

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

**Book: - Living Science (Ratna Sagar)**

<b><u>April</u></b>	<b>Chapter 1 – Crop Production</b> <b>Chapter 3 – Coal and Petroleum</b> <b><u>Lab activities:</u></b> <b>1. Take three containers, put soil in all and place a few seeds in each container at different depths like 3cm, 6cm and 9cm. Water them every day and observe the germination in each container and discuss.</b> <b>2. To find out which seeds are healthy and which are unhealthy from sample of seeds.</b>
<b><u>May</u></b>	<b>Chapter 8 – Force and Pressure</b> <b><u>Lab activities:</u></b> <b>1. To show that electrostatic force is a non-contact force.</b> <b>2. To show that liquids exert equal pressure at the same depth.</b> <b><u>Pre-mid Test</u></b> <b>Chapter 1 – Crop production</b> <b>Chapter 3 – Coal and Petroleum</b>
<b><u>July</u></b>	<b>Chapter 2 – Microorganisms</b> <b>Chapter 5 - Conservation of Plants and Animals</b> <b><u>Lab activities:</u></b> <b>1. To show carbon dioxide is released during fermentation.</b> <b>2. Put some baker's yeast in warm sugar solution. Leave it undisturbed for 2-3 hours. Put one drop of it on a clean glass slide and examine the fluid under a microscope. Discuss your observation with your peers.</b>

<p><b><u>August</u></b></p>	<p>Chapter 4 - Combustion and Flame Chapter 6- Reproduction <b><u>Lab activities:</u></b> 1. To show that oxygen (air) is necessary for combustion of combustible substances. 2. To show that combustible substance does not catch fire if its temperature is lower than its ignition temperature.</p>
<p><b><u>September</u></b></p>	<p>Revision and mid – term examination <b><u>Mid – Term Exam</u></b> Chapter 2 - Microorganisms Chapter 4 – Combustion and Flame Chapter 5- Conservation of Plants and Animals Chapter 6- Reproduction Chapter 8 – Force and Pressure</p>
<p><b><u>October</u></b></p>	<p>Chapter 12 – Chemical Effects Of Electric Current <b><u>Lab Activities:</u></b> 1. To show that the addition of salts, acids and bases make the distilled water a good conductor of electricity. 2. To find whether a given liquid is a good conductor of electricity or a poor conductor of electricity.</p>
<p><b><u>November</u></b></p>	<p>Chapter 7 – Reaching the Age of Adolescence Chapter 9 - Friction <b><u>Lab activities:</u></b> 1. To show that rolling friction is less than the sliding friction in magnitude. 2. To compare the tensile strength of different fibres of the same thickness and the same length.</p>

	<b><u>Post – Mid Test</u></b> Chapter 7 – Reaching the age of adolescence Chapter 12 – Chemical effects of electric current
<b><u>December</u></b>	Chapter 10 – Sound Chapter 12 – Some Natural Phenomena <b><u>Lab activities:</u></b> 1. To show that sound requires a medium to travel. 2. To show that vibrating tuning fork produces sound.
<b><u>January</u></b>	Chapter 13 – Reflection of Light <b><u>Lab activities:</u></b> 1. To verify the laws of reflection. 2. To observe images formed by mirrors at an angle to each other.
<b><u>February</u></b>	Chapter 14 - Refraction And Dispersion Of Light <b><u>Lab Activities:</u></b> 1. To show the presence of blind spot of an eye. 2. To show the splitting of white light into seven constituent colours by using prism.
<b><u>Annual Examination</u></b>	Chapter 9 – Friction Chapter 10 - Sound Chapter 11– Some Natural Phenomena Chapter 13 – Reflection of Light Chapter 14- Refraction and Dispersion of Light (Evaluation will be done on the basis of Activities and Notebook)