

Knowledge Organisers

1st Summer Term

Science
Geography
Art
PSHE
Computing
P.E.
Swimming
R.E.

Year 2

Knowledge Organiser – Electricity – Science - Year 2

Key Vocabulary	Definition
Electricity	A form of energy that helps us to power and use different things
Current	The flow of electricity
Static electricity	A type of electricity that is created by rubbing certain materials together
Electrical shock	If we touch electricity it can flow into our bodies and harm us
Circuit	The path which electricity flows along
Battery	A store of electrical energy
Cell	Something that can generate electricity e.g. a battery
Light bulb	A piece of equipment that converts electrical energy into light energy
Switch	A piece of equipment that opens and closes the flow of electricity in a circuit
Wire	A thin piece of metal that allows electricity to travel along it
Conductor	An electrical conductor is made of a material that allow electricity to travel through it
Insulator	An electrical insulator is made of a material that does not allow electricity to travel through it.

Key Knowledge

I know electricity can be very dangerous.

I understand there are 2 different types of electricity; current electricity and static electricity

I know how to use electrical items safely.

I know if a circuit is broken electricity cannot flow around it.

Static Electricity



Insulators



Electrical Circuit



Conductors



Electrical Shock



Knowledge Organiser – Geography – Northern Europe – Year 2

Key Vocabulary	Definition
Scandinavia	The countries in Northern Europe – Denmark, Sweden, Finland, Norway
Climate	The weather in a place over a long period of time.
Weather	The conditions outside, for example, sunshine, <u>rain</u> , <u>cloud</u> , snow.
Migration	Movement from one place to another.
Compass	A tool used to identify direction.
Adapt	To change or adjust something.
Explorer	A person who goes on journeys to find out about new places.
Human features	Things built by humans: man-made.
Physical features	Things found in the natural environment – not man made.
Sami	A group of people who have lived in the coldest <u>parts</u> of Northern Europe for a very long time.



Key Knowledge
I know the countries in Northern Europe.
I know Northern Europe has mountains, valleys, and lakes.
I know the climate is colder than other parts of Europe.
I know that Roald Amundsen was an explorer.


Flags of Northern European Countries				
Norway	Denmark	Sweden	Finland	Iceland

Knowledge Organiser – Murals and Tapestries - Visual Arts - Year Two

Key Vocabulary	Definition
mural	A painting that is painted directly onto a wall or ceiling.
fresco	A mural that is painted onto wet plaster.
plaster	A soft mixture for spreading on walls that becomes hard and smooth when it has dried.
Pope	The head of the Roman Catholic church.
Sistine Chapel	The Chapel in the Pope's palace.
National Gallery	An art gallery in London which has a large and important collection of art.
tapestry	A thick piece of fabric, with patterns and sometimes, pictures on it. Tapestries are made by weaving.
weaving	A way of making fabric by crossing over threads.
composition	How the different ingredients in art (e.g. colour, line, shape, texture) are put together to make up a whole work of art.

Key Knowledge

I know sometimes artists paint on walls or ceilings.
I know that Michelangelo painted a mural on the ceiling of the Sistine Chapel.
I know that a tapestry is a piece of art made from woven threads.

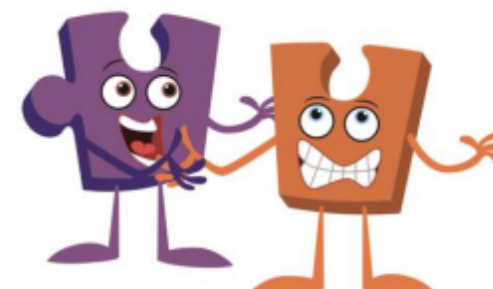
Painting	Artist and Title
	Michelangelo , The Hand of Adam and God, c1512 (Sistine Chapel, Vatican City)
	Leonardo da Vinci , The Last Supper, 1495-98 (Santa Maria delle Grazie, Milan)
	Paula Rego , Crivelli's Garden, 1990 (Sainsbury wing restaurant, National Gallery, London)

Knowledge Organiser – PSHE – Relationships - Year Two

Key Vocabulary	
Family	A group consisting of one or two parents, their children and close relations.
Relationship	A loving and/or friendship between two people.
Special	More important than others.
Touch	To put your hand or another part of your body onto somebody/something.
Hug	To put your arms around somebody and hold them tightly, especially to show that you like or love them.
Friend	A person you know well and like, and who is not usually a member of your family.
Secret	Known about by only a few people; kept hidden from others.
Worry	To keep thinking about unpleasant things that might happen or about problems that you have.



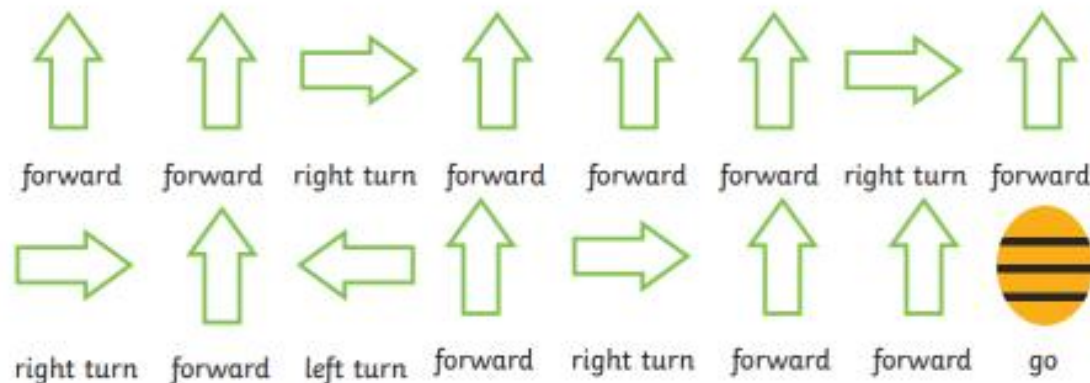
Key Knowledge
I understand that there are lots of forms of physical contact within a family and that some of this is acceptable and some is not.
I understand that sometimes it is good to keep a secret and sometimes it is not good to keep a secret.
I recognise and appreciate people who can help me in my family; my school and my community.



Reflective questions
Ask me this...
Who is special to you?
What kinds of touch do you like and why? E.g. a hug.
What sort of things causes friends to fall out sometimes and how can we resolve this?




Knowledge Organiser- Programming – Robot Algorithms – Year 2

Key Vocabulary	Definition
algorithm	A sequence of instructions that are followed to complete a task.
artwork	Paintings, drawings or other artistic works.
debugging	Identifying and removing errors from computer hardware or software.
decomposition	Breaking down a problem into smaller parts/steps.
instruction	An order given to a computer.
mat	A surface that you can move a robot across.
prediction	An act of saying what will or might happen in the future.
program	Give a computer a set of instructions.
route	A road or course of travel from one place to another.
sequence	A set of related events that follow each other in a particular order.




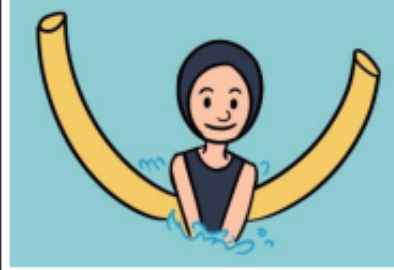

Key Vocabulary	Definition
Trap	To stop or trap a rolled ball on the floor using a tennis racket.
Ready position	Feet shoulder width apart, knees bent, used to be able to move to the ball quickly.
Pace	The speed at which a performer runs.
Jump	Take off and land on two feet.
Coordination	To move different body parts at the same time.

Skill development	
Net & Wall	Athletics
Defend space on my court using the ready position.	Jump and land with control.
Hit a ball over the net into the court area.	Link running and jumping movements with some control and balance.
Throw accurately to a partner.	Use an overarm throw to help me throw for distance.
Know how to score points and remember the score.	Work with others, taking turns and sharing ideas.

Skills	
Ready position	
Long jump	
Sprinting	

Key Vocabulary	Definition
Enter/Exit	To get into or out of the swimming pool.
Pull	The action done by the arms to move through the water.
Glide	When a swimmer coasts with a pause in their stroke or after pushing off from the side.

Skill development
Begin to use arms and legs together to move effectively across the water.
Roll from my front to my back and then regain standing position.
Glide on both my front and back
Swim over a distance of 10m unaided.
Know several pool rules and explain how they help keep me safe.

Skills	
Floating on back	
Floating on front	
Gliding	

Muslims are expected to cover their whole bodies including their heads when praying as a sign of modesty and respect.

R.E. Year 2 - Summer 1 Knowledge Organiser

Enquiry: Does going to a mosque give Muslims a sense of belonging?

Key vocabulary	Definition
belonging	A feeling of fitting in or being part of something
Mosque	A Muslim place of worship
Wudu	A ritual of cleansing before Muslims pray
Minaret	A tower from where Muslims are called to worship
Hajj	Annual pilgrimage to Makkah that each Muslim must undertake once in their lifetime if they have adequate health and wealth.
community	A group of people who share the same beliefs
Makkah / Mecca	A place in Saudi Arabia, the birth place of Muhammad (PBUH)

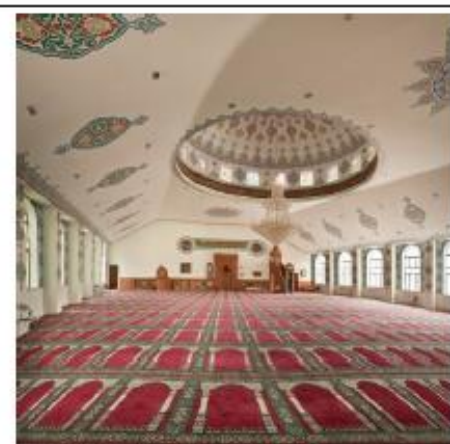
Key Knowledge
I know what it feels like to belong
I can explain a Muslim ritual that shows a baby belongs to a Muslim community
I know some of the rituals Muslims perform when they pray.
To know that praying with others in a Mosque helps Muslims feel like they belong
I can explain why a Muslim might feel like they belong to a community.
I know that going to a special place and having special actions helps me feel like I belong to a group.



Mosque



Hajj in Makkah



Inside a Mosque