्, पत्र लेखनम्।	– तीन लिडों में एक से चार तक संख्या के रूप प्रयोग तथा पांच से बीस तक संख्या प्रयोग का ज्ञान। – भाषिक कौशल का विकास। – प्रकृति के प्रति प्रेम की भावना।	– वनस्पति विज्ञान – उद्यान में लगाए जाने वाले वनस्पतियों का परिचय – गणित – संख्या गणना।	– संख्या गणना – चर्चा विधि – प्रदर्शन विधि	– बुद्धि परीक्षण – पाठाधारितम् लघुमूल्यांकनम्। – कणिका अभ्यास पुस्तिका।	– पी पी टी – यू ट्यूब प्राप्त संसाधनम्।
मूल्यांकन		पूर्वमध्य-सत्र (पी. टी. 1)	<b>दिव्यांजलि:</b> – पाठ 1 वैभवस्य जन्मदिवसः पाठ 2 शुकः काकः च पाठ 3 दरिद्रस्य सहायता तक। <b>कणिका व्याकरण</b> शब्दरूप प्रकरण – देव, लता, मुनि, किम् (तीनों लिड में) धातुरूप प्रकरण – गम्, भू, पा (लट्, लृट्, लोट् लकार में) <b>रचना</b> – अपठित गद्यांश, पत्र लेखनम्, चित्र वर्णनम्।				
मूल्यांकन		अर्द्धवार्षिकी परीक्षा	<b>दिव्यांजलि:</b> – पाठ 1 वैभवस्य जन्मदिवसः				

			<p>पाठ 2 शुकः काकः च पाठ 3 दरिद्रस्य सहायता तक । पाठ 4 जन्तुशालायाः विहारः पाठ 6 शिष्टाचारः पाठ 7 स्वस्थवृत्तम् पाठ 8 रमणीयम् उद्यानम्</p> <p><b>कणिका व्याकरण</b> शब्दरूप प्रकरण – देव, लता, मुनि, किम् (तीनों लिङ में) धातुरूप प्रकरण – गम्, भू, पा (लट्, लृट्, लोट् लकार में) समय लेखनम् – (पूर्ण, सपाद) संख्या – 1 से 25 अव्यय – अत्र, तत्र, कुत्र, सर्वत्र, अद्य, अधुना, ह्यः, श्वः, पुरा, यदा, तदा, कदा, सर्वदा, एकदा, किमर्थम्, च, अपि । <b>रचना</b> – अपठित गद्यांशः, पत्र पूर्ति, चित्र वर्णनम् ।</p>				
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**BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT****Syllabus Plan for the Session 2024-25****CLASS - VII****SUBJECT- Computer Science****RECOMMENDED BOOKS :****IT Planet (Streaming without Buffering) – PM Publishers Pvt. Ltd.**

MONTH	NUMBER OF WORKING DAYS	COURSE CONTENT	LEARNING OUTCOMES	INTERDISCIPLINARY	TEACHING LEARNING STRATEGIES	ASSESSMENT TOOLS	RESOURCES USED
April	21	1. Computer Virus	<ul style="list-style-type: none"><li>• Know about Computer Virus</li><li>• Know about the types of computer virus</li><li>• Understand Precautions against computer virus</li></ul>	Technology Integration	<ul style="list-style-type: none"><li>• Demonstration cum Lecture Method</li><li>• Activity Based teaching</li><li>• Interactive Method</li><li>• Group Discussion</li></ul>	Lab Activity Quiz Class Test Assignments	Online Link
June	11	2. Number Systems	<ul style="list-style-type: none"><li>• Understand about Number Systems.</li><li>• Know about Conversion to and from other Number systems.</li><li>• Understand Bit and Bytes.</li></ul>	Technology Integration	<ul style="list-style-type: none"><li>• Demonstration cum Lecture Method</li><li>• Activity Based teaching</li><li>• Interactive Method</li></ul>	Lab Activity Quiz Class Test Assignments	Online Link
July	25	3. GIMP- Introduction	<ul style="list-style-type: none"><li>• Understand about Photo Editing program - GIMP.</li><li>• Know about working with GIMP</li><li>• Understand GIMP Tools, Color Modes and Filters</li></ul>	Technology Integration	<ul style="list-style-type: none"><li>• Demonstration cum Lecture Method</li><li>• Activity Based teaching</li><li>• Interactive Method</li></ul>	Lab Activity Quiz Class Test Assignments Project	Online Link

		4. GIMP- Layers and Filters	<ul style="list-style-type: none"> <li>• Understand about layers</li> <li>• Project Work – Create a collage</li> <li>• Know about Working with Layers in GIMP</li> </ul>				
August	23	5. E-commerce and Blogging	<ul style="list-style-type: none"> <li>• Understand about E-commerce &amp; E-commerce models</li> <li>• Understand about blogging</li> </ul>	Technology Integration	<ul style="list-style-type: none"> <li>• Demonstration cum Lecture Method</li> <li>• Activity Based teaching</li> <li>• Interactive Method</li> </ul>	Lab Activity Quiz Class Test Assignments Project	Online Link
September	21	<b>Revision, Lab Activities and Mid Term Examination</b>					
October	17	6. Internet- Ethics & Safeguard	<ul style="list-style-type: none"> <li>• Understand about the Internet Terms</li> <li>• Know about Protecting yourself from Potential Threats on the Web</li> <li>• Know about the Role of parents and Teacher</li> </ul>	Technology Integration	<ul style="list-style-type: none"> <li>• Demonstration cum Lecture Method</li> <li>• Activity Based teaching</li> <li>• Interactive Method</li> </ul>	Lab Activity Quiz Class Test Assignments Project	Online Link
November	21	7. HTML - Introduction	<ul style="list-style-type: none"> <li>• Understand about HTML5.</li> <li>• Know about text editors used for creating HTML documents.</li> <li>• Know about Web Browser for HTML5</li> </ul>	Technology Integration	<ul style="list-style-type: none"> <li>• Demonstration cum Lecture Method</li> <li>• Activity Based teaching</li> <li>• Interactive Method</li> </ul>	Lab Activity Quiz Class Test Assignments Project	Online Link
		8. HTML-Creating Web Page	<ul style="list-style-type: none"> <li>• Understand about creating and saving a web page</li> <li>• Know about Basic HTML tags</li> </ul>				

December	18	9. HTML – Images, Links & Tables	<ul style="list-style-type: none"> <li>• Know about Images in Web Pages</li> <li>• Understand about creating list, links in web page</li> <li>• Know about creating Tables in HTML page.</li> </ul>	Technology Integration	<ul style="list-style-type: none"> <li>• Demonstration cum Lecture Method</li> <li>• Activity Based teaching</li> <li>• Interactive Method</li> </ul>	Lab Activity Quiz Class Test Assignments	Online Link
January	24	10. HTML- Form , Multimedia & CSS	<ul style="list-style-type: none"> <li>• Know about creating forms in Web page</li> <li>• Know about Adding Multimedia to web pages</li> <li>• Understand about Cascading Style Sheets(CSS)</li> </ul>	Technology Integration	<ul style="list-style-type: none"> <li>• Demonstration cum Lecture Method</li> <li>• Activity Based teaching</li> <li>• Interactive Method</li> </ul>	Lab Activity Quiz Class Test Assignments	Online Link
February	22	<b>Revision, Lab Activities and Annual Examination</b>					

# BAL BHARATI PUBLIC SCHOOL NTPC-SIPAT

Annual Syllabus 2024-2025

General Knowledge

Class-VII

## LEARNING OBJECTIVES

To prompt and embark upon a new and intriguing journey of knowledge and curiosity. **Do You Know - 7** aims at bringing about a paradigm shift in this mindset and rekindles these growing minds to not only know the answers to questions, but also learn to ask questions on everything that triggers their mind and soul.

**RECOMMENDED BOOKS :- Do You Know - 7**

**PUBLISHER :- Cambridge University Press**

MONTH	WORKING DAYS	COURSE CONTENT	LEARNING OUTCOMES	INTERDISCIPLINARY	TEACHING LEARNING STRATEGIES	ASSESSMENT TOOLS	RESOURCES USED
APRIL	23	1. My Country (Page no – 1 to 11) 2. Around the World (Page no – 12 to 15)	<p><b>*Demonstrate a foundational understanding</b> of key concepts across different subject areas.</p> <p><b>* Apply critical thinking skills</b> to analyze and evaluate information from diverse sources.</p> <p><b>*Communicate effectively</b> about a wide range of topics.</p> <p><b>*Develop a curiosity</b> and appreciation for lifelong learning.</p>	<p><b>* Integrating knowledge</b> from multiple disciplines allows students to see connections between different subjects and understand how they relate to real-world issues.</p>	<p><b>*Multimodal Instruction:</b> Using a variety of teaching methods such as lectures, discussions, multimedia presentations, and hands-on activities to engage students with different learning styles.</p> <p><b>* Inquiry-Based Learning:</b> Encouraging students to ask questions, investigate topics, and find answers through research and critical thinking.</p> <p><b>*Active Learning:</b> Providing opportunities</p>	<p><b>* Quizzes and Tests:</b> Assessing students' knowledge of facts, concepts, and connections between different subjects.</p> <p><b>* Essays and Reports:</b> Evaluating students' ability to research, analyze, and communicate information effectively.</p> <p><b>* Projects and Presentations:</b> Allowing students to demonstrate their understanding through creative projects or oral presentations.</p> <p><b>*Rubrics:</b> Providing clear</p>	<p><b>* Textbooks</b> and reference materials covering a wide range of topics.</p> <p><b>* Online databases,</b> encyclopedias, and educational websites for research.</p> <p><b>*Multimedia resources</b> such as documentaries, podcasts, and educational videos.</p>
JUNE	11	2. Around the World (Page no – 16 & 20) <b>* Activity 1: Skill-based Games (Page no – 20)</b> 3. Environment & The World of Science (Page no – 22 to 24)					
JULY	25	3. Environment & The World of Science (Page no – 25 to 28) 4. The World of Plants & Animals (Page no – 29 to 35) 5. Art & Literature (Page no - 36 to 40)					
AUGUST	22	8. Art & Literature (Page no – 41 to 46) <b>Activity 2: Literary Enthusiasts (Page no – 46)</b>					
SEPTEMBER	21	<b>Mid Term-1</b>					
OCTOBER	20	10. Grammar & language (Page no – 48 to 56) <b>* Activity 3: Correct Contractions (Page no – 54)</b>					
NOVEMBER	21	11. Sports & games (Page no – 57 to 64)					
DECEMBER	18	12. Moral values & Life Skill (Page no – 65 to 72) <b>* Activity 4:Environmental Warriors (Page no – 70)</b>					
JANUARY	24	13. Mind Games (Page no - 73 to 79) <b>* Activity 5:Fun Matchsticks (Page no – 80)</b> * Trivia Corner (Page no – 82)					



<b>FEBRUARY</b>	<b>23</b>	<b>Revision for Mid Term-2</b>				
<b>MARCH</b>	<b>21</b>	<b>MID TERM-2</b>				
					for students to actively participate in their learning through group discussions, debates, role-plays, and projects.	criteria for assessing student work and giving feedback. <b>*Peer Review:</b> Having students evaluate each other's work to promote collaboration and critical thinking. <b>*Portfolios:</b> Collecting samples of students' work over time to track their progress and growth.

**Portion for Assessments**

<b>Activity-1 (10 Marks)</b>	<b>1<sup>st</sup> Aug. – 15<sup>th</sup> Aug.</b>	<b>Page No. - 1 to 20</b>
<b>Class Performance - 1 Written 40 Marks</b>	<b>August - September</b>	<b>Page No. - 1 to 40</b>
<b>Activity-2 (10 Marks)</b>	<b>15<sup>th</sup> Jan - 30<sup>th</sup> Jan</b>	<b>Page No. - 30 to 50</b>
<b>Class Performance - 2 Written 40 Marks</b>	<b>February - March</b>	<b>Page No.- 41 to 79</b>