

BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT

Syllabus Plan for the Session 2024-25

CLASS - VI

SUBJECT- MATHEMATICS

RECOMMENDED BOOKS –

Text book for CI VI NCERT

Solution

2. Mathematics exemplar

solution

MONTH	NUMBER OF WORKING DAYS	COURSE CONTENT	LEARNING OUTCOMES	INTERDISCIPLINARY	TEACHING LEARNING STRATEGIES	ASSESSMENT TOOLS	RESOURCES USED
April	23	1.Knowing our numbers 2. Whole numbers 3. playing with numbers	Ch1. Two methods of expressing numbers in words and digits * Indian and International number system Ch 2. What is whole number *Addition, Subtraction and Multiplication of two numbers by using number line Ch3.Demonstrate and understand of factors and	Ch 1. to integrating mathematical concepts with other subjects or real-world contexts to enhance learning and understanding. Ch 2. Understanding whole numbers and their properties. Place value and face value of digits. Comparison of numbers.	Ch 1. By implementing these teaching and learning strategies, educators can create a supportive and engaging learning environment where students can develop a strong foundation in numerical concepts and skills.	Ch. 1. Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment Ch 2. Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment Ch 3. Written test, worksheets, quizzes, problem solving task, peer assessment,	*Test books, *Worksheets and workbook *Visual aids, *Technology tools *Games and activities, *Supplementary reading materials, *Quizzes, *Formative assessments

			<p> multiples *Identify prime and composite numbers * Find HCF and LCM of numbers * use them in day to day life </p>	<p> Addition and subtraction of whole numbers. Ch 3. Help students see the relevance of mathematical concepts in various fields of study such as Science, social study, language , art, technology and everyday life, fostering a deeper understanding and appreciation for mathematics. </p>	<p> Ch 2. By implementing these teaching and learning strategies, educators can create a supportive and engaging learning environment where students can develop a deep understanding of whole number concepts and skills. Ch. 3 By implementing these teaching and learning strategies, educators can create a dynamic and engaging learning environment where students can develop a deep understanding of number theory concepts and enhance their problem-solving and critical thinking skills. </p>	<p> project, self assessment, performance task, formative assessment </p>	
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June	11	Ch 4 Basic Geometrical ideas	*Understand Lines, Ray, Line segment, Angles, Parallel lines. *Polygons	Help students see the practical applications and real-world relevance of geometric concepts in Art, Science, History, Technology, Environmental study fostering a deeper understanding and appreciation for geometry beyond the mathematics classroom.	By implementing these teaching and learning strategies, educators can create a dynamic and engaging learning environment where students can develop a deep understanding of basic geometric ideas and enhance their problem-solving and critical thinking skills.	Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment	*Test books, *Worksheets and workbook *Visual aids, *Technology tools *Games and activities, *Supplementary reading materials, *Quizzes, *Formative assessments
July	25	Ch 5. Understanding Elementary shapes Ch 6. Integers	Ch 5. Development of tools to measure the line segment and angles *Different type of angles *Classification of triangles *Different type of polygons Ch 6. Define the set of integers, positive and negative integers and their sign *Addition and	Ch 5. Help students see the practical applications of geometric concepts in various fields of study and everyday life, fostering a deeper understanding and appreciation for geometry beyond the mathematics classroom Ch 6. help students see the relevance and applicability of integer concepts in various contexts beyond the mathematics	Ch 5. By implementing these teaching and learning strategies, educators can create a dynamic and engaging learning experience where students can develop a deep understanding of elementary shapes and their properties. Ch 6. By implementing	Ch 5. Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment Ch 6. Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment	*Test books, *Worksheets and workbook *Visual aids, *Technology tools *Games and activities, *Supplementary reading materials, *Quizzes, *Formative assessments

			subtraction of integers	classroom, fostering a deeper understanding and appreciation for mathematics in everyday life.	these teaching and learning strategies, educators can create a supportive and engaging learning environment where students can develop a deep understanding of integer concepts and skills.		
August	22	Revision for HALF YEARLY					
September	21	Ch 7. Fractions Ch 8. Decimals	Ch 7. Define fractions, numerator, denominator, Unit fraction *How to make equal parts of a whole *Equivalent fractions * Addition and subtraction of fractions Ch 8. *Define decimal, place value, expanded form, equivalent decimals *Identify the	Ch 7. Help students see the practical applications of fraction concepts in various fields of study and everyday life, fostering a deeper understanding and appreciation for fractions beyond the mathematics classroom. Ch 8. help students see the practical applications of decimal concepts in various fields of study and everyday life, fostering a deeper understanding and	Ch 7. By implementing these teaching and learning strategies, educators can create a supportive and engaging learning environment where students can develop a deep understanding of fraction concepts and skills. Ch 8. By implementing these teaching and learning	Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment, performance task, formative assessment Ch 8. Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment, performance task, formative assessment	*Test books, *Worksheets and workbook *Visual aids, *Technology tools *Games and activities, *Supplementary reading materials, *Quizzes, *Formative assessments

			purpose of using decimals *Addition and subtraction of decimals	appreciation for decimals beyond the mathematics classroom.	strategies, educators can create a supportive and engaging learning environment where students can develop a deep understanding of decimal concepts and skills.		
October	20	Ch 9. Data Handling Ch 10. Mensuration	Ch 9. Students will be able to collect, record and interpret data, *Represent the data by pictograph Ch 10. Develop and Apply a formula for determining – *Perimeter of polygon *Area and perimeter of rectangle *Area and perimeter of Square	Ch 9, help students see the practical applications of data handling concepts in various fields of study and everyday life, fostering a deeper understanding and appreciation for data analysis beyond the mathematics Ch 10. Help students see the practical applications of mensuration concepts in various fields of study and everyday life, fostering a deeper understanding and appreciation for mensuration beyond the mathematics	Ch 9. By implementing these teaching and learning strategies, educators can create a supportive and engaging learning environment where students can develop a deep understanding of data handling concepts and skills. Ch 10. By implementing these teaching and learning strategies, educators can create a supportive and engaging	Ch 8. Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment Ch 10. Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment, performance task, formative assessment	*Test books, *Worksheets and workbook *Visual aids, *Technology tools *Games and activities, *Supplementary reading materials, *Quizzes, *Formative assessments

				classroom.	learning environment where students can develop a deep understanding of mensuration concepts and skills in real life		
November	21	Ch 11.Algebra	*Students will understand the meaning of algebra *Use of algebra in day to day life *Use of variables in common rules	Help students see the practical applications of algebraic concepts in various fields of study and everyday life, fostering a deeper understanding and appreciation for algebra beyond the mathematics classroom	By implementing these teaching and learning strategies, educators can create a supportive and engaging learning environment where students can develop a strong foundation in algebraic thinking and problem-solving skills.	Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment	*Test books, *Worksheets and workbook *Visual aids, *Technology tools *Games and activities, *Supplementary reading materials, *Quizzes, *Formative assessments
December	18	Revision					
January	24	Ch 12. Ratio and proportion	*Students will be able to understand the meaning of ratio *Find the ratio of two numbers *Meaning of proportion	Help students see the practical applications of ratio and proportion concepts in various fields of study and everyday life, fostering a deeper understanding and appreciation for these concepts	By implementing these teaching and learning strategies, educators can create a supportive and engaging learning environment	Written test, worksheets, quizzes, problem solving task, peer assessment, project, self assessment, performance task, formative assessment	*Test books, *Worksheets and workbook *Visual aids, *Technology tools *Games and activities, *Supplementary reading materials, *Quizzes, *Formative assessments

				beyond the mathematics classroom.	where students can develop a deep understanding of ratio and proportion concepts and their applications.		
February	22	Revision					

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

SUBJECT-Social Science

RECOMMENDED BOOKS –

1. Our Pasts-II
2. Social and Political Life- I
3. The Earth-our Habitat

	NUMBER OF WORKING DAYS	COURSE CONTENT	LEARNING OUTCOMES	INTERDISCIPLINARY	TEACHING LEARNING STRATEGIES	ASSESSMENT TOOLS	RESOURCES USED
April	20	<p>HISTORY: INTRODUCTION: WHAT, WHERE, HOW AND WHEN?</p> <p>Geo- The Earth in the Solar System</p>	<p>Identify different types of sources and describe their uses in the reconstruction of the history</p> <p>The students will be able to distinguish between stars, planets and satellites e.g., Sun, Earth and Moon. They recognize that the earth is a unique</p>	<p>History is interconnected with subjects like geography, literature, art, and science. Explore these connections for a holistic understanding of the past.</p>	<p>Variety of methods such as lectures, discussions, group activities, multimedia presentations. Use storytelling and hands-on experiences like museum visits. Encourage active participation, critical thinking, and visual aids. Foster independent inquiry through research projects and analysis of primary sources.</p> <p>Engage students through interactive discussions, multimedia presentations, storytelling, and experiential learning activities. Provide opportunities for personal reflection and sharing experiences.</p>	<p>Rubrics for assessment, online quizzes, project guidelines, peer assessment tools</p>	<p>Textbooks, documentaries, online articles</p>

			<p>celestial body due to existence of life, zones of the earth with special reference to biosphere</p>				
		SPL- Understanding Diversity	<p>Describes various forms of human diversity around him/her. -Develops a healthy attitude towards various kinds of diversity around them.</p>	<p>Explore diversity through various disciplines such as history, geography, literature, and social studies. Understand how diversity is reflected in different aspects of human society and culture.</p>		<p>Cultural festivals, virtual field trips, simulations of real-life diversity challenges, empathy-building exercises</p>	<p>Utilize NCERT textbook "Understanding Diversity", supplementary readings, online articles, guest speakers, cross-curricular projects, and multimedia presentations.</p>
June	11	HIS-FROM HUNTING-GATHERING TO	<p>Identify and locate the Archaeological sites. -Will</p>	<p>Students will gain an understanding</p>	<p>Explore the transition to agriculture through various disciplines such as</p>	<p>Engage students through multimedia</p>	<p>Utilize NCERT textbook "History: Our</p>

		GROWING FOOD	<p>learn the technique of making stone tools.</p> <p>-Students to recognize the effects of the introduction of farming and herding</p>	<p>of the transition from a hunter-gatherer lifestyle to agriculture-based societies. They will comprehend the significance of this transition in human history and its impact on social organization, economy, and culture.</p>	<p>anthropology, geography, biology, and archaeology. Understand how this transition influenced the development of civilizations and human societies.</p>	<p>presentations, storytelling, archaeological simulations, and hands-on activities like planting seeds or observing plant growth. Encourage critical thinking and discussion about the advantages and challenges of agriculture-based societies</p>	<p>Past - I", supplementary readings, videos, archaeological findings, maps, and diagrams illustrating the spread of agriculture and its impact on ancient civilizations.</p>
		GEO-GLOBE: LATITUDES AND LONGITUDES	<p>The students will be able to distinguish between stars, planets and satellites e.g., Sun, Earth and Moon. They recognize that the earth is a unique celestial body</p>		<p>Engage students through visual aids like globes, diagrams, and animations to demonstrate Earth's motions. Conduct experiments, such as shadow observations, to illustrate concepts like the tilt of the Earth's axis and its effects on sunlight</p>	<p>Assess understanding through quizzes, worksheets, diagrams, and model-building activities. Evaluate students' ability to explain the causes and effects of</p>	<p>Utilize NCERT textbook "Science: Chapter - Motion and Measurement of Distances", supplementary readings, videos, interactive online</p>

			<p>due to existence of life, zones of the earth with special reference to biosphere</p>			<p>Earth's motions, predict seasonal changes, and analyze their implications for different regions of the world.</p>	<p>resources, and observation of celestial phenomena such as solstices and equinoxes.</p>
		GEO-Motion of the Earth	<p>Students will understand the various motions of the Earth, including rotation on its axis, revolution around the Sun, and the tilt of its axis. They will comprehend how these motions lead to phenomena such as day and night, seasons, and the length of days and nights.</p>	<p>Explore the motion of the Earth through various disciplines such as geography, astronomy, physics, and environmental science. Understand how Earth's movements influence climate patterns, ecosystems, and human activities.</p>			
July	25	HIS-IN THE EARLIEST CITIES	<p>Students will gain an understanding of the characteristics and features of the earliest</p>	<p>Explore the earliest cities through various disciplines such as archaeology, history, geography,</p>	<p>Engage students through multimedia presentations, virtual tours of ancient cities, archaeological simulations, and role-playing activities</p>	<p>Assess understanding through quizzes, essays, presentations, and projects that require</p>	<p>Utilize NCERT textbook "History: Our Past - I", supplementary readings, videos,</p>

			<p>cities, including their layout, infrastructure, economy, and social organization. They will comprehend the factors that led to the emergence of urban settlements and their significance in human history.</p>	<p>anthropology, and sociology. Understand how urbanization transformed societies and influenced cultural, economic, and political developments.</p>	<p>depicting life in ancient urban centers. Encourage critical thinking and discussion about the factors contributing to urbanization and its impact on human societies.</p> <p>Manage students through analysis of archaeological artifacts, readings from ancient texts, and discussions about the symbolism and rituals associated with burial practices. Use multimedia presentations and hands-on activities like artifact handling to enhance understanding.</p>	<p>students to analyze the characteristics of early cities, identify key factors contributing to urban growth, and evaluate the significance of urbanization in ancient civilizations.</p>	<p>archaeological findings, maps, and diagrams illustrating the layout and features of early urban settlements such as Mohenjo-Daro and Harappa.</p>
		<p>HIS-WHAT BOOKS AND BURIALS TELL US</p>	<p>Students will understand the significance of books and burials in providing insights into ancient civilizations. They will comprehend how written</p>	<p>Explore the study of books and burials through various disciplines such as archaeology, history, anthropology, literature, and religious studies. Understand how these</p>		<p>Assess understanding through quizzes, essays, presentations, and projects that require students to analyze archaeological findings, interpret ancient texts, and explain the</p>	<p>Utilize NCERT textbook "History: Our Past - I", supplementary readings, videos, archaeological findings, excerpts from ancient texts, and illustrations of burial sites and artifacts to</p>

			records and burial practices reveal information about the culture, beliefs, social structure, and technological advancements of early societies.	artifacts reflect the values, traditions, and daily life of ancient civilizations.	Engage students through discussions, case studies, role-playing scenarios, and multimedia presentations highlighting real-life examples of diversity and discrimination. Encourage critical thinking and empathy-building activities to foster understanding and empathy.	cultural significance of burial customs. Evaluate critical thinking skills and ability to draw connections between material culture and historical context.	illustrate the importance of books and burials in understanding ancient civilizations.
		SPL-DIVERSITY AND DISCRIMINATION	Students will develop an understanding of diversity and discrimination, including	Explore diversity and discrimination through various disciplines such as social studies,	Engage students through discussions, simulations, and case studies to explore the roles and responsibilities of government officials. Use multimedia presentations	Assess understanding through quizzes, essays, presentations, and projects that require	Utilize NCERT textbook "Social and Political Life - I", supplementary readings, videos, case

			<p>different forms of discrimination based on factors such as race, gender, religion, and social status. They will comprehend the importance of promoting equality, respect, and acceptance in society.</p>	<p>psychology, sociology, ethics, and literature. Understand how these issues impact individuals, communities, and societies, and explore strategies for promoting inclusion and combating discrimination.</p>	<p>and real-world examples to illustrate different forms of government and their functions.</p>	<p>students to analyze examples of discrimination, discuss the impact on individuals and communities, and propose solutions to address discrimination and promote inclusivity. Evaluate critical thinking skills and ability to empathize with diverse perspectives.</p>	<p>studies, guest speakers, and literature showcasing diverse experiences to illustrate the concepts of diversity and discrimination and their implications in society.</p>
		<p>SPL-WHAT IS GOVERNMENT</p>	<p>Students will develop an understanding of the concept of government, including its functions, structure, and importance in society. They will comprehend</p>	<p>Explore the concept of government through various disciplines such as political science, civics, history, economics, and sociology. Understand how government</p>		<p>Assess understanding through quizzes, essays, presentations, and projects that require students to analyze the functions of government, compare different</p>	<p>Utilize NCERT textbook "Social and Political Life - I", supplementary readings, videos, case studies, and examples of government structures and functions from different</p>

			the role of government in maintaining law and order, providing public services, and promoting the welfare of citizens.	systems differ across countries and how they shape social and political life.		government systems, and discuss the role of citizens in a democracy. Evaluate critical thinking skills and ability to apply knowledge to real-world scenarios.	countries to illustrate the concept of government and its significance in society.
August	22	HIS-KINGDOMS, KINGS AND AN EARLY REPUBLIC	Understand political developments in ancient India: emergence of kingdoms, role of kings, transition to republics.	Explore political history through history, archaeology, anthropology, geography, and political science.	Engage with multimedia, storytelling, visuals, historical maps to depict rise of kingdoms and early republics.	Use quizzes, essays, presentations to analyze political structures, roles of kings, impact on society.	Utilize NCERT textbook, supplementary readings, videos, archaeological findings, maps.
		SPL-PANCHAYATI RAJ	Understand Panchayati Raj system: its structure, functions, and significance in local governance.	Explore local governance through civics, political science, sociology, geography, and economics.	Engage with discussions, case studies, and role-plays to understand roles and responsibilities in Panchayati Raj.	Utilize quizzes, group projects, and presentations to assess understanding of Panchayati Raj functions and impacts	Refer to NCERT textbook, supplementary readings, case studies, and videos on Panchayati Raj implementation .

June	11	<p>Ch-3 Separation of Substances</p> <p>3.1 Methods of separation</p>	Students will know about the reasons for separation of substances and methods.	Bring salad . Separate each constituent then make shapes and serve / eat	Interactive Demonstrative [separate different grains from mixture of food grain] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . Food , laboratory items , chemicals
July	25	<p>Ch-4 Getting to know plants</p> <p>4.1 Herbs shrubs and trees 4.2 Stem 4.3 Leaf 4.4 Root 4.5 Flower</p> <p>Tentative Duration for Periodic Test-I 5th July to 20th July 2024</p>	Students will know about types of plants and different parts of plant and their functions.	Visit to a park /garden / forest and observe plants and find whether they are is herbs , shrubs , tree ,	Interactive Demonstrative [Leaf , stem and Flower description ,] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . plants and their parts , laboratory items , chemicals
August	23	<p>Ch-7 Motion and measurement of distances</p> <p>7.1 Story of transport 7.2 How wide is this desk? 7.3 Some measurements 7.4 Standard units of measurements 7.5 Correct measurement of length 7.6 Measuring length of a curved line</p>	Students will learn to measure length of different shapes , conversion of units and types of motion.	Try to play different musical instruments and observe their sound . Find the objects that show more than on type of motion	Interactive Demonstrative [Find total length of iron rod used in a main gate] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . book , ox of different shapes , laboratory items ,

		7.7 Moving things around us 7.8 Types of motion					
September	21	Tentative Duration for Mid Term Examination 23rd August to 4th September 2024					
October	17	Ch-8 Light, Shadows and Reflections 8.1 Transparent, opaque and translucent objects 8.2 What exactly are shadows? 8.3 A pinhole camera 8.4 Mirrors and reflections	Students will know about properties of light . Functioning of pinhole camera , and formation of shadow	Try to form different shapes using your hand . [Shadow art}	Interactive Demonstrative [Test for transparency and conditions that form shadow] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . mirror , source of light , laboratory items , .
November	23	Ch-9 Electricity and Circuits 9.1. Electric cell 9.2 A bulb connected to an electric cell 9.3 An electric circuit 9.4 Electric switch 9.5 Electric conductors and insulators Ch-10 Fun with Magnets	Students will know about electronic devices , their uses , circuits and insulators and conductors of electricity Students will know about History ,	Decorate any picture or painting with led that can switched on and off.	Interactive Demonstrative [Show electronic devices , operate circuit] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . electric cell , bulb , wire switch , laboratory items , .

		10.1 Magnetic and non-magnetic materials 10.2 Poles of magnet 10.3 Finding directions 10.4 Make your own magnet	properties and uses of magnets				
December	18	Ch-10 Fun with Magnets 10.5 Attraction and repulsion between magnets <u>Tentative Duration for Periodic Test-II</u> <u>2nd December to 22nd December 2024</u>		Make any toy / compass using magnet	Interactive Demonstrative [Observe , attraction , repulsion , and line of magnetic force] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . magnet with keepers , magnetic needle..
January	24						
February	22	<u>Tentative Duration for Annual Examination</u> <u>20th February to 20th March 2025</u>					

June	11	Ch-3 Separation of Substances 3.1 Methods of separation	Students will know about the reasons for separation of substances and methods.	Bring salad . Separate each constituent then make shapes and serve / eat	Interactive Demonstrative [separate different grains from mixture of food grain] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . Food , laboratory items , chemicals
July	25	Ch-4 Getting to know plants 4.1 Herbs shrubs and trees 4.2 Stem 4.3 Leaf 4.4 Root 4.5 Flower Tentative Duration for Periodic Test-I 5th July to 20th July 2024	Students will know about types of plants and different parts of plant and their functions.	Visit to a park /garden / forest and observe plants and find whether they are is herbs , shrubs , tree ,	Interactive Demonstrative [Leaf , stem and Flower description , I Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . plants and their parts , laboratory items , chemicals
August	23	Ch-7 Motion and measurement of distances 7.1 Story of transport 7.2 How wide is this desk? 7.3 Some measurements 7.4 Standard units of measurements 7.5 Correct measurement of length 7.6 Measuring length of a curved line	Students will learn to measure length of different shapes , conversion of units and types of motion.	Try to play different musical instruments and observe their sound . Find the objects that show more than on type of motion	Interactive Demonstrative [Find total length of iron rod used in a main gate] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . book , ox of different shapes , laboratory items ,

		7.7 Moving things around us 7.8 Types of motion					
September	21	Tentative Duration for Mid Term Examination 23rd August to 4th September 2024					
October	17	Ch-8 Light, Shadows and Reflections 8.1 Transparent, opaque and translucent objects 8.2 What exactly are shadows? 8.3 A pinhole camera 8.4 Mirrors and reflections	Students will know about properties of light . Functioning of pinhole camera , and formation of shadow	Try to form different shapes using your hand . [Shadow art}	Interactive Demonstrative [Test for transparency and conditions that form shadow] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . mirror , source of light , laboratory items ,.
November	23	Ch-9 Electricity and Circuits 9.1. Electric cell 9.2 A bulb connected to an electric cell 9.3 An electric circuit 9.4 Electric switch 9.5 Electric conductors and insulators Ch-10 Fun with Magnets	Students will know about electronic devices , their uses , circuits and insulators and conductors of electricity Students will know about	Decorate any picture or painting with led that can switched on and off.	Interactive Demonstrative [Show electronic devices , operate circuit] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . electric cell , bulb , wire switch , laboratory items ,.

		10.1 Magnetic and non-magnetic materials 10.2 Poles of magnet 10.3 Finding directions 10.4 Make your own magnet	History , properties and uses of magnets				
December	18	Ch-10 Fun with Magnets 10.5 Attraction and repulsion between magnets Tentative Duration for Periodic Test-II 2nd December to 22nd December 2024		Make any toy / compass using magnet	Interactive Demonstrative [Observe , attraction , repulsion , and line of magnetic force] Lecture	Concepts and sincerity through Class work, Tests Home Work , Active participation in class	Online Offline Suitable things i.e . magnet with keepers , magnetic needle..
January	24						
February	22	Tentative Duration for Annual Examination 20th February to 20th March 2025					

BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT
HALF YEARLY SYLLABUS (2024-25)

कक्षा—षष्ठम

विषय—संस्कृतम्
शिक्षण उद्देश्यः—

1. संस्कृत भाषा के माध्यम से छात्रों को भारतीय संस्कृति की सम्यक् जानकारी प्राप्त करने योग्य बनाना।
2. संस्कृत भाषा के नियमों के विषय में जानकारी प्रदान करना।
3. छात्रों में भाषा के प्रति रुचि उत्पन्न करने का प्रयास करना।
4. मनवीय मूल्य, परस्पर सद्भावना तथा अनुशासन का विकास करना।

पाठ्य पुस्तकें :-

दिव्यांजलि:—भाग 1, व्याकरण— कणिका कक्षा—6

माह	कार्य दिवस	विषय—वस्तु	अधिगम उद्देश्य	अंतर्विषय—संबंध	शिक्षण—युक्तियाँ	मूल्यांकन प्रविधियाँ	शिक्षण सहायक सामग्री
अप्रैल	20	प्रथमः पाठः— संस्कृत वर्णमाला तथा लिंग, पुरुष, वचन, कर्ता एवं क्रिया—परिचय	<ul style="list-style-type: none"> ● छात्रों को संस्कृत के नियमों से परिचित कराना। ● छात्रों को हिंदी एवं संस्कृत भाषा के वर्णमाला में अंतर समझाना ● भाषा का सरलीकरण करना। 	<ul style="list-style-type: none"> ● हिंदी भाषा के वर्णमाला एवं शब्द भंडार के साथ जोड़कर प्रकरण को सिखाया जाएगा। 	<ul style="list-style-type: none"> ● सामान्य से विशिष्ट की ओर ● प्रदर्शन विधि ● प्रश्नोत्तर विधि 	<ul style="list-style-type: none"> ● अभ्यास पत्रक ● प्रश्नावली (मौखिक / लिखित) ● छात्रों की अभ्यास पुस्तिकाएँ ● कक्षा सहभागिता 	<ul style="list-style-type: none"> ● पाठ्यपुस्तक ● प्रोजेक्टर ● एक्सट्रामार्क्स ● स्वरचित यूट्यूब वीडियो ● कर्ता एवं क्रिया पर आधारित चार्ट
जून	11	दिव्यांजलि:—द्वितीयः पाठः— शब्द परिचयः, तृतीयः पाठः— धातु परिचयः व्याकरण—धातु रूप (लट् लकार) रचना— वाक्य रचना	<ul style="list-style-type: none"> ● संस्कृत शब्दों में लिंग, वचन एवं पुरुष संबंधी अंतर को पहचानना सिखाना तथा शब्दों 	<ul style="list-style-type: none"> ● हिंदी भाषा के शब्द भंडार एवं शब्द रचना के नियमों के 	<ul style="list-style-type: none"> ● उदाहरण विधि ● प्रश्नोत्तर विधि ● श्यामपट विधि ● सूत्र विधि 	<ul style="list-style-type: none"> ● अभ्यास पत्रक ● प्रश्नावली (मौखिक / लिखित) ● छात्रों की 	<ul style="list-style-type: none"> ● पाठ्यपुस्तक ● प्रोजेक्टर ● एक्सट्रामार्क्स ● स्वरचित यूट्यूब

			एवं वाक्य रचना के नियम से अवगत कराना।	साथ प्रकरणों को जोड़ा जाएगा।		अभ्यास पुस्तिकाएँ ● कक्षा सहभागिता	वीडियो ● कर्ता एवं क्रिया पर आधारित चार्ट
जुला रह	25	दिव्यांजलि:- पंचमः पाठ:- प्रथमः पुरुषः, षष्ठः पाठ:-मध्यम पुरुषः व्याकरण -द्वितीयः पाठ:- शब्दरूप प्रकरणः (अकारांत पुल्लिंग) रचना-चित्र वर्णन, अपठित गद्यांश	<ul style="list-style-type: none"> ● छात्रों की रुचि भाषा में बढ़ाना। ● संज्ञा के साथ-साथ सर्वनाम पदों का ज्ञान एवं प्रयोग सिखाना। ● वाक्य रचना के नियमों से अवगत कराना। 	<ul style="list-style-type: none"> ● हिंदी भाषा के शब्द भंडार एवं शब्द रचना के नियमों के साथ प्रकरणों को जोड़ा जाएगा। 	<ul style="list-style-type: none"> ● आगमन विधि ● प्रदर्शन विधि ● आगमन एवं निगमन विधि ● श्यामपट विधि ● सूत्र विधि 	<ul style="list-style-type: none"> ● अभ्यास पत्रक ● प्रश्नावली (मौखिक / लिखित) ● छात्रों की अभ्यास पुस्तिकाएँ ● कक्षा सहभागिता 	<ul style="list-style-type: none"> ● पाठ्यपुस्तक ● प्रोजेक्टर ● एक्सट्रामार्क्स ● स्वरचित यूट्यूब वीडियो ● कर्ता एवं क्रिया पर आधारित चार्ट
अगस्त	22	दिव्यांजलि:-, सप्तमः पाठ:-उत्तम पुरुषः, अष्टमः पाठ:- अव्ययपदानि व्याकरण -संख्या रचना- चित्र वर्णन अपठित गद्यांश पुनरावृत्ति एवं अर्धवार्षिक परीक्षा	<ul style="list-style-type: none"> ● पुरुष के अनुसार पदों की बनावट एवं उससे क्रिया जोड़ने के नियम से अवगत कराना। ● वर्तमान काल में क्रिया प्रयोग एवं धातुओं की बनावट एवं उसकी रचना के नियमों से अवगत कराना। 	<ul style="list-style-type: none"> ● हिंदी भाषा के शब्द भंडार एवं शब्द रचना के नियमों के साथ प्रकरणों को जोड़ा जाएगा। 	<ul style="list-style-type: none"> ● आगमन एवं निगमन विधि ● श्यामपट विधि ● सूत्र विधि ● उदाहरण विधि 	<ul style="list-style-type: none"> ● अभ्यास पत्रक ● प्रश्नावली (मौखिक / लिखित) ● छात्रों की अभ्यास पुस्तिकाएँ ● कक्षा सहभागिता 	<ul style="list-style-type: none"> ● पाठ्यपुस्तक ● प्रोजेक्टर ● एक्सट्रामार्क्स ● स्वरचित यूट्यूब वीडियो ● कर्ता एवं क्रिया पर आधारित चार्ट

BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT**Syllabus Plan for the Session 2024-25****CLASS - VI****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-Its Components	<ul style="list-style-type: none">• Understand and learn about working of Computer.• Know about the Input, Output, Storage and Processing Devices.• Know about Technology Addiction.	Technology Integration	<ul style="list-style-type: none">• Demonstration cum Lecture Method• Activity Based teaching• Interactive Method• Group Discussion	Lab Activity Quiz Class Test Assignments	Online Link
June	11	2. Computer Memory	<ul style="list-style-type: none">• Understand and learn about Computer Memory.• Understand memory units.• Know about the Primary Memory, Cache Memory and Secondary Memory.	Technology Integration	<ul style="list-style-type: none">• Demonstration cum Lecture Method• Activity Based teaching• Interactive Method	Lab Activity Quiz Class Test Assignments	Online Link
July	25	3. Excel – Creating Worksheet	<ul style="list-style-type: none">• Understand about spreadsheet program Microsoft Excel.• Create and save workbook in Excel.• Add worksheet and switch between them.• Generate a series using Autofill.	Technology Integration	<ul style="list-style-type: none">• Demonstration cum Lecture Method• Activity Based teaching• Interactive Method	Lab Activity Quiz Class Test Assignments Project	Online Link

		4. Excel – Formula and Functions	<ul style="list-style-type: none"> • Project – Annual Progress Report Card • Understand about formulas and functions • Know about PMT function • Understand Goal Seek • Know about cell references 				
August	23	5. Excel – Creating Charts	<ul style="list-style-type: none"> • Understand about charts in MS-Excel. • Understand about SmartArt and Inserting Sparlines • Project : Chart of Student’s Marks 	Technology Integration	<ul style="list-style-type: none"> • Demonstration cum Lecture Method • Activity Based teaching • Interactive Method 	Lab Activity Quiz Class Test Assignments Project	Online Link
September	21	Revision, Lab Activities and Mid Term Examination					
October	17	6. Windows Movie Maker	<ul style="list-style-type: none"> • Understand about the Movie Editing Software – Windows Movie Maker. • Know about Adding images, videos, or audio • Applying visual and transition effects • Know about adding titles and credits • Know about sharing the project 	Technology Integration	<ul style="list-style-type: none"> • Demonstration cum Lecture Method • Activity Based teaching • Interactive Method 	Lab Activity Quiz Class Test Assignments Project	Online Link
November	21	7. Pencil2D- Animation Software	<ul style="list-style-type: none"> • Understand about Pencil2D- Animation Software. • Know about layers. • Understand about Frame by Frame Animation. 	Technology Integration	<ul style="list-style-type: none"> • Demonstration cum Lecture Method • Activity Based teaching • Interactive Method 	Lab Activity Quiz Class Test Assignments Project	Online Link

		8. Programming in QBasic	<ul style="list-style-type: none"> • Understand about Programming Language- QBasic • Know about creating and saving a program • Know about commands in QBasic 				
December	18	9. Graphics in QBasic	<ul style="list-style-type: none"> • Understand about Graphics in QBasic. • Understand the working in Graphic Mode. • Know about color, draw, pset, circle and line command. 	Technology Integration	<ul style="list-style-type: none"> • Demonstration cum Lecture Method • Activity Based teaching • Interactive Method 	Lab Activity Quiz Class Test Assignments	Online Link
January	24	10. Internet Services	<ul style="list-style-type: none"> • Understand about Internet and services of the Internet. • Know the applications of Internet. 	Technology Integration	<ul style="list-style-type: none"> • Demonstration cum Lecture Method • Activity Based teaching • Interactive Method 	Lab Activity Quiz Class Test Assignments	Online Link
February	22	Revision, Lab Activities and Annual Examination					

BAL BHARATI PUBLIC SCHOOL NTPC-SIPAT

Annual Syllabus 2024-2025

General Knowledge

Class-VI

LEARNING OBJECTIVES

To prompt and embark upon a new and intriguing journey of knowledge and curiosity. **Do You Know -6** 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 -6**
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 5) 2. Around the World (Page no – 6 to 18) * Activity 1: The Changemakers; (Page no – 16)	* Demonstrate a foundational understanding of key concepts across different subject areas. * Apply critical thinking skills to analyze and evaluate information from diverse sources. * Communicate effectively about a wide range of topics. * Develop a curiosity and appreciation for lifelong learning.	* Integrating knowledge from multiple disciplines allows students to see connections between different subjects and understand how they relate to real-world issues.	* Multimodal Instruction: Using a variety of teaching methods such as lectures, discussions, multimedia presentations, and hands-on activities to engage students with different learning styles. * Inquiry-Based Learning: Encouraging students to ask questions, investigate topics, and find answers through research and critical thinking. * Active Learning: Providing	* Quizzes and Tests: Assessing students' knowledge of facts, concepts, and connections between different subjects. * Essays and Reports: Evaluating students' ability to research, analyze, and communicate information effectively. * Projects and Presentations: Allowing students to demonstrate their understanding through creative projects or oral presentations. * Rubrics:	* Textbooks and reference materials covering a wide range of topics. * Online databases, encyclopedias, and educational websites for research. * Multimedia resources such as documentaries, podcasts, and educational videos.
JUNE	11	3. Environment & The World of Science (Page no – 19 to 26) * Activity 2: Healthy Living (Page no – 24)					
JULY	25	4. The World of Plants & Animals (Page no – 27 to 31)					
AUGUST	22	5. Art & Literature (Page no – 32 to 40)					
SEPTEMBER	21	Class Performance - 1					
OCTOBER	20	6. Grammar & language (Page no – 41 to 47) * Activity 3: Word Wind (Page no – 48)					
NOVEMBER	21	7. Sports & games (Page no – 50 to 56)					
DECEMBER	18	8. Moral values & Life Skill (Page no – 57 to 62) * Activity 4: Brave Hearts (Page no – 60)					
JANUARY	24	9. Mind Games (Page no -63 to 70) * Trivia Corner (Page no – 72) * Activity 5: Feed the Monster (Page no – 70)					
FEBRUARY	23	Revision for Class Performance - 2					
MARCH	21	Class Performance - 2					

					opportunities for students to actively participate in their learning through group discussions, debates, role-plays, and projects.	Providing clear criteria for assessing student work and giving feedback. *Peer Review: Having students evaluate each other's work to promote collaboration and critical thinking. *Portfolios: Collecting samples of students' work over time to track their progress and growth.	
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Portion for Assessments

Activity-1 (20 Marks)	1st Aug. – 15th Aug.	Page No. - 1 to 20
Class Performance - 1 Written 40 Marks	August - September	Page No. - 1 to 40
Activity-2 (20 Marks)	15th Jan - 30th Jan	Page No. - 30 to 50
Class Performance - 2 Written 40 Marks	February - March	Page No.- 41 to 69

BAL BHARATI PUBLIC SCHOOL, NTPC SIPAT
Syllabus Plan for the Session 2024-25
CLASS -6

SUBJECT-VALUE EDUCATION

Introduction

According to UNESCO study, “the physical, intellectual, emotional and ethical integration of the individual into a complete man/woman.

LEARNING OBJECTIVES:

- Value Education aims at training students to face the outer world with the right attitude and values.
- It aids in holistic learning of students by developing character,Cultural awareness,critical thinking and imparting various life skills.

Recommended Books

A book on Value Education by CBSE.

- [Various online resources.](#)

MONTH	NUMBER OF WORKING DAYS	COURSE CONTENT(SDG,VALUE,MAJOR EVENTS & LIFE SKILLS.)
April	23	Compassion
June	11	Money management
July	25	Discipline Norms of Self Conduct
August	22	Anger management
September	21	Empathy
October	20	Protecting your heritage
November	21	Love nature Etiquettes & Mannerism
December	18	Health
January	24	Relationship
February	22	Gratitude

Note:Situational based topics as per the need of the students are also included in the curriculum.