

# Class VII

## SYLLABUS OVERVIEW

### SUBJECT: SCIENCE-A

Teacher: Sir LS

Chapter No.	Name of the Chapter		Marks
TERM-I	PT-I		
	7	Transportation in plants and animals	20
	8	Reproduction in Plants	20
	Total		40
	Half Yearly		
	7	Transportation in plants and animals	10
	8	Reproduction in Plants	7
	9	Motion and Time	13
	13	Wastewater Story	10
	Total		40
TERM-II	PT-II		
	10	Electric Current and its Effects	20
	11	Light	20
	Total		40
	Yearly		
	10	Electric Current and its Effects	15
	11	Light	15
	12	Forests: Our Lifeline - 10 marks	10
	Total		40

TERM-I				
Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects/Practical experiment to be held/Specific Assessment Tools(s)
April-May	17	9	1. Transportation in animals and plants	- Find out about blood groups and their importance. - Draw the human heart and label it.
June- July	20	18	2. Reproduction in Plants 3. Motion and time	- Take a china rose flower and separate it's reproductive parts. Study the various parts of a stamen and pistil. - "Time my walk" - Record the time taken to walk and run a 100 m. Calculate your speed using speed formula.

August-September	20	9	4. Wastewater story	- Study the sewage route in your school. Make a line diagram of the sewage route and find the number of manholes.

TERM-II				
Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects /Practical experiment to be held/Specific Assessment Tools(s)
October-	20	12	5. Electric current and its effects	- To make an electromagnet with 20,40,60 and 80 turns. Compare the strength of the electromagnets.
Nov-Dec	20	12	6. Light	- To write various image using a mirror.
Jan- Feb, 2026	20	12	7. Forests: Our lifeline	- To make a list of various items in your home which are made from materials which may have been obtained from the forest.

## SYLLABUS OVERVIEW

### SUBJECT: SCIENCE-B

Teacher: Miss HC

Chapter No.	Name of the Chapter		Marks
TERM-I	PT-I		
	7	Temperature and its Measurement	20
	8	A Journey through States of Water	20
	Total		40
	Half Yearly		
	9	9. Methods of Separation in Everyday Life	20
	7	7. Temperature and its Measurement	10
	8	8. A Journey through States of Water	10
Total			40
TERM-II	PT-II		
	10	Living Creatures: Exploring their Characteristics	20
	11	Nature's Treasures	20
	Total		40
	Yearly		
	12	Beyond Earth	20
	10	Living Creatures: Exploring their Characteristics	10
	11	Nature's Treasures	10
Total			40

TERM-I				
Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects/Practical experiment to be held/Specific Assessment Tools(s)
April-May	17	12	7. Temperature and its Measurement: Hot or Cold? Temperature; Measuring temperature: Clinical thermometer and Laboratory thermometer, Air temperature.	<ul style="list-style-type: none"> <li>Activity 7.3 (pg 130): Finding the temperature range of a laboratory thermometer.</li> <li>Paragraph writing: "Can it always be correctly judged that a person has fever, only by touching the person?"</li> <li>Worksheet for assessment.</li> </ul>
June - July	20	12	8. A Journey through States of Water: Investigating water's disappearing act (Evaporation); Another mystery (Condensation); The different States of Water: Solid, Liquid and Gases; Changes in the State of Water: Freezing and Melting; Factors affecting Evaporation; Cooling effect; How do Clouds give us Rain (Water cycle).	<ul style="list-style-type: none"> <li>Observation: Evaporation using hand sanitiser.</li> <li>Class Presentation: Factors affecting evaporation.</li> </ul>

August – Sept	20	12	9. Methods of Separation in Everyday Life: Handpicking, Threshing, Winnowing, Sieving, Evaporation, Sedimentation and Decantation, Filtration, Churning and Magnetic Separation.	<ul style="list-style-type: none"> <li>• Discussion and writings: “Importance of separating substances.”</li> <li>• Project: Create an illustrated poster showing any 2 methods of separation in daily life.</li> <li>• SEA: Filtration- Separating a mixture of insoluble substance (soil) and Liquid (water) using filter paper.</li> </ul>

TERM-II				
Month	No. of Days	No. of Periods	Lesson/Unit	Activities/Projects/Practical experiment to be held/Specific Assessment Tools(s)
October	20	12	10. Living Creatures: Exploring their characteristics- What sets the living apart from non-living? : Movement, growth, breathing, excretion, reproduction, response to stimuli and death; Essential conditions for Germination; Growth and Movement in Plants; Life Cycle of a Plant; Life Cycle of Animals: Mosquito, Frog.	<ul style="list-style-type: none"> <li>• Class discussion: Deciding living and non-living things.</li> <li>• Draw and label the life cycle of: i) A bean plant ii) A mosquito or a frog.</li> <li>• Project: “Can we grow plants without germinating their seed? Explore and cite some examples”</li> </ul>
November-December	20	12	11. Nature’s Treasure: Air, Water, Energy from the Sun, Forests, Soil, Rocks and Minerals, Fossil fuels, Natural Resources: Renewable and Non-renewable resources; Resources we use.	<ul style="list-style-type: none"> <li>• Discussion and writings: “List 5 things we use daily that comes from nature” (Eg. Water, food, etc.).</li> <li>• T-Chart: Prepare a T-chart on renewable and Non-renewable resources.</li> <li>• SEA: Preparing Poster slogan- “Save Nature’s Treasure for our future”</li> </ul>
Jan-Feb,	20	12	12. Beyond Earth: Stars and Constellations; Night sky watching; Our Solar System; Planets; Natural Satellites: The moon, Asteroids, Comets; The Milky Way Galaxy; The Universe.	<ul style="list-style-type: none"> <li>• Presentation: Look at the night sky and note three things you see-Activity 12.1(pg 232). And, share observations in the class.</li> <li>• Chart making: Making a chart of the Solar system with planets in order.</li> <li>• Discussion and writing: “What do you think lies beyond our galaxy?”</li> </ul>