

Science Coverage UKS2

Navigators

Term	Cycle 1	Cycle 2
Autumn 1	<p align="center">LMTW You're Not Invited History Unit</p>	<p align="center">In Your Element Earth, Air, Water. Fire</p> <p>Materials Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature Understand the effects of water and fire on certain materials and link this to their uses</p>
Autumn 2	<p align="center">Music, Lights, Action!</p> <p>Light Understand that light appears to travel in straight lines Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes</p> <p>Electricity Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit Science UKS2 NC Objectives Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches Use recognized symbols when representing a simple circuit in a diagram.</p>	<p align="center">Spaced Out!</p> <p>Earth and Space Describe the movement of the Earth relative to the Sun in the solar system Describe the movement of the Moon relative to the Earth Describe the Sun, Earth and Moon as approximately spherical bodies Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky</p>

<p style="text-align: center;">Spring 1</p>	<p style="text-align: center;">Abracadabra!</p> <p>Properties and Changes of Materials 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. Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution. Compare and group together everyday materials based on evidence from comparative and fair tests, including their hardness, solubility, conductivity (electrical and thermal), and response to magnets Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic Demonstrate that dissolving, mixing and changes of state are reversible changes</p>	<p style="text-align: center;">The Band Played On</p> <p>Objects in Water Know that some objects float in water while others sink Understand why some objects float in water while others sink</p>
<p style="text-align: center;">Spring 2</p>	<p style="text-align: center;">Full of Beans Place and Time/ science</p> <p>Electrifying Energy Identify common appliances that run on electricity Understand the term 'energy' and identify a range of different renewable and non-renewable energy sources</p>	<p style="text-align: center;">Eco Warriors Geography Unit</p>
<p style="text-align: center;">Summer 1</p>	<p style="text-align: center;">Walk Like an Egyptian</p> <p>Earth and Space Know that the sun moves across the sky during the day Understand how the Earth's rotation can be used to explain day and night</p>	<p style="text-align: center;">Location, Location, Location Geography Unit</p>

Summer 2	<p style="text-align: center;">That's Life Episode 1</p> <p>Animals including Humans Describe the changes as humans develop to old age Identify and name the main parts of the human circulatory system, and explain the functions of the heart, blood vessels and blood Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function Describe the ways in which nutrients and water are transported within animals, including humans.</p>	<p style="text-align: center;">That's Life Episode 2</p> <p>Evolution and Inheritance Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution</p> <p>Living things and their Habitats Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals the life process of reproduction in some plants and animals Give reasons for classifying plants and animals based on specific characteristic</p>
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