
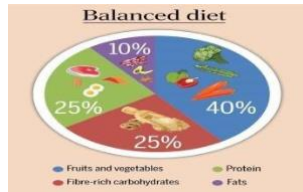


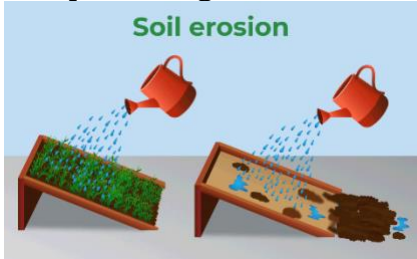
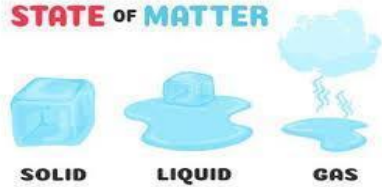

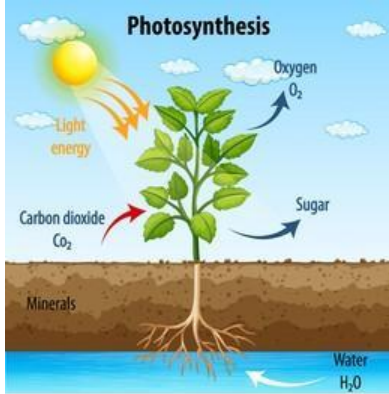
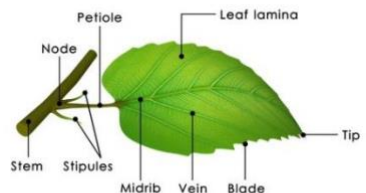



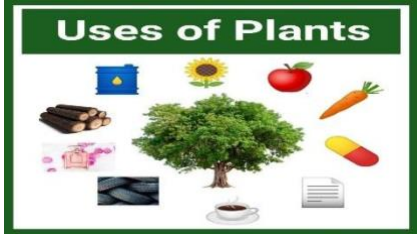


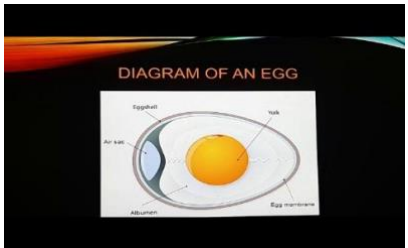
**Vidya Pratishthan's  
Dr.Cyrus Poonawalla School (CBSE)  
Annual Curriculum Planning (ACP) 2024-25**

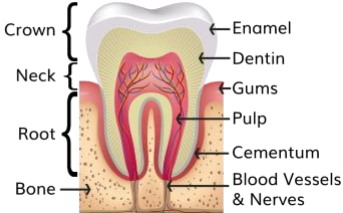
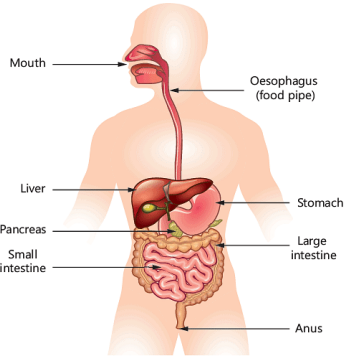



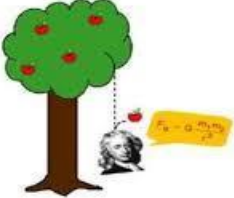
Std- 4th

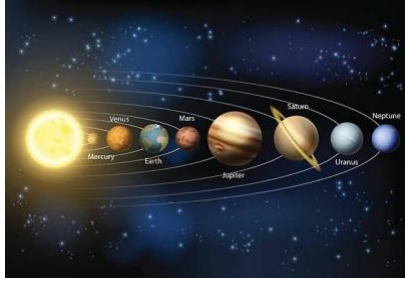
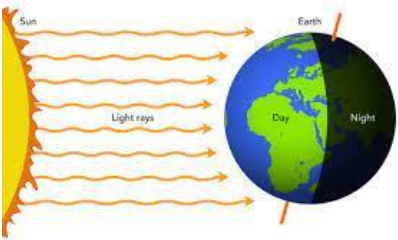
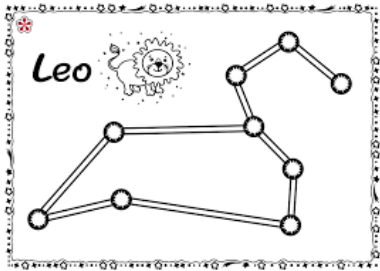
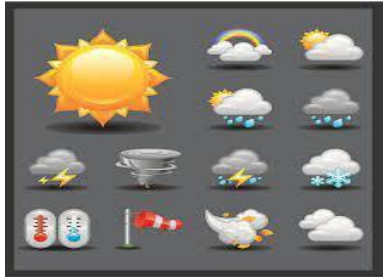
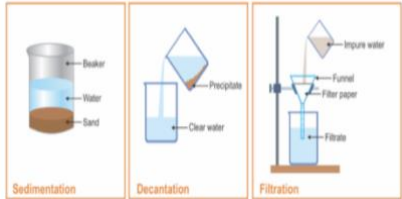
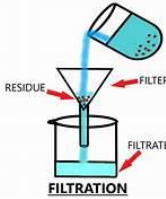

Sub- Science


Sr.No	Content/ Topic	Month and Working days	Learning Objectives	Expected Learning Outcome.	Activity	Teaching Aids	Assessment	21 <sup>st</sup> Century Skills
1.	<b>Bridge course</b> - Our Safety. - Solids, Liquids and Gases. - Water Cycle 	April(19)	-To enable students understand Safety rules to be followed everywhere (At home, at school, on the road and even on the playground) -To know the properties of solids, liquids and gases. -To understand change of states of matter. -To understand water changing its state in nature.	- Students know and follow all the safety rules. -Students are able to tell the properties of solids, liquids and gases. --Students understood the concepts of change of state of matter.	-Make a note of the things that should be there in the first aid box. - Speak about the traffic signal in class.	- Charts.	- Worksheet - Present yourself in class stating the importance of traffic light.	Critical Thinking
2	Ch . 1 The Food- We Eat 	April -june	-To know the different food groups -To know the importance of roughage. -To understand balanced diet. -To know the different methods of food preservation. - To understand the need of exercise.	-Students are able to differentiate different food groups. -Students understood the concept of balanced diet and importance of roughage in our diet. -Need of exercise.	- Activity 01 To understand that food contains water. - Make a list of food we eat, collect pictures and make a balanced diet chart and stick in the notebook.	- ICR - Charts. - Videos.	- Analyze what you eat. Find out which nutrients they contain and divide them into different food groups.	Information literacy
3	Ch .2 Materials from the Earth   Ch.No-3 Soil	June -july	Understand the composition and properties of common earth materials such as stones and metals.	-Different types of stones and their uses. -Clay and its uses. -Metals and uses -Glasses and their uses.	Collect small pieces of different kinds of stones to make rock storage box.	- ICR - Charts. - Videos - Copper wire -Mignifying glass	Worksheet	Critical Thinking

4		July	<p>To learn the formation of soil.          -To understand the content of soil and types of soil.          - To understand Soil erosion and protecting of the soil</p> 	Students are able to understand the formation of soil, its content, types, soil erosion and importance of soil protection.	<p>-Mix some garden soil in a jar with water, observe and draw the different layers of soil.</p> <p>- Poster making to spread awareness on soil conservation.</p>	-ICR Different soil samples Videos	Worksheet	Information literacy
5	<p>Ch.No-4 States Of Matter</p> 	August	<p>-To know about states of matter-Solids, Liquids and Gases and their properties.          -To understand the changes in state.          -To study water cycle.          - Solute, Solvent and Solution.</p> 	<p>-Students know the states of matter and their properties.          -Students understood the concepts of change of state of matter and solute, solvent and solution.</p>	<p>-Activity 04 To understand the properties of gases.          - Activity 05 To understand what happens when a solid dissolves in water.          - Activity 06 To investigate if there is any change in volume when solids dissolve.          - Observe the process of melting by keeping the ice at room temperature.</p>	-ICR - Different sized, shaped containers. -Science lab activity	Observations and conclusions of activity manual.	Creativity, Inference
6	<p>Ch No. 5 Plants making and sorting food.</p> 	August	<p>-To know the types of leaves, parts of a leaf.          - To Study the function of a leaf.          -To understand the process of photosynthesis.          - To understand interdependence of plants and animals.</p> 	<p>Students understood types of leaves, its parts and functions.          -Students know the process of photosynthesis and interdependence of plants and animals</p>	<p>- Activity 07 To show that chlorophyll is necessary for photosynthesis.          Make a list of vegetables you know, stick pictures and write the part of plant it is.</p>	-ICR. - Different types of leaves. -Science lab Activity.	- Write about any part of a leaf and speak in class.	Initiative, Observation

7	<p>Ch no.6 Plants Living And Surviving.</p> 	september	<p>To know the different types of plants. Terrestrial Plants and Aquatic Plants. Insectivorous plants, non green plants. - Uses of plants.</p> 	<p>-Students know the different types of plants like plants on mountains, plains, deserts, on sea coast, plants in areas with heavy rain fall. Aquatic plants- floating plants, fixed and underwater plants. Insectivorous plants, non-green plants. Uses of plants.</p>	<p>- Cut the carrot tops and place them in a dish of water and watch the re-sprout. Note your observation daily. Make a chart of your plant and paste it on your chart paper and describe its adaptation</p>	-ICR.	Grid solving.	Information literacy
8	<p>Ch No.7 Animals Living and Surviving.</p> 	september	<p>To understand types of animals as - To know the different habitat of the animals. - To know the classification of animals on the basis of their eating habits. - To study the different adaptations in animals</p>	How animals have adapted to different habitat.	<p>- In groups of five, make a chart with the names of animals as well as their adaptations for any one of the following groups. i. Terrestrial animals ii. Aerial animals. iii. Arboreal animals. iv. Aquatic animals</p>	-ICR.	Solve the word puzzle	Initiative
9	<p>Ch No. 8 Reproduction in Animals</p> 	October	<p>To understand the concept of reproduction and the ways in which animals reproduce. - To study the parts of an egg. - To understand the concept of metamorphosis</p> 	Students can explain the ways in which animals reproduce, parts of an egg and the concept of metamorphosis	Find out animals that lay eggs and also the ones that give direct birth to their young ones. Make a list of all of them in your scrapbook with pictures.	ICR. - Charts.	Worksheet.	Productivity
10	Ch No.9	October	<p>-To understand the basic structure and function of major body system. -Identifying the organs and tissues involved in each body system.</p>	Organs of digestive system and their functions. Different kinds of teeth Importance of taking care of them	Make a poster showing the correct way to brush teeth. Activity 02 To identify different types of teeth and understand their functions.	ICR -Charts -Model of tooth.	-Crossword solving.	

	<p>How our body Works</p> 			<p>Organs of Respiratory system and their functions</p> 				<p>Inference</p>
<p>11</p>	<p>Ch.No-10 Safety and First Aid.</p> 	<p>November</p>	<p>-To know the safety rules to be followed at home- In the kitchen, In the bathroom, and Safety outside the house.          - To know about first aid.          -To know the first aid for- Cuts and wounds          For simple burns.</p> 	<p>- Students know and follow all the safety rules.          - Students know the items of the first aid box and can explain the first aid to be given for cuts and wounds and for simple burns.</p>	<p>- Make a model of a traffic signal and give a presentation in the class and speak what each colour says.           -Find out what a first aid box should contain.</p>	<p>-Model of traffic signal.          -First Aid Box.          - Charts.</p>	<p>Present yourself in class stating the importance of safety rules.</p>	<p>Initiative</p>
<p>12</p>	<p>Ch. No-11 Force, Work and Energy.</p> <p><b>SIMPLE MACHINES</b></p> 	<p>December</p>	<p>To enable students understand</p> <ul style="list-style-type: none"> <li>- Force and its types</li> <li>- Work</li> <li>- Simple machines.</li> </ul> <p>Forms of energy</p> <p>Two Important Forces - An Introduction to Friction and Gravity</p> 	<p>Students-</p> <ul style="list-style-type: none"> <li>-Understand that force is a push or a pull</li> <li>-Differentiates between gravitational force and friction</li> <li>- Understand that machines help us to work faster and make work easier</li> <li>- Know different simple machines</li> <li>- Differentiate between potential and kinetic energy</li> <li>- Describe different forms of energy.</li> </ul>	<p>Activity 08 To show that a screw is actually an inclined plane wrapped around a cylinder.</p>	<p>- ICR          - Simple machines</p>	<p>Worksheet.</p>	<p>Productivity, Creativity</p>

13	<p>Ch No. 12 The Earth And its Neighbours</p> 	January	<p>To know about the sun.          -To understand the solar system.          -To study about the moon, stars constellation.          - To understand the movements of the earth.          To understand the occurrence of day and night and seasons.</p> 	<p>-Students know the solar system.          -Students understood constellation.          - Students explain the different phases of the moon.          - Students speak on the occurrence of day and night and seasons</p> 	<p>Activity To study the energy in sun's rays          - Activity To understand the occurrence of day and night.          -Cut out stars of silver paper and make a chart showing any one constellation.</p>	Science lab activity. - ICR	Cut out stars of silver paper and make a chart showing any one constellation	Creativity
14	<p>Ch No. 13 Air, Water and Weather.</p> 	February	<p>To know about air, its properties and types, what causes wind to blow?          -To understand Water-States, Change of state of water, Drinking water-processes in which water can be made safe for drinking.          - Concepts of sedimentation, decantation, boiling, filtration, chlorination</p>  	<p>Students know the content of air and its types.          - Students know the different processes through which water can be made safe for drinking</p> 	<p>Activity from the science lab manual          -Make a poster on the importance of keeping the air clean and add a slogan.</p>	ICR. -Charts. - Science lab activity.	Worksheet	Creativity
15.	Ch. No-14 Keeping the Earth Clean.	February	-To understand the importance of keeping the earth clean.	-Students Know the importance of keeping the earth clean.	- Tree Plantation drive.	-ICR.	Speak about 3R's.	Information literacy

			<ul style="list-style-type: none"> <li>- To know the ways to keep the earth green.</li> <li>- To understand what people are doing to save the earth.</li> </ul>	<p>Ways to keep the earth green.</p> <p>To Know the different types of pollution and their effects.</p>	<ul style="list-style-type: none"> <li>- Poster making to spread awareness about caring for trees with catchy slogans.</li> </ul>			
16.	Revision	February/ March	To revise syllabus for exam.	Students know all the chapters very well.	Read and understand the questions and answer them.	Textbook	Worksheet.	

**Subjects Teachers:**

- Mrs.Swati Mangate
- Miss. Pooja Kamble

**MODERATOR :**

**PRINCIPAL:**