

## **Knowledge Organisers**

### **2<sup>nd</sup> Summer Term**

**Art/DT**

**French**

**Geography**

**History**

**Music**

**PE**

**PSHE**

**RE**

**Science**

**Avocets – Year 4**

## Knowledge Organiser –Bedtime Nightlight - Design Technology - Year Four

### Key Vocabulary:

Series circuit	The path through which electricity passes.
Switch	A component that can disconnect or connect the conducting path in an electrical circuit.
Bulb	An electric light with a wire filament heated until it glows. The filament is enclosed in a bulb. Current is supplied to the filament by terminals or wires embedded in the glass.
Crocodile clip	A conical metal clip with two serrated jaws used attached to an electric cable for making a temporary connection to a battery or other component.
Input device	Components that are used to control an electrical circuit (switches).
Output device	Components that produce an outcome (bulbs, buzzers).
Purpose	The reason for which something is done or created or for which something exists.
Function	The purpose of a product.
Prototype	A model made to test whether a design will work.
Design criteria	<b>Design criteria</b> are the precise goals that a project must achieve in order to be successful.

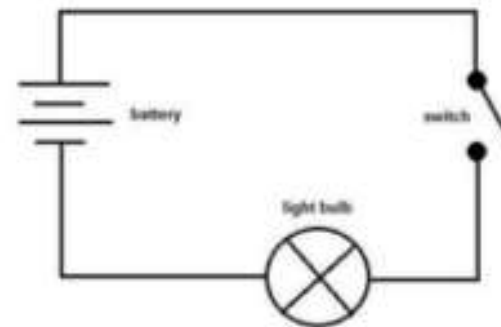
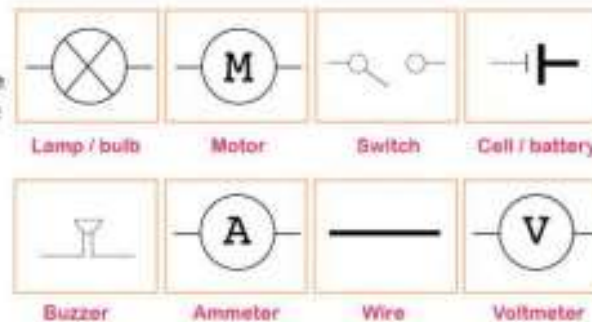
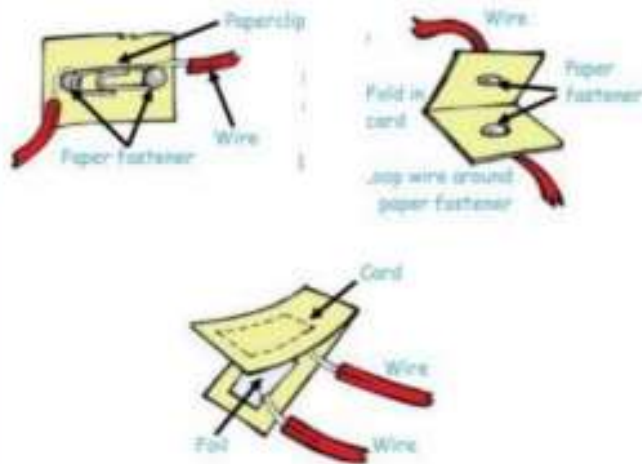
### Key Knowledge:

To understand how switches work in a series circuit.
To understand the features of a torch.
To know how to write a design plan for a specific client and their needs.
To know what prototypes are and why they are important.
To know how to apply DT and electrical knowledge to build a nightlight.



Circuit for a torch

There are different ways of making handmade switches. They involve using a conducting material between two wires that would complete the circuit when pushed together.



Nightlights



# Knowledge Organiser Year 4 French Unit 12: Le cirque

Key Language	English
la France	France
la Suisse	Switzerland
la Martinique	Martinique
le Canada	Canada
le Maroc	Morocco
le Sénégal	Senegal
Je parle anglais/français.	I speak English/French.
Je ne parle pas anglais/français.	I don't speak English/French.
un pantalon	a pair of trousers
un t-shirt	a t-shirt
un chapeau	a hat
une veste	a jacket
une chemise	a shirt
une jupe	a skirt
Je porte un pantalon noir.	I'm wearing black trousers.



J'habite au Canada. Je porte une jupe blanche et une veste noire.



J'habite au Sénégal. Je porte un t-shirt rose.



J'habite en Suisse. Je porte une chemise bleue et un chapeau blanc.

## KEY QUESTIONS

Tu parles quelles langues?	Which languages do you speak?
Qu'est-ce que tu portes?	What are you wearing?
C'est de quelle couleur?	What colour is it?

### Knowledge Organiser - Asia: India and China – Geography - Year 4

Key Vocabulary	Definition
Taj Mahal	One of the most famous monuments in India. Built by Shah Jahan in 1653 as a tomb for his wife.
Indus River	One of the longest rivers in Asia.
Indus Valley Civilisation	An ancient civilisation that flourished in the Indus River valley, from about 2500 to 1500 B.C.
River Ganges	A river that runs through the north-east of India. The Ganges is a sacred river in the Hindu religion.
Shanghai	The largest city in China.
Great Wall of China	A defensive wall built through China to protect it from invaders.
Qin dynasty	The Chinese dynasty from 246 B.C. to 206 B.C., that created the first government and built much of the great wall.

Key Knowledge
I know that India and China are both countries in the continent of Asia.
I understand that India's landscape is diverse.
I know the Indus and Ganges Rivers are important Indian Rivers
I know the physical and human features of China.
I understand The Great Wall of China was built to defend China.

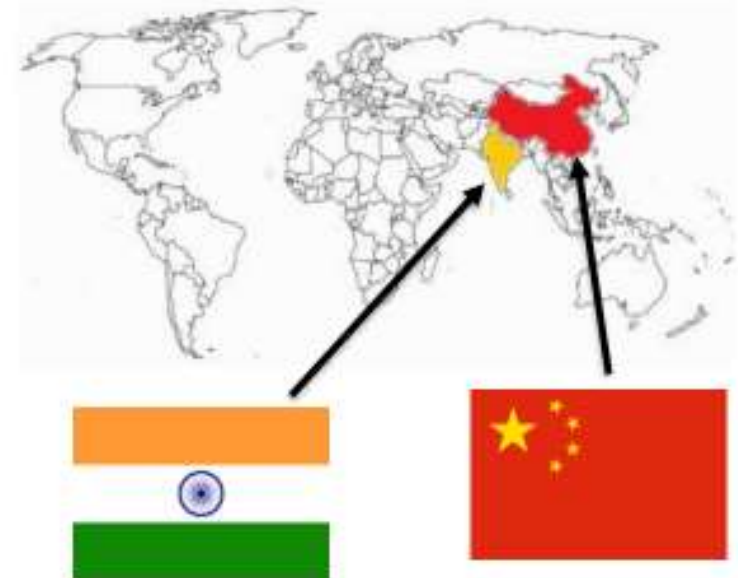


The River Ganges



The Great Wall of China

	India	China
Population	1.3 Billion	1.4 Billion
Capital City	New Delhi	Beijing
Main Language	Hindi	Mandarin
Main Religions	Hinduism, Islam, Buddhism and Sikhism	Officially Atheist



## Knowledge Organiser - The Glorious Revolution – History - Year 4

Key Vocabulary	Definition
Parliament	In the UK: the highest legislature
Catholic	A member of the Roman Catholic Church
Protestant	a member or follower of any of the Western Christian Churches
Rebellion	the action or process of resisting authority,
Treason	A crime of betraying a country
Bill of Rights	A set of laws written in 1689 to say what a king or queen could or could not do.
Democracy	A form of government and people have a say about how it is run by voting
Absolute monarchy	An absolute monarch has total power over its people and land.
Constitutional monarchy	an elected government that runs the country

Key Knowledge
I know about the life and reign of James II.
I understand the events of the Monmouth Rebellion and why it happened.
I know how William of Orange and his wife Mary became monarchs.
I know why the Bill of Rights was passed.
I understand what the monarchy is like today.



King James II



Key Vocabulary	Definition
The Beatles	A pop group which was very popular in the 1960s and the most successful band ever. The Beatles had four members in their band: John Lennon, Paul McCartney, George Harrison and Ringo Starr.
influence	When musical ideas from one group or time are used and developed in later pieces of music by (usually) different people.
riff	A short repeated phrase, often played on a lead instrument such as guitar.
glockenspiel	A musical instrument – played by striking a row of small metal bars of different lengths with beaters.



### We are Good Listeners!

In our Music lessons we can...



- Listen with an **open mind** to new music.
- Listen with **respect** to other pupils' ideas.
- Listen **thoughtfully** to other pupils' performances.
- Listen with **awareness** when playing or singing in a group.
- Listen **carefully** to instructions.




### Ask me this...

- Can you work out the plan or **structure** of a song and hear how many verses and choruses it has?
- Have you tried to improvise when singing?

## Knowledge Organiser – PE – Health & Fitness/Cricket - Year Four

Key Vocabulary	Definition
<b>Heart Rate</b>	Your heart rate is the number of times your heart beats per minute (bpm). A normal heart rate is between 60 and 100 while you're resting.
<b>Fitness</b>	The state of being physically fit and healthy. Different activities can require different types of fitness.
<b>Bowler</b>	The player who delivers the ball towards the batsman's wicket.
<b>Wicket keeper</b>	The fielder who plays close behind the batsman's wicket, usually equipped with pads and gloves.

Skill Development	
Skill development	To develop the range of cricket skills you can apply in a competitive situation.
Tactics	To choose and use a range of simple tactics independently and in a competitive situation.
Skill application	To practise skills of batting and fielding and apply them in game situations.

Skills	
Heart Rate	
Runs	
Wicket keeper	

## Knowledge Organiser – PSHE – Changing Me - Year Four

### Key Vocabulary

<b>Unique</b>	Being the only one of its kind.
<b>Characteristics</b>	A typical feature or quality that something/somebody has.
<b>Reproduction</b>	The act or process of producing babies, young animals or plants.
<b>Menstruation</b>	When a woman menstruates, there is a flow of blood from her womb, usually once a month.
<b>Puberty</b>	The period of a person's life during which their sexual organs develop and they become capable of having children.
<b>Change</b>	To become different.
<b>Emotion</b>	A strong feeling such as love, fear or anger; the part of a person's character that consists of feelings.
<b>Anxious</b>	Feeling worried or nervous.
<b>Worry</b>	To keep thinking about unpleasant things that might happen or about problems that you have.

### Key Knowledge

- I understand that some of my personal characteristics have come from my birth parents and that this happens because I am made from the joining of their egg and sperm.
- I can correctly label the internal and external parts of male and female bodies that are necessary for making a baby.
- I can describe how a girl's body changes in order for her to be able to have babies when she is an adult, and that menstruation (having periods) is a natural part of this.



### Reflective questions

Ask me this...

What are your unique characteristics?

Why do people choose to have babies?

What changes might my body go through?





## R.E. Year 4 Summer 2 Knowledge Organiser

Enquiry: Do people need to go to church to show they are a good Christian?

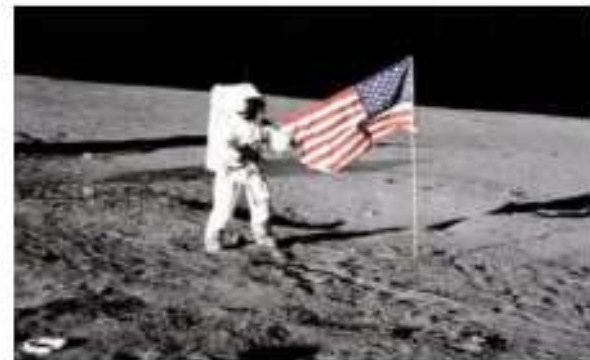
Key vocabulary	Definition
Church	A special religious place Christians visit
Sacrament	A special rite or religious practice
Baptism	A ritual using water where people are welcomed into the Christian faith
Eucharist	Taking of Bread and Wine in memory of the Last Supper
Worship	To honour and respect a Holy figure
Community	A sense of belonging to something
Faith	Believing in something when there is no proof of it.

Key Knowledge
I can talk about a place that is special to me and can explain how it makes me feel when I am there.
I know that Christians may go to a Church for Worship, Holy Communion or Baptism.
I have been to visit a Church to find out what it is like.
I know that Christians go to Church to show their love for God. At Church they can pray quietly. They go to show they are committed to their faith.
I can appreciate that people have their own places that are special for them.



## Knowledge Organiser – Year 4 – Science - Astronomy

Key Vocabulary	Definition
Universe	Everything we can touch, feel, sense, measure or detect.
Galaxy	A group of stars, clouds of gas and dust particles that move through the universe.
Planet	Natural objects that orbit, or travel around, stars
Milky Way	The galaxy that the Earth is in
Telescope	An instrument that allows people to see distant objects
Solar System	Consists of moons, comets, asteroids and planets that orbit the Sun
Asteroid	A chunk of rock and metal in outer space that is in orbit around the sun
Comet	A small world, they are made out of dust and ice, like a dirty snow ball
Meteor	A chunk of rock or metal from space that falls through the atmosphere
Gravity	A force which tries to pull two objects toward each other
Orbit	A repeating path that one object in space takes around another



Key Knowledge
I know the Big Bang is a theory about how the universe started.
I know as the planets orbit the Sun, they also rotate. This causes day and night.
I know as the Moon's position changes, it appears differently in the sky.
I know gravity pulls us to Earth.

