

2 Year Cycle for Science for Class 3

Y1 = 2014-15

Y2 = 2015-16

Year 1	Year 2
<p>Keeping Healthy (whole term) To include :main parts of human circulatory System, impact of drugs, diet lifestyle on body, way nutrients are transported in animals and humans</p>	<p>Properties of and changes in materials (whole term) To include: hardness, solubility, transparency, Conductivity, reaction to magnets. Dissolving and recovering a solid from a liquid. Separation including filtering, sieving and Evaporating. Reversible and irreversible change. New materials formed by a reaction.</p>
<p>Earth, Moon & Sun To include: Movement of earth/planets relative to Sun and moon relative to earth. Sun, moon and earth as spherical. The earths rotation to explain day and night and Movement of sun across the sky.</p>	<p>Electricity To include: associate brightness of bulb with number of cells in circuit. Compare and give reasons for variations of how components function. Use recognised symbols when representing a circuit in a diagram.</p>
<p>How we see things To include: Light travels in straight lines, how the eye operates, the fact that light travels in straight lines to explain why shadows are the same shape as the objects that cast them.</p>	<p>Interdependence and Adaption To include: Evolution, living things having changed over time. Fossils and what they tell us. Offspring are similar but not identical. Adaptation to environment.</p>
<p>Balanced and Unbalanced forces (whole term) To include: Gravity, effect of air resistance, water resistance and friction on moving objects and different surfaces. The fact that mechanisms can allow a smaller force to have a greater effect including levers, pulleys and gears. (Link with d/t)</p>	<p>Life Cycles (full term) To include: life cycle of mammal, amphibian, bird, insect, plant. Process of reproduction plants and animals. How we change as we reach different stages of life. Classification into broad groups on observable features. Give reasons for classification based on specific characteristics.</p>