



FORTNIGHTLY SYLLABUS PLANNING (2025-26)

CLASS VIII SUBJECT-SCIENCE

New Session begins on 1st April 2025

S.no.	Duration	No. of Teaching Days	Theory	Practical/ Activity
1	1 st April-15 th April	10	<p>Topic – Diversity in the Living World</p> <p>Sub topics:</p> <ul style="list-style-type: none"> • Observes, compares, analyses scientific concept of diversity • Find out the relationship between the types of roots, leaf venation and number of cotyledons <p>Topic –Water</p> <p>Sub topics:</p> <ul style="list-style-type: none"> • Compare different states of matter • Formulate possible explanation • Investigate conditions that will affect how fast water will evaporate • Balanced food • Inferring case studies related to diseases caused due to deficiencies • Designing experiments to identify the essential conditions for germination of a seed 	<p>1.To visit school garden and Sanjeevani Vatika</p> <p>2.To study about different types of venations in leaf.</p> <p>3. To study germination of a seed.</p>
2	16 th April- 30 th April	10	<p>Topic- Natural Resources</p> <p>Sub topics:</p> <ul style="list-style-type: none"> • Natural resources • Physical properties of metals and nonmetals (such as hardness, appearance, sonority, malleability, ductility, electrical and thermal conductivity) <p>Topic- Metals and Nonmetals</p> <p>Sub topics:</p> <ul style="list-style-type: none"> • Chemical properties of metals and non-metals (reactions with air and water only) • Exploring the rusting phenomenon through simple. 	<p>4. To study various physical properties of metals and non-metals.</p> <p>5. To study chemical reaction by burning magnesium ribbon in air.</p>
3	1 st May- 15 th May	10	<p>Topic - Heat and Air</p> <p>Sub topic:</p> <ul style="list-style-type: none"> • Investigate the movement of hot air <p>Topic - Understanding Adolescence</p>	<p>4.To study the properties of hot air.</p> <p>5. To discuss about the myths and taboos related to menstrual cycle.</p>
4	16 th May-31 st May	6	<p>Topic – Sky</p> <p>Sub topic:</p> <ul style="list-style-type: none"> • Night sky watching <p>Topic- Galaxy</p> <p>Sub topic:</p> <ul style="list-style-type: none"> • Star, constellations, galaxy • Solar system <p>Topic- Motion of the Earth</p> <p>Sub topic:</p> <ul style="list-style-type: none"> • Earth's Rotation and Day-Night • Solar and Lunar eclipses 	<p>6. To study solar and lunar eclipses by help of an activity.</p>
Summer Vacations:26th May – 30th June 25				
5	1 st July- 15 th July	11	Solar and Lunar eclipses (continued)	7. To study solar eclipse by the help of an activity.
Periodic Test-1: 9th July – 23th August 25				

6	16 th July-31 st July	12	Ch-2 The invisible Living World: Beyond Our Naked Eye	8. To study the structure of an onion cell under a microscope.
7	1 st Aug- 15 th Aug	10	Ch-2 The invisible Living World: Beyond Our Naked Eye (continued) Ch-3 Health: The Ultimate Treasure	9. To prepare a temporary mount of a cheek cell.
8	16 th Aug- 31 st Aug	10	Ch-3 Health: The Ultimate Treasure(continued) Ch-4 Electricity: Magnetic and Heating Effects.	10. To prepare a simple circuit.
Syllabus Completion for Mid Term Examination: 29th Aug 2025				
9	1 st Sept-15 th Sept	9	REVISION	
Mid Term Examination - 15th Sept- 26th Sept 25				
Autumn Break- 30th Sept – 2nd Oct 25				
10	1 st Oct- 15 th Oct	8	Ch-5 Exploring Forces	11. To study the effect of pressure of liquids on the walls of a container.
11	16 th Oct-31 st Oct	8	Ch-6 Pressure, Winds, Storms, and Cyclones	12. To study the effect of pressure.
Diwali Break: 20th Oct - 23rd Oct 25				
12	1 st Nov -15 th Nov	9	Ch-7 Particulate Nature of Matter	13. To study the process of diffusion of solids in liquids
13	16 th Nov-30 th Nov	10	Ch-8 Nature of Matter: Elements, Compounds, and Mixtures	14. To study the dissociation of water with the help of a 9V battery
Annual Day: 29th Nov 25				
14	1 st Dec- 15 th Dec	11	Ch-9 The Amazing World of Solutes, Solvents, and Solutions	15. To study the dissolution of baking soda in water.
Periodic Test-2: 8th Dec – 22nd Dec 25				
15	16 th Dec-31 st Dec	8	Ch-9 The Amazing World of Solutes, Solvents, and Solutions(continued)	16. To calculate the volume of a stone with the help of change in level of water.
Winter Break- 29th Dec - 9th Jan 26				
16	1 st Jan -15 th Jan	4	Ch-10 Light: Mirror and Lenses	17. To study the properties of spherical mirrors.
17	15 th Jan- 31 st Jan	11	Ch-10 Light: Mirror and Lenses(continued)	18. To study the laws of reflection.
18	1 st Feb - 15 th Feb	10	Ch-11 Keeping Time with the Skies	
Syllabus Completion for Annual Examination: 6th February 26				
Annual Examination Begins: 16th February 26				

TOTAL TEACHING DAYS: 167

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
PERIODIC TEST 1	18.07.2025	Topics: Diversity in the Living World, Water, Natural Phenomena, Metals and Non-metals, Heat and air, Sky, Galaxy and Motion of earth
MID TERM EXAMINATION	22.9.2025	Topics: Understanding Adolescence, Sky, Galaxy, Motion of Earth Ch-2, 3 and 4
PERIODIC TEST 2	12.12.2025	Ch-5&6
ANNUAL EXAMINATION		Ch-5,6,7,8,9,10 &11