

S D PUBLIC SCHOOL ,PITAMPURA								
Academic Planner 2025-26								
Class-VI								
SUBJECT - SCIENCE								
1	2	3	4	5	6	7	8	9
MONTHS & DAYS	CONTENTS	LEARNING OUTCOMES	ACTIVITY / EXPERIMENT	ASSIGNMENT/H.W	MODE OF ASSESSMENT	ASPECT/ SUSTAINED IMPACT-SDG	21 CENTURY SKILLS	TEACHING PEDAGOGY
APRIL								
1- 15 (10 days)	Bridge Course	Bridging the Gap, Developing Foundational skills,Smooth transition and Enhance Equity and Inclusion.					Creativity Collaboration Communication	Cooperative and Collaborative Learning:
		By the end of the chapter students will be able to:-				SDG-1 No poverty SDG-2 Zero hunger SDG-4:Quality Education		
16 - 30 (12 days)	Chapter 1 Wonderful World of Science	*Understand the scientific way of studies. *Follow the scientific steps to study about something. *Explain the benefit of the scientific way of learning. *Understands scientific method.	To observe plants around us.	Thinking Classroom Worksheet -Ch 1, Educosoft online assessment	*Information gathering and deducing . * Preparing science journals.	History	Critical thinking Problem Solving Innovation	Inquiry-Based Learning:
			Science lab manual activity of Ch 1	Key Terms,TBQs&Diagrams	*Pen & Paper Test			
					Interactive Quizzes/Science Concept Cards	SDG-7 Clean Energy SDG-3 Good health and well being		
						Mathematics		
MAY								
1 - 15 (11 days)	Chapter 2 Diversity in Living World	*Make groups of plants and animals based on observation. *List the examples under different groups. *Compare the features of different groups. *Explain the features based on different habitat.	Collect information and paste pictures of any two endangered animals. Suggest ways to save them.	Thinking Classroom Worksheet -Ch 2, Educosoft online assessment	*KWL Charts(Know,Want to Know,Learned) *Role Play *Creative Expressions		Problem solving Adaptability Analytic reasoning	Critical Thinking and Problem-Solving:
			Science lab manual activity of Ch 2	Key Terms,TBQs&Diagrams		SDG-14:Life below Water & SDG-15:Life on Land		
			Poster making on EARTH DAY		*Pen & Paper Test	Biology		

MAY									
16-25 (8 Days)	THE SCIENCE OF EVERYTHING AROUND US		SCIENCE IS FUN (DIY ACTIVITIES)			Art intergrated activities			
JUNE (1-30)		SUMMER BREAK							
JULY									
1- 15 (12 days)	Chapter 3 Mindful Eating: A path to a Healthy Body	*Define nutrients *List the components of food and their examples. *Understands the importance of different food items for us. *Define a balanced diet. *Know the importance of water and roughage in our diet.	To show presence of starch and fat in the given food sample.Science lab manual	Thinking Classroom Worksheet -Ch 3,	*Sci-Fi Writing * Multiple choice Questionaire * Mystry box experiments *Pen & Paper Test		self direction problem solving collaboration	Experiential Learning:	
			*Prepare charts or posters and paste them in the class so that students are aware of the diet for 12 Year old students.			Psychology			
						SDG-2 (ZERO HUNGER)			
16 - 31 (14 days)	Chapter 4- Exploring Magnets	List the properties of magnets. *Explain the Earth's magnetic field. *Identify the directions with the help of magnets. *Know how magnets get demagnetized. *Understands how to care for magnets.	To show that poles of a magnet have the maximum magnetic power.	Thinking Classroom Worksheet -Ch 4, Educosoft online assessment	Information gathering and deducing,Science Journals	SDG-7 Affordable and clean energy		Interdisciplinary Teaching –	
			Science lab manual activity of Ch 4	Key Terms,TBQs&Diagrams	Science Concept Cards,Interactive Simulations	Physics	Critical thinking Creativity Communication Information literacy		
					Pen & Paper Test				
	U.T 1 (21 July- 26 July)		Syllabus for UT-1: Chapters-1,2,3						
AUGUST									
1- 15 (11 days)	Chapter 5 Measurement of length and Motion	*Define physical quantity and measurement . *List the unit of length. *Follow the precautions while measuring the length. *Know the methods of measurement in old times. *Identify different types of motion.	To measure the length of the curved line.(Lab Manual)	Thinking Classroom Worksheet -Ch 5, Educosoft online assessment ,Key Terms,TBQs&Diag	*Think-Pair-Share *Build a measuring device *Error analysis *Pen & Paper Test	Physics	Critical thinking Creativity Collaboration Communication	Concept Mapping	
							SDG-3 AND SDG-4		
					Science lab manual activity of Ch 5	Mathematics – Understanding measurements, calculations in	Self-Assessment and Reflection,Peer Review		SDG-9 Industry,innovation and infrastructure

16-31 (12 days)	Chapter 6 Materials around Us	*Make the groups of objects based on their properties. *List the properties of different materials. *Use the materials for their suitable purposes. *Sort the materials based on their magnetic and conductivity properties. *List different materials and their properties that we use in daily life.	To study the solubility of : a) some solids in water b) some liquids in water.	Thinking Classroom Worksheet -Ch 7, Educosoft online assessment Key Terms, TBQs & Diagrams	*Poster on materials in daily life *Recycling Project *Material Properties Bingo *Material Sorting Challenge		Problem solving Adaptability Analytic reasoning	Concept Mapping
			Science lab manual activity of Ch 6		Concept Mapping, Use of online platforms (like Kahoot, Quizizz,	SDG-3 Good health and well being		
			LAB SKILL TEST					
			CLASS RECORD ASSESSMENT					
SEPTEMBER	Exam Month							
1- 15 (11 days)	Revision							
16 - 30 (12 days)	HALF YEARLY EXAMS (15 Sept- 26)		SYLLABUS OF HALF YEARLY					
			Chapter 1- Wonderful World of Science					
			Chapter 2-Diversity in Living World					
			Chapter 3- Mindful Eating: A path to a Healthy Body					
			Chapter 4-Exploring Magnets					
			Chapter 5-Measurement of length and Motion					
			Chapter 6-Materials around Us					
			G.K TERM-1 (All Chapters)					
OCTOBER								
1- 15 (8 days)	Chapter 7 Temperature and its Measurement	*Define temperature *List the units of temperature *Understand how to measure temperature using different devices.	Measuring body temperature and different liquids.	Thinking Classroom Worksheet -Ch 8, Educosoft Online Assessment	*Think-Pair-Share *Error analysis *Pen & Paper Test	SDG-13 Climate Action	Critical thinking Creativity Collaboration Communication	Experiential Learning:
		*Differentiate Hot and Cold on the basis of temperature. *Identify and use different types of thermometer. *Explain how to measure temperature of air.	Science lab manual activity of Ch 8	Key Terms, TBQs & Diagrams		Biology and Medicine-		
16 - 31 (10 days)	Chapter 8 A Journey through states of Water	*List the states of water that they observe in their surroundings. *Give the features of different states of water.	Prepare a collage on importance of water on an A-4 size sheet.	Classroom Worksheet -Ch 9, Educosoft Online Assessment	Science Concept Cards, Interactive Simulations		Critical thinking Creativity Collaboration Communication	Interdisciplinary Teaching

		*Explain how one state of water changes into another.	Science lab manual activity of Ch 9	Key Terms,TBQs&Diag		Chemistry-		
		*Explain and draw the diagram of the water cycle.				SDG-14 Life under water		
		*Define different terms related to						
NOVEMBER								
1- 15 (11 days)	Chapter 9 Methods of separation in Everyday life	*Define the terms component and mixture. *List the examples of components and mixtures from daily life. *Give the characteristics of a solution. *Know the need for separation of substances. *Follow the techniques of separating the substances.	To obtain clear water from muddy water. (Lab Manual)	Thinking Classroom Worksheet -Ch 10, Educosoft Online Assessment	Digital Tools (e.g., Padlet, Flipgrid) where students can post responses, videos, or images about scientific concepts,Group assignments and projects	Environmental Science Water and Wastewater Treatment	Leadership Initiative Productivity Social skills	Inquiry-Based Learning:
			Science lab manual activity of Ch 10	Terms,TBQs&Diagrams		SDG-3 Good health and well being		
16 - 30 (13 days)	Chapter 10 Living creatures: Exploring their Characteristic	*Define the living and nonliving things. *List the characteristics of living things. *Give the examples of living and nonliving things.	To classify the given plants and animals as endemic, endangered and extinct species.	Thinking Classroom Worksheet -Ch 11, Educosoft Online Assessment	Presentations on science concepts/ experiments,Investigations for stated problems(projects)	Physiology	Critical thinking Creativity Collaboration Communication Social skills	Experiential Learning:
		*Differentiate between living and nonliving things. *Draw the diagrams to show life cycles of living things.	Science lab manual activity of Ch 11	Terms,TBQs&Diagrams	*Interactive Stimulations.	SDG-15 Life on land		
DECEMBER								
	U.T- 2 (8 DEC- 15 DEC)		Syllabus for UT-2 : Chapters- 7,8,9					
1-15 (12)	Chapter 11 Nature's Treasure	List some natural resources. *Give the importance of air for living things. *Explain how water is useful for the survival of living beings. *Understand the importance of soil and rocks for us. *Follow the steps for conservation of natural resources.	To study air is necessary for combustion	Thinking Classroom Worksheet -Ch 12, Educosoft Online Assessment	Explanation of different natural phenomenon using scientific principles.,MCQs and Science Quiz	Natural Products Chemistry	Critical thinking Creativity Collaboration Communication	Inquiry-Based Learning:
			Science lab manual activity of Ch 12	Key Terms,TBQs&Diag				
						SDG-15 Life on land		
16-31 (13 days)	Chapter 12- Beyond Earth	By the end of the chapter students			Science Concept Cards,Interactive			
JANUARY								
Jan 1-15	WINTER BREAK							
16-31 (13 days)	Chapter 12 Continued	*Define the terms planet stars galaxy and universe. *List the names of the planets of our galaxy. *Draw the pictures of our solar system. *Know the functions of an artificial satellite. *Name some common	Think of alien life on different planets and their survival.	Thinking Classroom Worksheet -Ch 12, Educosoft Online Assessment	Science Concept Cards,Interactive Simulations and Pen & paper Test	Astrophysics-Study of Celestial Bodies,Planetary Science.Biology and Exobiology-Life in Extreme Conditions: Exobiology (or astrobiology) is the study	Global Awareness communication Flexibility Creativity Collaboration Communication Information literacy	Experiential Learning:

		Name some common constellations. *Explain comets and meteors.	Science lab manual activity of Ch 12	Key Terms, TBQs&Diagrams		SDG-17 Partnership for the goals	
FEBRUARY							
1- 15 (11 days)			Educosoft Online Assessment				
	ANNUAL EXAM		LAB SKILL ASSESSMENT				
			ASSESSMENT				
16 - 28(12 days)	ANNUAL EXAM		SYLLABUS OF ANNUAL EXAM				
			TERM1 AND TERM 2- ALL THE CHAPTERS				
			COMPLETE BOOK				
March			G.K TERM- 2 (All Chapters)				
1- 31 (25 DAYS)	ANNUAL EXAM						