Subject Skills Progression



Subject Skills Progression



Knowledge: Plants & living

things







Knowledge: Animals inc. humans





Year 4

I can describe the simple functions of the basic parts of the digestive system in humans. I can identify the different types of teeth in humans and their simple functions. I can construct and interpret a variety of food chains, identifying producers, predators and prey.

<u>Year 5</u>

I can describe the changes as humans develop to old age.

<u>Year 6</u>

I can identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. I can recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function. I can describe the ways in which nutrients and water are transported within animals, including humans.

Additional Enrichment	
Nursery—Travelling Zoo Reception—F	reshwater Theatre Space Workshop, Teach Rex (Dinosaurs)
Year 1—Hobbledown	Year 2—Wisley life cycles and habitats
Year 3—Painshill	Year—Winchester Science Centre





Knowledge: Evolution & Inheritance





Knowledge: Sound

Year 4

I can identify how sounds are made, associating some of them with something vibrating.

I can recognise that vibrations from sounds travel through a medium to the ear.

I can find patterns between the pitch of a sound and features of the object that produced it.

I can find patterns between the volume of a sound and the strength of the vibrations that produced it.

I can recognise that sounds get fainter as the distance from the sound source increases.



Knowledge: Seasonal changes / Earth & Space



Knowledge: Seasonal changes / Earth & Space



Knowledge: Materials



Knowledge: Materials

Year 4

I can compare and group materials together, according to whether they are solids, liquids or gases. I can observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C). I can identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature. I can recognise some common conductors and insulators, and associate metals with being good conductors. (Y4 - Electricity)

Year 5

I can compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. I know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. I use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. I give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic. I demonstrate that dissolving, mixing and changes of state are reversible changes. I explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.







Knowledge: Electricity

Year 4

I can identify common appliances that run on electricity. I can construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. I can identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery. I can recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit. I can recognise some common conductors and insulators, and associate metals with being good conductors.









Knowledge: Forces





