

Year 6 Coverage

SCIENCE

How we see things

- recognise 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
- 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
- use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them

Electricity

- associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
- 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 recognised symbols when representing a simple circuit in a diagram

Evolution and inheritance

- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
- 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

Grouping animals/plants /Micro-organisms

- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms
- give reasons for classifying plants and animals based on specific characteristics.

Staying alive- circulation

- identify and name the main parts of the human circulatory system, and describe 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

HISTORY

Topics

World War 2
Whole school topic-
Decade 1980
Mayans

NC Links...

- a study of an aspect or theme in British history that extends pupils chronological knowledge beyond 1066
- a significant turning point in British history, for example, the Battle of Britain
- non-European society that provides contrasts with British history

GEOGRAPHY

Topics

Counties and cities
North America
Fair trade-St Lucia

NC Links...

- name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time
- understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, and a region in North America
- describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water

RE

Topics

What is important to
Christians?
What is does it mean to
be a Sikh?
Can charity change the
world?
What is compassion?

NC Links...

ART

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| <u>Topics</u> Architecture Pop art- Roy Lichenstein Textiles- Rachel Parker | <u>NC Links...</u> <ul style="list-style-type: none">• Know about great artists, architects and designers in history. |
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| <u>Topics</u> Cooking Electrical components Textiles | <u>NC Links...</u> <ul style="list-style-type: none">• understand and apply the principles of a healthy and varied diet• cook a repertoire of predominantly savoury dishes so that they are able to feed themselves and others a healthy and varied diet• become competent in a range of cooking techniques [for example, selecting and preparing ingredients; using utensils and electrical equipment; applying heat in different ways; using awareness of taste, texture and smell to decide how to season dishes and combine ingredients; adapting and using their own recipes]• understand the source, seasonality and characteristics of a broad range of ingredients• understand and use electrical systems in their products |
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COMPUTING

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| <u>Topics</u> APP design | <u>NC Links...</u> <ul style="list-style-type: none">• elect, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. |
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PE

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| <u>Topics</u> Handball Athletics Rounders | <u>NC Links...</u> <ul style="list-style-type: none">• use running, jumping, throwing and catching in isolation and in combination• play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending |
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| Gymnastics Swimming | <ul style="list-style-type: none">• develop flexibility, strength, technique, control and balance• perform dances using a range of movement patterns• take part in outdoor and adventurous activity challenges both individually and within a team• compare their performances with previous ones and demonstrate improvement to achieve their personal best.• swim competently, confidently and proficiently over a distance of at least 25 metres• use a range of strokes effectively• perform safe self-rescue in different water-based situations. |
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