



**MAHARAJA AGARSAIN PUBLIC SCHOOL**  
**a Cambridge International School**  
**Ashok Vihar, Delhi**

**CLASS - VI**  
**SUBJECT: G. SCIENCE**  
**SESSION: 2023-24**

**Book: PRACHI SCIENCE by S.K JAIN**

DURATION	SYLLABUS COVERED	SYLLABUS TESTED	SUBJECT ENRICHMENT/PRACTICAL/ ENGLISH/ CONVERSATION/ VISUAL STIMULUS	LEARNING OUTCOMES (Students will be able to)	RESOURCES	SDG
PT1 (JULY-AUG)	<b>Ch7 -Motion and Measurement of Distance.</b>	Chapter 7-Motion and Measurement of Distance.  Chapter1-Components of Food. PT-1 Syllabus completion : 25th May,2023  <b>PT1 : 24/07/2023</b>	<b>Activity:</b> Draw a curved line on A4 size sheet and measure it using (a) divider (b) thread  <b>Experiment-1:</b> To measure the length of a (a) table/pencil. (b) Diameter of a circular object using meter scale.	<ul style="list-style-type: none"> <li>❖ Explain the concept of measurement and its importance.</li> <li>❖ Know about various physical quantities and also about standard units.</li> <li>❖ Interconversion of units.</li> <li>❖ Measure the length of a curved line using a thread and divider.</li> <li>❖ Explain the importance of estimation.</li> <li>❖ Define motion and its various types</li> </ul>	<p><a href="https://www.youtube.com/watch?v=ftB5VU64yGA">https://www.youtube.com/watch?v=ftB5VU64yGA</a></p> <p><a href="https://www.youtube.com/watch?v=2iVvqELKRZ0">https://www.youtube.com/watch?v=2iVvqELKRZ0</a></p> <p><a href="https://www.youtube.com/watch?v=8qh--3X6E5w">https://www.youtube.com/watch?v=8qh--3X6E5w</a></p> <p><b>PRESENTATION</b>  <a href="https://drive.google.com/driv">https://drive.google.com/driv</a></p>	<b>SDG 4.</b> Quality Education

					<a href="https://www.youtube.com/watch?v=t89zX78TbNE">e/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing</a>	
	<p><b>Ch 1-Components of Food.</b></p> <p>PRESENTATION WEEK: 18 to 25 APRIL</p>		<p><b>Experiment 2:</b> To test the presence of sugar/starch/fats and protein in the given sample.</p> <p><b>Activity:</b> Testing for Vitamin C.</p>	<p>Identify various nutrients present in food</p> <ul style="list-style-type: none"> <li>❖ Explain the importance of balanced diet</li> <li>Develop the relation between nutrients and deficiency diseases</li> </ul>	<p><a href="https://www.youtube.com/watch?v=t89zX78TbNE">https://www.youtube.com/watch?v=t89zX78TbNE</a></p> <p><b>PRESENTATION</b> <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing">https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing</a></p>	<p><b>SDG 2.</b>zero hunger</p> <p><b>SDG 3.</b> Good health and well-being</p>
	<p><b>Ch- 2:-Sorting materials into Groups</b></p>		<p><b>Experiment 3:</b> To find out whether the given material is soluble or insoluble in water.</p> <p><b>Experiment 4:</b> To show that an object lighter than water floats, whereas heavier than water sinks.</p>	<ul style="list-style-type: none"> <li>❖ Explain about the things and how they are made.</li> <li>❖ Illustrate about matter and what matter is made of.</li> <li>❖ Explain the importance of classification.</li> <li>❖ Explain the properties of materials.</li> <li>❖ Identify solid, liquid and gases by its intermolecular arrangement.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=FhRIMy7bmmM">https://www.youtube.com/watch?v=FhRIMy7bmmM</a></p> <p><b>PRESENTATION</b> <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing">https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing</a></p>	<p><b>SDG 8-</b> Decent Work and Economic Growth</p>

			<p><b>Activity:</b> To classify the given objects as transparent, translucent and opaque.</p>			
HALF YEARLY (SEP)	<b>Ch 3-Separation of substances</b>	<p>Chapter 7-Motion and Measurement of Distance.</p> <p>Chapter 1-Components of food.</p> <p>Chapter 2- Sorting materials into groups</p> <p>Chapter 3- Separation of substances</p> <p>Chapter 6-The Living Organisms-Characteristics and Habitats.</p> <p>Chapter 11-Air around us</p> <p><b>Half yearly exam date-</b> 13 September to 27 September</p> <p><b>Syllabus completion-</b> 2 September</p>	<p><b>Experiment 5:</b> To find out whether a given substance is soluble or insoluble in water..</p> <p><b>Experiment 6-</b>To prepare a saturated solution of common salt at room temperature and observe the effect of temperature on it.</p> <p><b>Activity:</b> To separate the constituents of a mixture containing sand and sugar.</p>	<ul style="list-style-type: none"> <li>❖ Explain the concept of mixture and its types.</li> <li>❖ Tell the different properties of mixtures.</li> <li>❖ Explain why separation is necessary</li> <li>❖ Explain various methods of separation</li> <li>❖ Explain importance of solubility and importance of water as solvent.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=eTe0a61IohE">https://www.youtube.com/watch?v=eTe0a61IohE</a></p>	<p><b>SDG 9.</b> Industry, innovation and infrastructure</p>

	<b>Chapter 6-The Living Organisms-Characteristics and Habitats.</b>		<p><b>Activity:</b> To show that sunlight acts as a stimulus for plants.</p> <p><b>Activity:</b> To see the effects of abiotic factors (like air, light, heat and water) on germination of seeds.</p>	<ul style="list-style-type: none"> <li>❖ Differentiate between biotic and abiotic components of environment</li> <li>❖ Illustrate habitat.</li> <li>❖ Explain different types of habitat.</li> <li>❖ Explain different adaptations and its types.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=UMA_4lIVgTE">https://www.youtube.com/watch?v=UMA_4lIVgTE</a></p> <p><b>PRESENTATION</b>  <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing">https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing</a></p>	<b>SDG 15.</b> Life on land
	<b>Ch 11-Air around us</b>		<p><b>Activity:</b> To show that air occupies space.</p> <p><b>Activity:</b> To show that soil contains trapped air.</p>	<ul style="list-style-type: none"> <li>❖ Explain about the atmosphere and its role.</li> <li>❖ Explain about the composition of air.</li> <li>❖ Tell how air supports life.</li> <li>❖ Explain about Oxygen cycle.</li> <li>❖ Explain the importance of ozone layer.</li> </ul>	<p><a href="https://dontmemorise.com/courses/air-around-us/#gref">https://dontmemorise.com/courses/air-around-us/#gref</a></p> <p><b>PRESENTATION</b>  <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing">https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing</a></p>	<b>SDG 13.</b> Climate Action
PT2 (NOV-DEC)	<b>Ch 4-Getting to know plants</b>	Chapter 4-Getting to know plants Chapter 9-Electricity and circuits PT-2 Syllabus completion : 12/11/2023	<p><b>Activity:</b> To show that water rises through the stem.</p> <p><b>Experiment 7:</b> To demonstrate that plants lose water through leaves.</p>	<ul style="list-style-type: none"> <li>❖ Classify herbs, shrubs and trees</li> <li>❖ Differentiate between root system and shoot system.</li> <li>❖ Explain the functions of root, stem and leaf.</li> <li>❖ Explain the structure of flower</li> <li>❖ Illustrate pollination</li> </ul>	<p><a href="https://www.youtube.com/watch?v=P0q7CbNlxBc">https://www.youtube.com/watch?v=P0q7CbNlxBc</a></p> <p><b>PRESENTATION</b>  <a href="https://drive.google.com/drive/folders/1SeK">https://drive.google.com/drive/folders/1SeK</a></p>	<b>SDG 13.</b> Climate Action

		PT 2 : 24/11/2023			<a href="https://www.youtube.com/watch?v=vlotVbzxrwg">ETjuEREQUY7g ohW4ggKRxm7 o5PyFT?usp=sharing</a>	
	<b>Ch 9-Electricity and circuits</b>		<p><b>Experiment 8:</b> To make a simple model of a torch.</p> <p><b>Experiment 9:</b> To find out whether a given material is a conductor or an insulator.</p>	<ul style="list-style-type: none"> <li>❖ Explain the concept of electric current.</li> <li>❖ Make symbols of various electric components</li> <li>❖ Make electric circuit using different electric components.</li> <li>❖ Explain different types of cell like (dry cell, button cell, solar cell)</li> </ul>	<p><a href="https://www.youtube.com/watch?v=vlotVbzxrwg">https://www.youtube.com/watch?v=vlotVbzxrwg</a></p> <p><b>PRESENTATION</b>  <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7g ohW4ggKRxm7 o5PyFT?usp=sharing">https://drive.google.com/drive/folders/1SeKETjuEREQUY7g ohW4ggKRxm7 o5PyFT?usp=sharing</a></p>	<b>SDG 7.</b> Affordable and clean energy
FINAL TERM (FEB)	<b>Ch 5- Body movements</b>	Chapter 4-Getting to know plants. Chapter 9-Electricity and circuits Chapter 5-Body movements. Chapter 8-.Light, shadows and reflection. Chapter 10-Fun With magnets.	<p><b>Activity:</b> To find out the different types of movements that our various body parts can make.</p> <p><b>Activity:</b> To show that we can bend or move our body only at those points where the bones meet.</p>	<ul style="list-style-type: none"> <li>❖ Understand organization and structure of body.</li> <li>❖ Explain human skeleton system.</li> <li>❖ State the functions of skeleton.</li> <li>❖ Identify the various joints of body and its movement of human and various animals.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=b8lhVKhAWis">https://www.youtube.com/watch?v=b8lhVKhAWis</a></p> <p><b>PRESENTATION</b>  <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7g ohW4ggKRxm7 o5PyFT?usp=sharing">https://drive.google.com/drive/folders/1SeKETjuEREQUY7g ohW4ggKRxm7 o5PyFT?usp=sharing</a></p>	<b>SDG 3.</b> Good health and well-being

		Chapter 1 - Components of food. <b>Final exam date-</b> From 15 February <b>Syllabus completion-</b> 31 January				
	<b>Chapter8-Light shadows and reflections</b>		<p><b>Experiment 10:</b> To show that light travels in a straight line.</p> <p><b>Experiment 11:</b> To make a simple model of a pin hole camera.</p> <p><b>Activity:</b> To show reflection of light from a plane mirror.</p> <p><b>Activity:</b> To show various shadows of a hand.</p>	<ul style="list-style-type: none"> <li>❖ Explain the importance of light to life on earth.</li> <li>❖ Demonstrate that light travels in straight line.</li> <li>❖ Identify transparent, translucent and opaque objects.</li> <li>❖ Explain shadows and eclipses.</li> <li>❖ Differentiate between shadows and images.</li> <li>❖ Tell the characteristics of plane mirror.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=OiR2zkDHrLU">https://www.youtube.com/watch?v=OiR2zkDHrLU</a></p> <p><a href="https://dontmemorise.com/courses/light-shadows-reflections/#gref">https://dontmemorise.com/courses/light-shadows-reflections/#gref</a></p> <p><b>PRESENTATION</b> <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing">https://drive.google.com/drive/folders/1SeKETjuEREQUY7gohW4ggKRxm7o5PyFT?usp=sharing</a></p>	<b>SDG 7.</b> Affordable and clean energy
	<b>Ch 10-Fun with magnets</b>		<p><b>Experiment 12:</b> To show that a freely suspended bar magnet always points in north-south direction.</p> <p><b>Activity:</b> To find whether a given</p>	<ul style="list-style-type: none"> <li>❖ Explain about magnets.</li> <li>❖ Differentiate between magnetic and non-magnetic properties.</li> <li>❖ Make a temporary magnet.</li> <li>❖ Explain the different uses of magnet.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=yXCeUSiTOug">https://www.youtube.com/watch?v=yXCeUSiTOug</a></p> <p><b>PRESENTATION</b> <a href="https://drive.google.com/drive/folders/1SeKETjuEREQUY7g">https://drive.google.com/drive/folders/1SeKETjuEREQUY7g</a></p>	<b>SDG 9.</b> Industry, innovation and infrastructure

			<p>object is magnetic or non-magnetic.</p> <p><b>Activity:</b> To show that like poles repel and unlike poles of a magnet attract each other.</p>		<a href="https://www.youtube.com/watch?v=ohW4ggKRxm7o5PyFT?usp=sharing">ohW4ggKRxm7o5PyFT?usp=sharing</a>	

\*Science week-6 to 17 November

\*Presentation week-18 to 25 April

\*The above mentioned dates are tentative.