



Year 4 Autumn 2

Knowledge Organiser



Geography We will be identifying geographical similarities and differences of London and Rome.

Key Knowledge

London and Rome have a variety of similarities and differences.

There are a variety of physical and human features in each region.

A physical geographical feature is natural and not man-made.

A human geographical feature is man-made.

Key Vocabulary

physical features,

human features,

similarities,

differences,

London,

Rome,

capital city.

Science We will be learning about electricity this half term.

Key Knowledge

Many household devices and appliances run on electricity. Some plug in to the mains and others run on batteries.

An electrical circuit consists of a cell or battery connected to a component using wires.

If there is a break in the circuit, a loose connection or a short circuit, the component will not work.

A switch can be added to the circuit to turn the component on and off.

Metals are good conductors so they can be used as wires in a circuit.

Non-metallic solids are insulators except for graphite (pencil lead).

Water, if not completely pure, also conducts electricity.

Key Vocabulary

Electricity, electrical appliance/device, mains, plug, electrical circuit, complete circuit, component, cell, battery, positive, negative, connect/connections, loose connection, short circuit, crocodile clip, bulb, switch, buzzer, motor, conductor, insulator, metal, non-metal, symbol

Music We will be learning how to compose a tune in Music based on the Ancient Egyptians.

Key Knowledge

That simple pictures can be used to represent the structure (organisation) of music.

That a slow tempo and a minor key (pitch) can be used to make music sound sad.

Key Vocabulary

features

notation

repeating

unison

composition

structure

tempo

melody

minor key

DT We will be using our knowledge of electrical systems to design and create a torch.

Key Knowledge

To understand that electrical conductors are materials which electricity can pass through.
To understand that electrical insulators are materials which electricity cannot pass through.
To know that a battery contains stored electricity that can be used to power products.
To know that an electrical circuit must be complete for electricity to flow.

Key Vocabulary

Electrical system
Components
Design criteria
Assemble

PSHE—We will be learning about how to respond safely to adults that we do not know.

Key Knowledge

You should not speak to or agree to meet up with strangers.
You should tell someone if a stranger, online and in person, tries to contact you and/or makes you feel uncomfortable.

Key Vocabulary

Trusted adults
Strangers
Contact

RE—We will be learning about why most Christians call Jesus 'Saviour' and learning about Jesus through nativity stories.

Key Knowledge

Most Christians refer to Jesus as 'Saviour'.
The nativity story teaches Christians about Jesus.

Key Vocabulary

Saviour
Immanuel

Other relevant information for this half term

English—This term we will be exploring the story of 'Marcy and the Riddle of the Sphinx' by Joe-Todd Stanton and using it to inspire our own narratives.

Spelling— It is vital that children learn the year 3/4 statutory spellings and know the spelling rules associated with these words to apply to new and unfamiliar spellings. We will study these spellings and those with similar spelling rules and letter patterns in both spelling and handwriting lessons.

Reading— We cannot stress enough that children need to read and have their reading diaries signed 5 times a week. Children who don't read at home will read in Catch Up Club.

Maths— Multiplication and division will be the focus for this half term, along with finding the area of a shape. There will also be a large emphasis on learning the times tables ready for the multiplication check.

PE—The focus this term is invasion games. Children must have their full PE kits available in school every day.

Computing—This half term we will be focusing on logo and animation.

French—We will be learning about places within our town and continuing to learn commands in French.

Art—We will be learning all about structures. Our final piece will be an Egyptian mask.