

**VIDYA PRATISHTHAN'S NEW BAL VIKAS MANDIR, PIMPLI BARAMATI**

**Annual Curriculum Plan of Science (2023-24)**

Std: VII A, B & C

<b>April</b>	<b>Ch. No.1 Nutrition in plants</b>	<p>i. Students will be able to understand the different modes of nutrition like Autotrophic, Heterotrophic and Saprophytic etc.</p> <p>ii. Students will be able to know the process of Photosynthesis and the synthesis of plant food other than the Carbohydrates.</p> <p>iii. Students will be able to know how nutrients are replenished in the soil.</p>	<b>Lab activity:</b> Students will perform an experiment to study structure of stomata under the microscope
<b>June</b>	<b>Ch. No. 4. Heat</b>	<p>i. Students will be able to know the measurement of Temperature with the help of a thermometer.</p> <p>ii. Students will be able to learn how to read the thermometer.</p> <p>iii. Students will understand the concept of Transfer of heat- Conduction, Convection, and radiation.</p> <p>iv. Students will be able to understand the reason behind different kinds of clothes worn in the summer and winter seasons.</p>	<b>Lab activity:</b> Students will perform an experiment to study conduction and convection of heat.
<b>First Unit Test</b>			
<b>July</b>	<b>Ch.No. 2 Nutrition in Animals</b>	<p>i. Students will learn the different organs involved in the human digestive system and the process of digestion.</p> <p>ii. Students will be able to understand the process of digestion in Ruminants and feeding and digestion in Amoeba.</p>	Students will make a model of human digestive system.



<p><b>December</b></p>	<p><b>Ch. No. 18 Waste Water Story (Internal Assessment)</b></p> <p><b>Ch. No. 11 Transportation in plants and Animals.</b></p>	<p>i Students will be able to understand sewage and the treatment of polluted water. ii Students will be able to know the working of waste water treatment plant. iii Students will be able to know about the diseases caused due to poor sanitation.</p> <p>i. Students will be able to learn the structure of the Human Heart and Circulatory system. i. Students will be able to understand the excretory system of human. i. Students will be able to explain the transportation through vascular tissue in plants and transpiration process.</p>	<p>Discussion on E-waste, their effects on environment and preventive measures to reduce its use.</p> <p>Prepare an emergency card with your name address phone number and blood group</p>
<p><b>January</b></p>	<p><b>Ch. No. 14 Electric Current and its Effects</b></p>	<p>i. Students will be able to know electric components and their symbols. ii. Students will be able to understand the heating effect and magnetic effect of electric current. iii Students will be able to explain the working of the electric bell.</p>	<p>Students will study domestic electric bill and will paste in notebook.</p> <p><b>Lab activity:</b> To make an electromagnet</p>
<p><b>February</b></p>	<p><b>Ch. No. 15 Light</b></p>	<p>i. Students will be able to understand the concept of reflection of light. ii. Students will observe the types of images formed by a plane, concave and convex mirror. Students will observe the types of images formed by a concave and convex lens.</p>	<p>Students will perform an Activity to observe the characteristics of an image formed by a concave mirror when an object is placed at different distances from it. (Textbook page no.182).</p>

