



Knowledge Organisers – Summer 2



Science

History

Design and Technology

PSHCE

Computing

R.E.

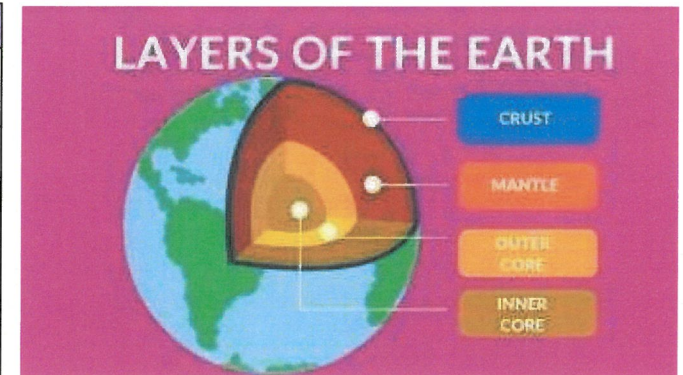
P.E.

Music

Year 2

Knowledge Organiser- Astronomy - Science

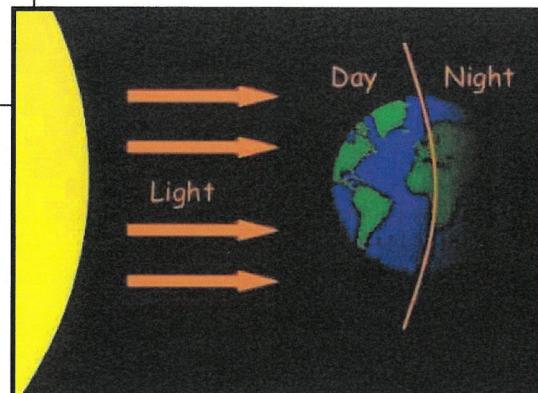
Key Vocabulary	Definition
Solar System	The Sun, the eight planets, their moons, and other smaller objects together make our Solar System.
Orbit	The path of an object around another, orbits usually follow a circular shaped path. The Earth orbits the Sun.
Rotate	Turning around an axis.
Waxing	When the moon appears to be getting larger, because we can see more of it.
Waning	When the moon appears to be getting smaller, because we can see less of it.
Constellation	A group of stars that form a pattern or picture that people have told stories about.
Volcano	A mountain with an opening that allows molten rock and ash to escape through from below the surface of the earth.
Crust	The outside of the Earth, we live on the crust.
Mantle	Under the crust is the mantle, this layer of the earth is partly solid and partly liquid.
Core	The centre of the earth, the core is extremely hot.



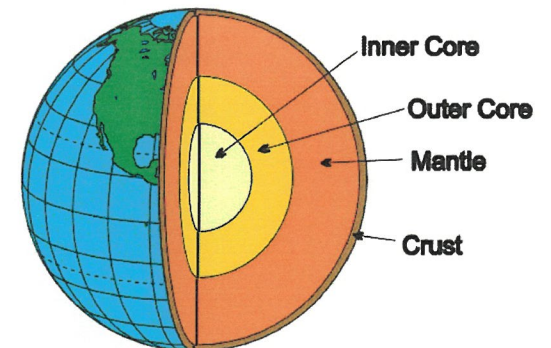
Key Knowledge
I know there are 8 planets in our solar system.
I know the Earth travels around the sun.
I know the moon orbits the Earth.
I know the Earth can be split into 3 layers: the crust, the mantle and the core.

Phases of the Moon		
Full Moon	Half Moon	Crescent Moon

Day and Night



Layers of the Earth



Knowledge Organiser- History- Powerful Voices

Key Vocabulary	Definition
Empire	A group of states or countries ruled over by a single person or ruling power
Protest	To complain and speak out against something they disagree with in an organised way
Boycott	When people refuse to buy, use, or go somewhere in protest to bring about change
Activist	A person who feels passionately about something and wants to make a change
Civil Rights	The rights that belong to every person. The American Civil Rights Movement that fought for equal rights for black people.
Campaign	Planned actions to achieve a goal
Climate Change	The process of our planet heating up.

Key Knowledge:

I know that Gandhi is remembered as a significant person in History for his peaceful protests.
I know that Rosa Parks and Martin Luther King fought for equal rights for black people in America.
I know that Malala Yousafzai stood up for girls and their right to education even when it was dangerous to do so
I know that Greta Thunberg is a young, environmental activist.
I know David Attenborough is a British broadcaster who makes natural history documentaries and speaks out about taking care of our planet.

Gandhi

Born in India in 1869. He fought for independence from British Rule.



Rosa Parks

Born in the USA in 1913. Known as the "mother of the Civil Rights Movement" for refusing to give up her seat on a public bus.



Martin Luther King

Born in the USA in 1929 and led the American Civil Rights Movement.



Malala Yousafzai

Born in Pakistan in 1997 and stood up for a girls' right to attend school.



David Attenborough

Born in the UK in 1926. A British broadcaster who speaks out about protecting the world.



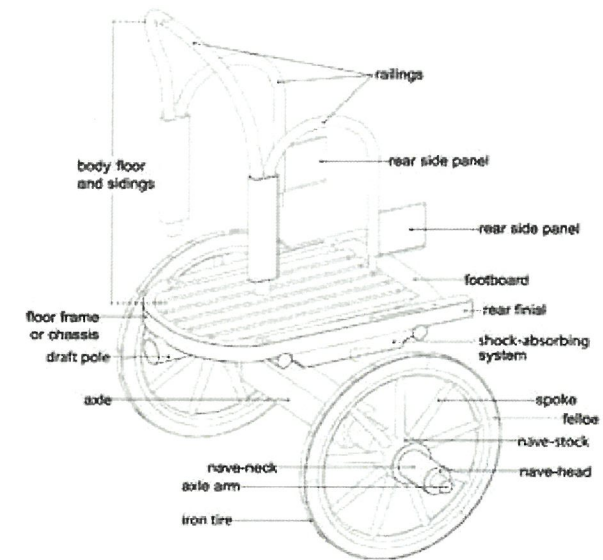
Greta Thunberg

An environmental activist born in Sweden in 2003.



Knowledge Organiser - Wheels and Axles - Design Technology

Key Vocabulary:	
Wheels	A circular object that revolves on an axle and is fixed below a vehicle or other object to enable it to move easily over the ground .
Axle	A rod that enables a wheel to rotate. The wheel can rotate freely on the axle or be fixed to, and turn with, the axle.
Moving Vehicle	A thing used for transporting people or goods, especially on land, such as a car, lorry or cart.
Axle holder	The component through which an axle fits and rotates.
Chassis	The frame or base on which a vehicle is built.
Mechanism	System of parts working together in a machine; a piece of machinery



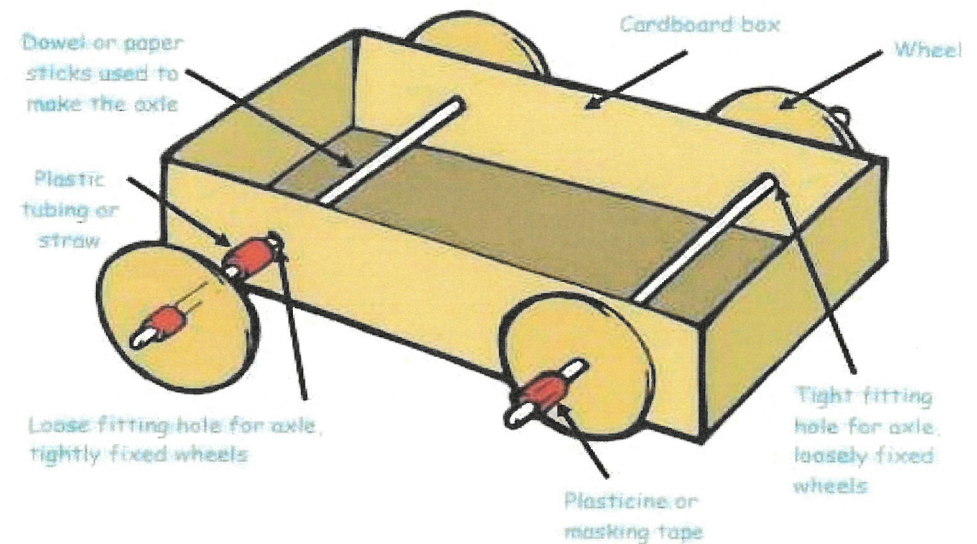
Types of Wheels:



Moving Vehicles:



Examples of two different ways to fix wheels:



Knowledge Organiser – PSHE – Changing Me

Key Vocabulary

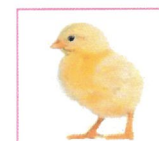
Life cycle	The series of forms into which a living thing changes as it develops.
Growing up	A typical feature or quality that something/somebody has.
Baby	A very young child or animal.
Adult	A fully-grown person who is legally responsible for their actions.
Change	To become different.
Independent	Not being controlled or ruled by another.
Private	Something you do not want other people to know about or see.
Touch	To put your hand or another part of your body onto somebody/something.
Worry	To keep thinking about unpleasant things that might happen or about problems that you have.

Key Knowledge

I can recognise cycles of life in nature.

I can recognise the physical differences between boys and girls, use the correct names for parts of the body (penis, testicles, vagina) and appreciate that some parts of my body are private.

I understand there are different types of touch and can tell you which ones I like and don't like.



Reflective questions

Ask me this...

How have you changed since you were a baby?

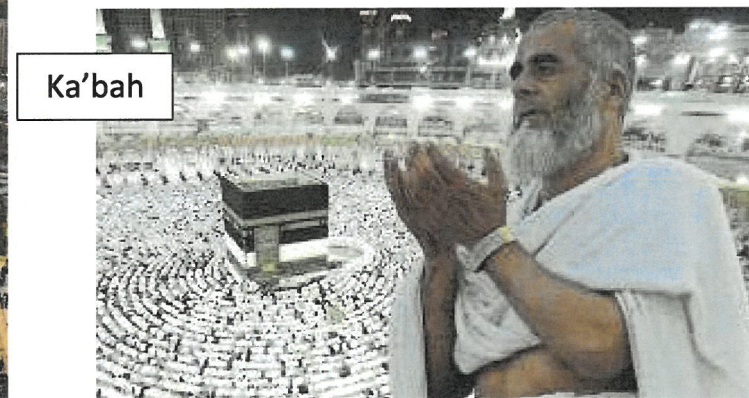
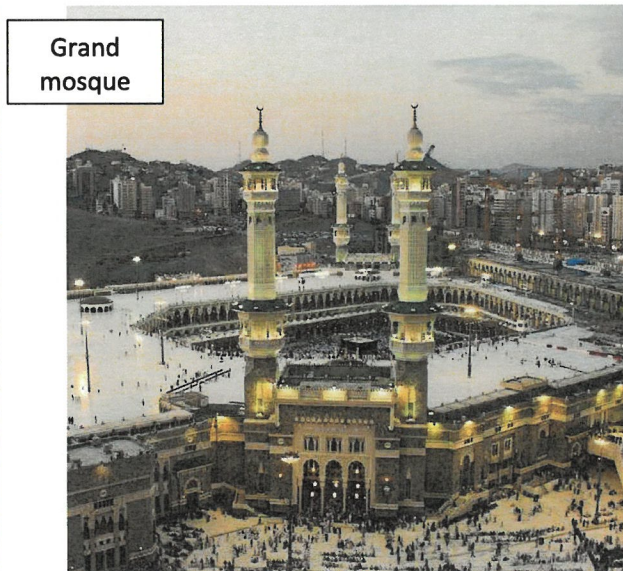
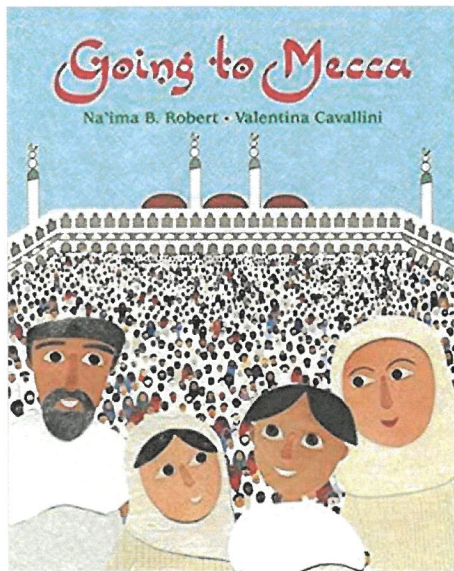
Can you remember the names of the body parts that make girls and boys different?

What would you do if someone was touching you and you didn't like it?

R.E. Summer 2 Knowledge Organiser
Enquiry: Does completing Hajj make a person a better Muslim?

Key vocabulary	Definition
Hajj	An Islamic pilgrimage – one of the 5 Pillars of Islam.
Mecca / Makkah	The prophet Muhammad (PBUH) was born in Makkah in Saudi Arabia.
Grand Mosque	The Mosque in Makkah that pilgrims visit on the Hajj
pilgrimage	A journey to a sacred place
Ka’bah	The Ka’bah is a cube-shaped black box. It marks the centre of the Muslim world

Key Knowledge
I know how going on a special journey can make me feel
I can explain what the Hajj is and how it started.
I know what happens during Hajj and some of the rituals that Muslims completed
I can say why Hajj is important to Muslims
I can talk about a journey that is important to me and explain why.

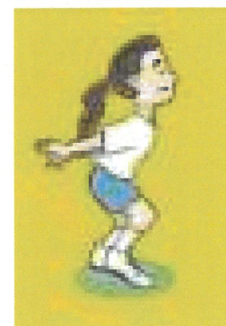


Knowledge Organiser – PE – Athletics



Key Vocabulary	Definition
Jumping	Using your arms and legs to push yourself off the ground.
Landing	After jumping, landing with two feet on the floor or a mat in a controlled way.
Sprint	Running as fast as you can.

Skill Development
To develop the sprinting action. To develop jumping for distance and technique when jumping for height. To develop throwing for distance and for accuracy. To select and apply knowledge and technique in an athletics carousel.

Skills	
Landing	
Sprinting	
Jumping	

Music Knowledge Organiser – Unit 6: The Power of Communication

Key Vocabulary	
Pitch	How high or low a sound is (like a tiny bird vs. a dinosaur!).
Dynamics	How loud or soft the music is.
Tempo	The speed of the music (fast, slow, or somewhere in between).
Timbre	The “sound colour” of a voice. Rapping is a different timbre from singing
Beat / Pulse	The steady heartbeat of the music.
Structure	The way a song is constructed, verse and chorus. The chorus is the same each time, but the verses have different words.
Ensemble	A group performing music together (singers, instruments, or both).
Rhythm	The pattern of long and short sounds that sits on top of the pulse.



Unit Objectives
To communicate the meaning of the song with our voices and sign language.
To sing short vocal phrases independently.

I Can Statements:

- I can show what a song is about using my singing voice and my hands.
- I can sing parts of a song all by myself and show feelings with my voice.
- I can use puppets to share happy thoughts and feelings.
- I can practise with my friends to get ready for a show and perform our songs or rhymes for others.
- I can think about my feelings and my friends' feelings to help me sing with my whole heart.