West Norfolk Academies Trust

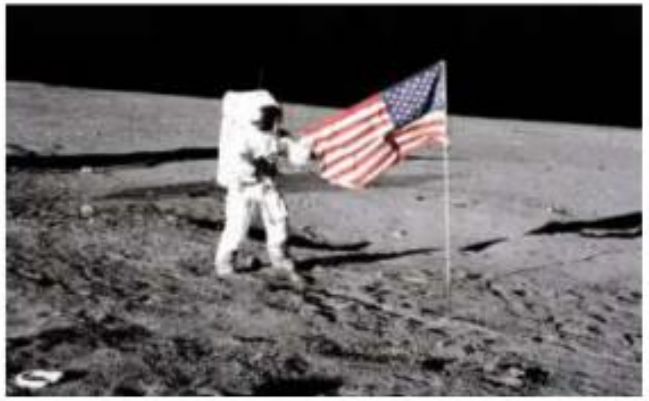
Knowledge Organisers
2nd Summer Term

Science
History
Geography
Art
PSHE
French
Music
R.E.
P.E.

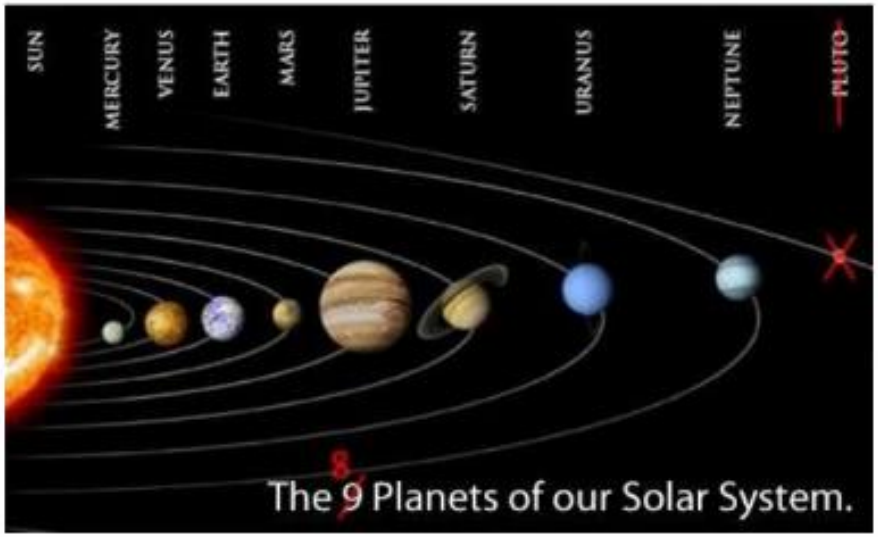
Year 4

Knowledge Organiser – Year 4 – Science - Astronomy

Key Vocabulary	Definition
Universe	Everything we can tough, 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.



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 11.
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

The Duke of Monmouth

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

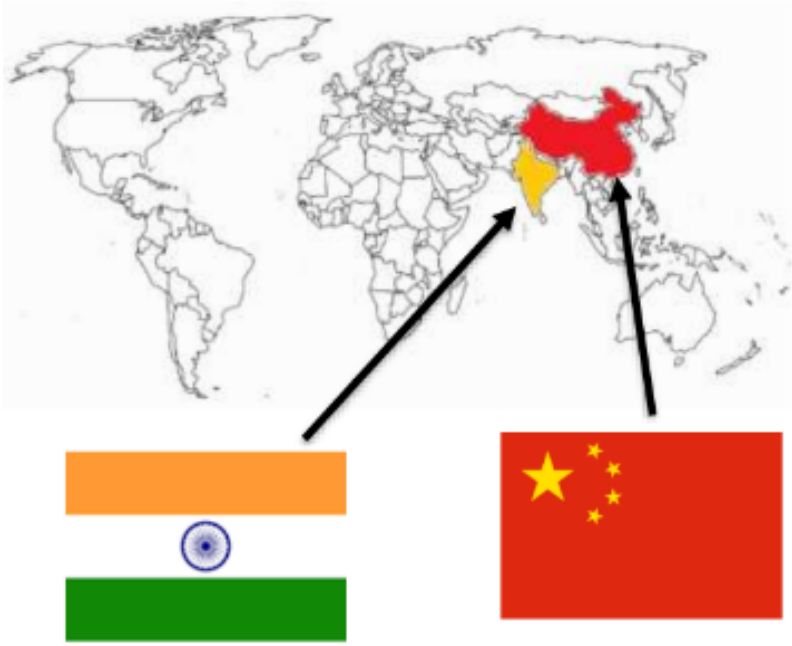
Key Vocabulary	Definition
Taj Mahal	One of the most famous monuments in India. Built by Shah Jahan in 1653 as a tomb for his wife.
Indus River	One of the longest rivers in Asia.
Indus Valley Civilisation	An ancient civilisation that flourished in the Indus River valley, from about 2500 to 1500 B.C.
River 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

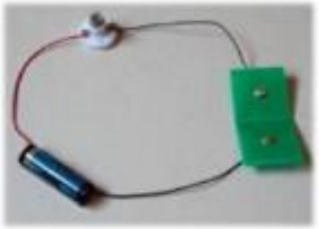
	India	China
Population	**1.3 Billion**	**1.4 Billion**
Capital City	**New Delhi**	**Beijing**
Main Language	**Hindi**	**Mandarin**
Main Religions	**Hinduism, Islam, Buddhism and Sikhism**	**Officially Atheist**



Knowledge Organiser –Bedtime Nightlight - Design Technology - Year Four

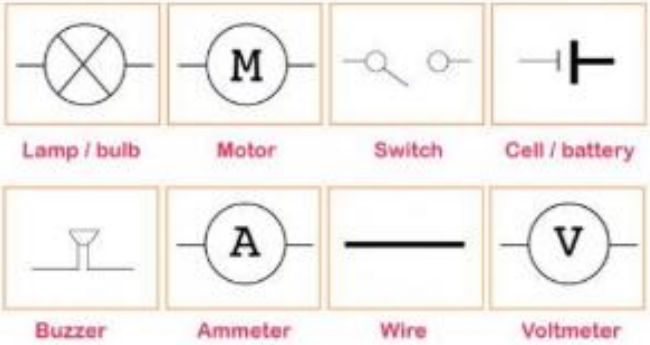
Key Vocabulary:	
Series circuit	The path through which electricity passes.
Switch	A component that can disconnect or connect the conducting path in an electrical circuit.
Bulb	An electric light with a wire filament heated until it glows. The filament is enclosed in a bulb. Current is supplied to the filament by terminals or wires embedded in the glass
Crocodile clip	A sprung metal clip with long, 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	**Design criteria** are the precise goals that a project must achieve in order to be successful.

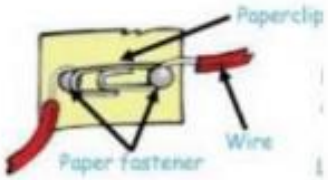
Key Knowledge:
To understand how switches work in a series circuit.
To understand the features of a torch.
To know how to write a design plan for a specific client and their needs.
To know what prototypes are and why they are important.
To know how to apply DT and electrical knowledge to build a nightlight.

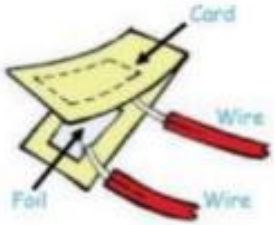


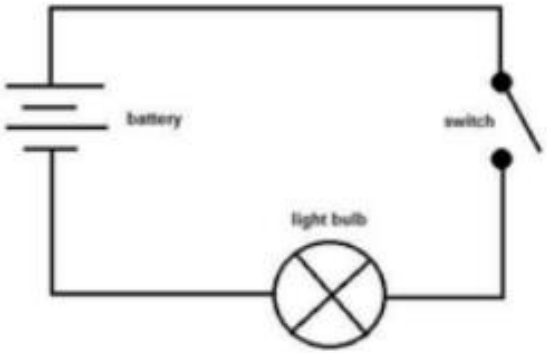
Circuit for a torch

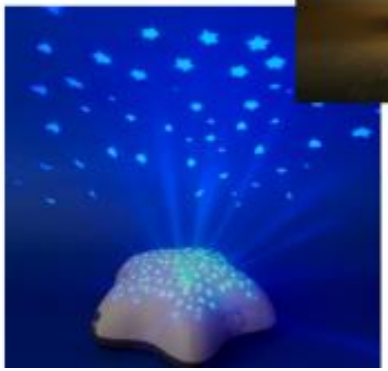
There are different ways of making handmade switches. They involve using a conducting material between two wires that would complete the circuit when pushed together.











Nightlights

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Knowledge Organiser – PSHE – Changing Me - Year Four

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

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 to you speak?*
Qu'est-ce que tu portes?	*What are you wearing*
C'est de quelle couleur?	*what colour is it?*

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Knowledge Organiser Music *Blackbird* Year 4

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...

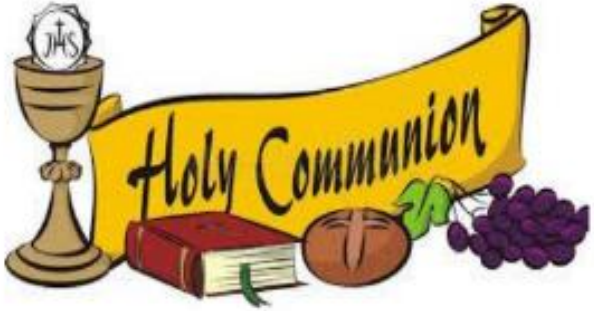
- Can you work out the plan or **structure** of a song and hear how many verses and choruses it has?
- Have you tried to improvise when singing?

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.



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Knowledge Organiser - PE – Tennis / Dance - Year 4

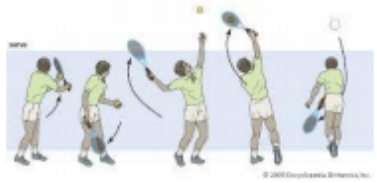
Get Set 4 P.E.

Key Vocabulary	Definition
Ace	A serve that is a winner without the receiving player able to return the ball.
Baseline	The line indicating the back of the court.
Face	The top part of the racket that has the strings and is meant to hit the ball.
Dynamics	How a movement is performed e.g. robotically, softly.
Formation	Where dancers are in relation to each other.
Action/ Reaction	One movement has an effect on another movement e.g. push/pull, up/down, forward/backward.

Skill development

Tennis	Dance
Return to the ready position to defend my own court.	Choose actions and dynamics to convey a character or idea.
Be able to play a continuous game sometimes.	Copy and remember a set of choreography.
Use a range of basic racket skills.	Use changes in timing and spacing to develop a dance.
Share ideas with others to manage a game.	Use simple movement patterns to structure dance phrases on my own, with a partner and in a group.

Skills

Ready position	
Serve	
Expression	
Formation	