

## Year 6 Science Progression in Skills and Knowledge

Autumn 1: Animals including humans
<ul> <li>identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</li> </ul>
<ul> <li>recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</li> </ul>
<ul> <li>describe the ways in which nutrients and water are transported within animals, including humans</li> </ul>
Autumn 1: Evolution and inheritance
<ul> <li>recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</li> </ul>
<ul> <li>recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents</li> </ul>
<ul> <li>identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> </ul>
Spring 1 and 2: Properties and changes in materials
<ul> <li>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</li> </ul>
<ul> <li>know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution</li> </ul>
<ul> <li>use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</li> </ul>
<ul> <li>give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic</li> </ul>
<ul> <li>demonstrate that dissolving, mixing and changes of state are reversible changes</li> </ul>
<ul> <li>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</li> </ul>
the action of acid on bicarbonate of soda.
Summer 1: Electricity
<ul> <li>associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</li> </ul>
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