

Himalaya International School
Syllabus (2025-26)
Subject-Science
Class VII

Books to be followed - Learning Science (Creative kids)

<u>April</u>	Lesson-1: Nutrition in Plants Lesson-2: Nutrition in Animals Lab activity (i) To show that chlorophyll is necessary for photosynthesis. (ii) To study the effects of saliva on food. (iii) To test a leaf for starch
<u>May</u>	Lesson-3: Structure of Matter Lab activity (i) Separation of iron and Sulphur by physical method. (ii) To test that energy is absorbed or released during the formation of compound. PRE-MID TEST Lesson-1: Nutrition in Plants. Lesson-3: Structure of Matter
<u>July</u>	Lesson- 4: Heat and Its Effects Lesson- 5: Flow of Heat Lab Activity (i) Show that gas expands on heating and contracts on cooling. (ii) To show the process of convection. (iii) To show that some materials are conductors of heat and some are insulators
<u>August</u>	Lesson 6: Acids, Bases and Salts Lesson 7: Physical and Chemical Changes Lab activity- (i) To show that, in a chemical change, one or more substances with entirely new chemical composition and properties are formed. (ii) To show that burning of

	<p>magnesium metal is a chemical change.</p> <p>(iii) Reaction of an acid with a base</p>
<u>September</u>	<p>Revision and Mid Term Examination.</p> <p><u>MID-TERM EXAMINATION</u></p> <p>Lesson-2: Nutrition in Animals</p> <p>Lesson-4: Heat and its Effects</p> <p>Lesson-5: Flow of Heat</p> <p>Lesson-6: Acids, Bases and Salts</p> <p>Lesson-7: Physical and Chemical Changes</p> <p>(Evaluation will be done on the basis of Activities and Notebook)</p>
<u>October</u>	<p>Lesson-8: Respiration</p> <p>Lab activity:</p> <p>Lesson-15: Wastewater Management</p> <p>(i) To show that tap water contains dissolved minerals.</p> <p>(ii) To show that tap water contains dissolved gases.</p> <p>(iii) To show carbon dioxide is released during respiration.</p>
<u>November</u>	<p>Lesson-11: Motion and Time</p> <p>Lesson-12: Light</p> <p>Lab Activity:</p> <p>(i) To study the nature of images formed by smooth curved surfaces.</p> <p>(ii) To determine the time period of a simple pendulum.</p> <p>(iii) To show that white light consists of seven colours</p> <p><u>POST-MID TEST</u></p> <p>Lesson- 8: Respiration</p> <p>Lesson- 11: Motion and Time</p>
<u>December</u>	<p>Lesson- 10: Reproduction in Plants</p> <p>Lesson- 14: Our Forests</p> <p>Lab Activity:</p> <p>(i) To dissect a flower and observe the parts.</p> <p>(ii) To study the slides of hydra and paramecium</p>

<p><u>January</u></p>	<p>Lesson-13: Electric Current and its Effects</p> <p>Lab Activity:</p> <p>(i) To make an electric circuit.</p> <p>(ii) To show the heating effect of electric current in an electric bulb.</p> <p>(iii) To show that a current carrying wire behaves like a magnet</p>
<p><u>February</u></p>	<p>Lesson- 9: Transportation of Materials in Plants and Animals</p> <p>Lab Activity:</p> <p>(i) To demonstrate the phenomenon of transpiration occurs through leaves.</p> <p><u>ANNUAL EXAMINATION</u></p> <p>Lesson- 9: Transportation of Materials in Plants and Animals</p> <p>Lessons- 10: Reproduction</p> <p>Lessons- 12: Light</p> <p>Lessons-13: Electric Current and its Effects</p> <p>Lesson- 14: Our Forests</p> <p>(Evaluation will be done on the basis of Activities and Notebook)</p>