



Science

Science Electricity

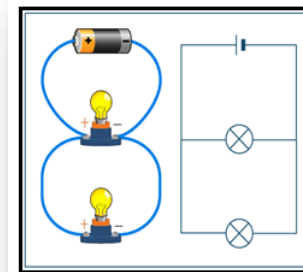
Worbarrow
Class

Key Learning

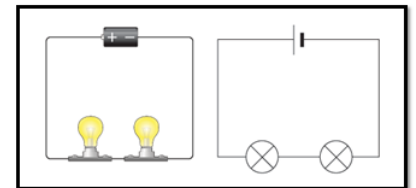
- ✓ Know the circuit symbols for bulb, switch, cell, wire, motor and buzzer.
- ✓ Know that in a series circuit more cells make lights brighter or buzzers sound louder.
- ✓ Know that as the number and voltage of cells in a circuit increases, the brightness of a bulb or the volume of a buzzer will increase.
- ✓ Know that too high a voltage may 'blow' the bulb or buzzer.

Key Vocabulary

Word	Definition
series circuit	a single pathway through which electricity can flow
cells	an electrical power supply; a store of energy
voltage	a measure of the power of a cell to produce electricity
switch	something that enables the flow of electricity to be turned on and off
parallel circuit	multiple pathways which divide the flow of electricity



PARALLEL



SERIES



Science

Science

Living Things and their Habitats

Worbarrow
Class

Key Learning

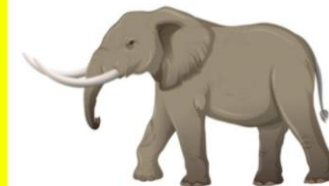
- ✓ To know the difference between vertebrates and invertebrates
- ✓ To know the five vertebrate groups (fish, bird, mammal, reptile, amphibians)
- ✓ To know that there are three types of microorganism: viruses, fungi and bacteria.

Key Vocabulary

Word	Definition
Microorganism	An organism that can only be seen through a microscope.
Virus	Tiny particles that cause disease in people, other animals and plants.
Thorax	The middle section of a body.
arthropod	Animals that have a hard outside covering called an exoskeleton.

Vertebrate

Animal with a backbone.



Invertebrate

Animal without a backbone.





Religious Education

Hinduism

Worbarrow
Class

Key Learning

- Moksha is the freedom from the cycle of birth-death-rebirth.
- Hindus believe that much of life is about seeking out the kind of advice and guidance which will help them make the right choices in life and gather good karma.
- There is no religious text for Hindus but one of the best-loved sacred texts is called the Bhagavad Gita.
- Hindus believe that there are lots of different spiritual pathways (yogas) to allow them to reach Moksha – knowledge, action, devotion, mind.
- Arjuna had a dilemma about what to do as he had to fight family but this was the right thing to do as it was his duty.
- Many children learn about Hinduism through stories either in written form e.g. comics, or from family members.

Key Vocabulary

Word	Definition
Moksha	release from the cycle of rebirth impelled by the law of karma.
Murti	an image of a deity, which itself is considered divine.
Devotion	love, loyalty, or enthusiasm for a person or activity.
Liberation	the action of setting someone free from imprisonment, slavery, or oppression
Karma	the sum of a person's actions in this and previous states of existence, viewed as deciding their fate in future existences.





Religious Education

Christianity: Salvation

Worbarrow
Class

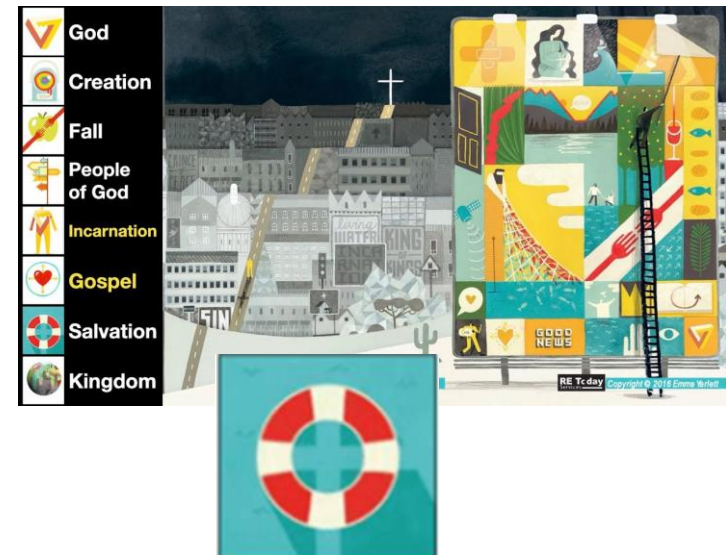
Key Learning

What difference does the resurrection make to Christians?

- To outline the timeline of the 'big story' of the Bible, explaining the place within it of the ideas of Incarnation and Salvation.
- To explore the Gospel accounts of Jesus' death and resurrection.
- To know that Christians remember Jesus' sacrifice through the service of Holy Communion.

Key Vocabulary

Word	Definition
Sacrifice	the act of giving up something of great value to show loyalty or deep affection
Resurrection	the act or fact of bringing someone back to life, or bringing something back into use or existence
crucifixion	a method of torture and capital punishment that was used to execute people . In a crucifixion, the victim's body is nailed to a cross or beam, then they are left on display until they die.





Geography

Geography

Climates and Sustainability

Worbarrow
Class

Key Learning

Key Vocabulary

- ✓ To know the names of, and locate, Japan, India, Australia, New Zealand, Ethiopia, Somalia, Turkey, Argentina, Peru – and their capital cities.
- ✓ To identify the position of the Northern and Southern Hemispheres on a globe.
- ✓ To know that hemisphere means 'half a sphere'.
- ✓ To know that the Northern Hemisphere has more land area than the Southern Hemisphere, the majority of the Earth's population and the largest cities in the world.
- ✓ To know that a climate zone is an area of the world that has its own distinct climate.
- ✓ To know that there are climate zones across the world:
- ✓ To know that the climate of the UK is temperate.
- ✓ To know that climate change is a scientifically observable phenomena caused by human behaviours.
- ✓ To know that weather is becoming more extreme because of climate change.
- ✓ To understand that the effects of flooding in India have been made worse due to human activity, such as building, urbanisation, river manipulation, construction of bridges and reservoirs, agricultural practices, deforestation, land use changes.
- ✓ To know that burning fossil fuels creates carbon dioxide which causes climate change.

Word	Definition
Biomes	the community of plants and animals that occur naturally in an area
Longitude	The separating lines that travel over the planet creating time zones
Latitude	The separating lines that travel around our planet e.g. Equator and the Tropics
Global Warming	the increase in the planet's overall average temperature in recent decades
Urbanisation	the process of making an area more urban (built up with buildings and roads etc)





Art Sculpture

Worbarrow
Class

Key Learning

- ✓ Know how to mould and join pieces of clay together effectively.
- ✓ Know how to use slip to add a handle.
- ✓ Understand that artists make choices about the techniques and colours they use to achieve specific effects.

Key Vocabulary

Word	Definition
mould	to shape something into a particular form
join	to connect or attach
slip	liquid clay that is a mix of clay in water
technique	various methods used by artists to create their works
effect	something that changes the appearance of art/media



Grayson Perry is an English contemporary artist, known for his ceramic vases.



Design Technology Cooking and Nutrition

Worbarrow
Class

Key Learning

- ✓ Understand that raw food sometimes has additional hygiene rules linked to food preparation.
- ✓ Understand the need for correct storage of different types of food.
- ✓ Know that most fruit and vegetables are at their best at the time of year it is harvested.
- ✓ Know when to use different knife grips.
- ✓ Know that a recipe can be adapted to improve it.

Key Vocabulary

Word	Definition
raw	not cooked
food hygiene	guidelines to reduce risk of food-related illness
food preparation	making ingredients ready for cooking and eating
harvest	when a crop has grown and is ready to eat
adapt	the process of changing something

Do you know where your food should be kept?

To make sure food stays fresher for longer, foods should be kept in the correct places.

