

Knowledge Organisers 1St Autumn Term

Science

History

Geography

Art

PSHE

French

Computing

R.E.

Music

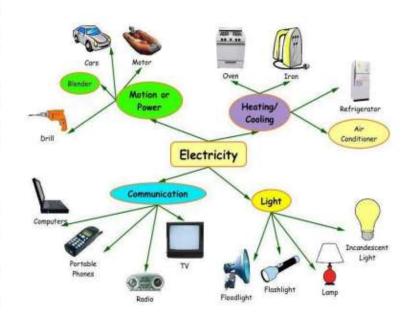
P.E.

Class 3 – year 4

Knowledge Organiser - Science - Year 4 - Electricity

Key Vocabulary:		
electricity	energy made available by the flow of electric charge through a conductor	
conductor	a substance that allows heat or electricity to pass through or along	
insulator	a substance that does not allow heat or electricity to pass through or along	
component	a part that can be separated from or attached to a system	
circuit	an electrical device that provides a path for electrical current to flow	
current	a flow of electricity through a wire or circuit	
static electricity	static electricity is the build up of an electrical charge on the surface of an object. It's called "static" because the charges remain in one area rather than moving or "flowing" to another area like an electrical current.	
electron	an elementary particle with negative charge	
appliance	a device or machine often in your home that you use to do a job such as cleaning or cooking - appliances are often electrical	
negative charge	having a surplus of electrons; having a lower electric potential	
positive charge	having a deficiency of electrons; having a higher electric potential	
electromagnet	a magnet which attracts metals only when electrically activated	
atom	the smallest, indivisible constituent part or unit of something.	

Uses Of Electricity In Our Daily Life



Key Knowledge:

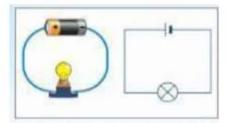
I know the main uses of electricity.

I know the components and symbols of a basic electrical circuit.

I understand the difference between a current and static electricity.

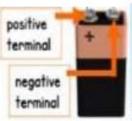
I understand the importance of conductors and insulators.

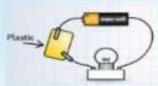
I know what an electromagnet is.



Electrical circuits can be represented as circuit diagrams.

A battery is the power source in a circuit. It has two terminals

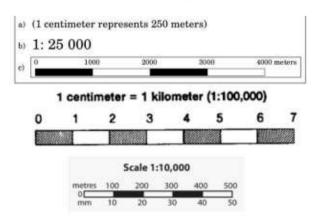


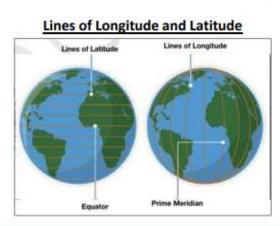


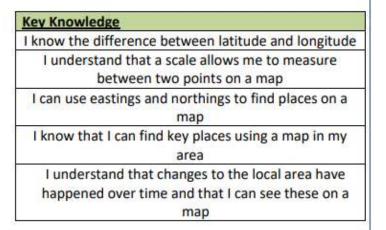
Plastic does not conduct electricity. We use plastic as an electrical insulator. Can you think of other materials that are electrical insulators.

Knowledge Organiser - Spatial Sense - Geography - Year 4

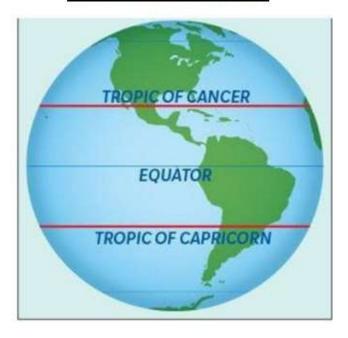
Key Vocabulary	Definition Imaginary lines that help us identify how far north or south of the equator a location is. Imaginary lines that help us identify how far east or west of the Prime Meridian a location is.		
Lines of Latitude			
Lines of Longitude			
Equator	An imaginary line that shows us the locations that are half way between the north and south pole. The Equator divides the earth into the Northern Hemisphere and the Southern Hemisphere.		
Prime Meridian	The line of longitude that measures 0° and runs through Greenwich in London.		
Tropic of Cancer	The most northern line of latitude where the sun can be directly overhead. Named after the constellation of Cancer.		
Tropic of Capricorn	The most southern line of latitude where the sun can be directly overhead. Named after the constellation of Capricorn.		
Scale	The representation of distance on a map.		







Tropics of Cancer and Capricorn



Knowledge Organiser- Space - Visual Arts - Year 4

Key Vocabulary	Definition		
space	The distance within, around and between		
	things in art.		
dimension	A measurement.		
height	The measurement of something from top		
	to bottom. This is one of the dimensions.		
width	The measurement of something from side		
	to side. This is one of the dimensions.		
depth	The measurement of something from front		
	to back. This is one of the dimensions.		
3d	Something 3d (3 dimensional) has height, width and depth – the three		
	dimensions.		
	You can touch it all the way around.		
2d	Something 2d (2 dimensional) has only height and width – 2 dimensions. It is flat.		
	In a drawing the object that is drawn has only height and width.		
foreground	The part of a view that is closest to us in a		
	picture.		
background	The part of a view that is furthest away from us in a picture.		
middle ground	Between the foreground and the background.		
detail	A small part in a work of art which is clearly		
	shown e.g. a blade of grass.		

Key Knowledge

I understand that artists can create the illusion of three dimensions.

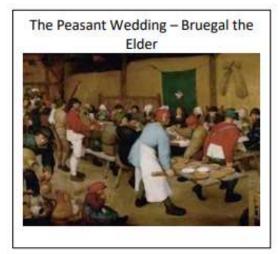
I understand that an artist uses foreground, middle ground and background to create depth

I can find foreground, middle ground and background in paintings that I look at.

I can create an image that has foreground, middle ground and back ground.

Paintings





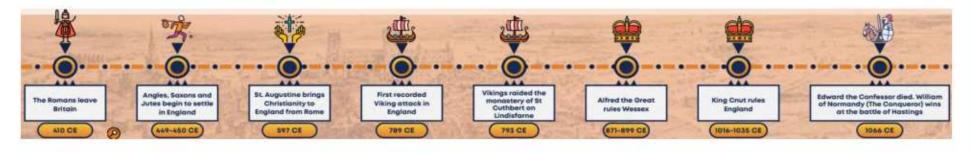
Knowledge Organiser - Anglo Saxons, Scots and Vikings - History- Year 4

Key Vocabulary:		
Anglo-Saxon	A mix of people from Germany, Denmark and the Netherlands who came to live in England during the 5th Century. The three biggest tribes were the Angles, the Saxons and the Jutes	
Viking	People of Scandinavian origin who travelled by sea and raided, invaded and settled in Europe from the 8th century	
Kingdom	A country or place ruled by a King or Queen	
Scots	People who lived in Scotland (previously thought to have migrated from Ireland)	
Picts	Early settlers in Scotland who fought with the Romans	
Settlement	A place where people live, and sometimes work	
Raid	An unexpected attack where an enemy comes to steal and/or destroy	
Invasion	To enter a country or place by force with the intent of taking over	
Pagan	A word used to describe people who believe in many Gods and Goddesses	
Trade	Exchange of goods	
Oath	A serious promise	
Heir	Someone who inherits a title, land or a position after someone else has died	

	Key Knowledge:		
To	know that the Anglo Saxons arrived after the Romans and the Picts and the Scots were early settlers in Scotland.		
	To know what the Anglo Saxons did for fun and their beliefs.		
	To know how shipbuilding skills helped the Vikings to explore.		
	To know that King Alfred defeated the Vikings.		
_	To know that King Canute understood the limits of his power		



Timeline







Knowledge Organiser - PSHE - Being Me in My World - Year Five 4

Vocabulary		
Refugee, Asylum, Refugee.	See below	
Preju d ice	Preconceived opinion that is not based on reason or actual experience.	
Citizen	Someone who is a citizen of a particular country is legally accepted as belonging to that country.	
Persecution	Hostility and ill-treatment, especially because of race or political or religious beliefs.	
Collaboration	The action of working with someone to produce something.	







Key knowledge

I can understand my rights and responsibilities as a British citizen and as a member of my school.

I can make choices about my own behaviour because I understand how rewards and consequences feel.

I can understand how a democracy and having a voice benefits the school community and know how to participate in this.



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Reflective Questions

Ask me this...

Should a government help its own citizens before it helps refugees?

Is it the government's responsibility to ensure that every citizen in our country can have their rights met?

What are your responsibilities to yourself or others so that everybody has the chance to learn?

REFUGEE

- Forced to leave their
- Fleeing armed conflict or persecution
- Do not know where they'll

MIGRANT

- Choose to move
- · No direct threat of
- Mainly to improve their
- Finding work

ENVIRONMENTAL MIGRANT

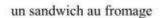
- Fleeing from natural disaster
- Still enjoys its government's protection

ASYLUM SEEKER

- Person who left country
- Applied for refugee status
- Awaiting decision on their application
- Not to be confused with refugee

Knowledge Organiser Year 5 French Unit 3: La nourriture

Key Language	English			
Je voudrais	I would like			
s'il vous plaît	please			
un sandwich au poulet	a chicken sandwich			
un sandwich au thon	a tuna sandwich			
un sandwich au fromage	a cheese sandwich			
un sandwich à la tomate	a tomato sandwich			
une glace au chocolat	a chocolate ice-cream			
une glace à l'orange	an orange ice-cream			
une glace à la fraise	a strawberry ice-cream			
une glace à la vanille	a vanilla ice-cream			
mangez	eat			
coupez	cut			
prenez	take			
mettez	put			
une baguette	a french stick			
le beurre	the butter			
les frites	chips			
les bonbons	sweets			
les pommes	apples			
les carottes	carrots			
les haricots	green beans			
les gâteaux	cakes			
j'aime/Je n'aime pas	I like/I don't like			
C'est bon pour la santé	It's healthy			
Ce n'est pas bon pour la santé	It's unhealthy			







un sandwich au poulet



J'aime les gâteaux. Ce n'est pas bon pour la santé.



Je n'aime pas les carottes. C'est bon pour la santé.

KEY QUESTIONS

Qu'est-ce que tu veux?

Tu aimes les carottes?

C'est bon ou ce n'est pas bon pour la santé?

What do you want?

Do you like carrots?

Is it healthy or unhealthy?

Knowledge Organiser- Computing Systems and Networks - Communication & Collaboration - Year 6

ey Vocabulary	Definition		
Protocol	a set of rules governing the exchange or transmission of data between devices.		
data	Facts and statistics collected for reference or analysis		
Internet protocol address	a unique string of characters that identifies each computer using the Internet Protoco to communicate over a network.		
Domain Name Sever (DNS)	the part of a network address that identifies it as belonging to a particular domain.		
Packet	Information sent from device to device in small chunks. Each packet includes information about where the data is going to go, where it is from and how to interpre it.		
Data Payload	The information or message in transmitted data		
Chat	The online exchange of messages		
Slide deck	A program that searches the web to create an index of data		
Collaboration	Working together		
Internet	a global computer network providing a variety of information and communication facilities		
Private	Conversation or activity only involving a particular person(s)		
Public	Open to or shared by all people		

Key K	now	led	ge
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To know the importance of internet addresses

To recognise how data is transferred across the internet

To understand how sharing information online can help people to work together

To be able to evaluate different ways of working together online

To be able to name and evaluate different methods of online communication

Transferring Information

Protocols and Packets:

- Protocols are an agreed way of doing something.
- In computing, protocols exist within the way that computers communicate with each other.
- The information they send digitally are called 'Packets'.



Online Communication

- Communication is when we <u>share information with one another</u>. We can communicate in lots of different ways on the internet, e.g. messaging services, emails, social media, video calling and gaming platforms.
- -Public communication is visible to all, whilst private communication is restricted to only some people.
- -Some communications are <u>one-way</u> (e.g. Youtube) whilst others are two-way (e.g. Skype).
- -Some communications are to one person, whilst others are to many.
- -We should consider which type of communication is most appropriate to our needs, safety and privacy.



R.E. Year 5 Spring 1 Sikhism Knowledge Organiser Enquiry: How far would a Sikh go for his/her religion?

Key vocabulary	Definition	
Kalsa	The Sikh community who follow the rules of the five 'Ks'.	
Guru Nanak	The founder of Sikhism (the person who started Sikhism).	
Guru	Teacher	
The Langar	The food served by volunteers at the Gurdwara.	
The Golden Temple Harminder Sahib	Harminder Sahib is the real Sikh name for The Golden Temple. It means house of God. It is located in the city of Amritsar, Punjab, India	
Gurdwara	Sikh temple	

Key Knowledge					
I know what a commitment is.					
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I know the 5 key beliefs of Sikhism are: God is in everything, Sikhs should serve others, everyone is equal, share what you have, give to charity.

I know that Sikhs are willing to sacrifice their time, effort, money, energy and even life for the well-being of others.

I know that Sikhs believe it is a good thing to treat people equally and share with people. Sikhs see the Langar as an opportunity to give, more than as a sacrifice.

I know that there are different levels of commitment and I can explain how committed I am to various interests.





The Golden Temple in India



The Langar – a community kitchen giving free meals to visitors



KNOWLEDGE ORGANISER MUSIC

COMPOSING AND CHORDS

YEAR 5 UNIT 3

Key Vocabulary	Definition	
Time signature	The rhythm following a clef 3/4 — there are three crotchet beats in a ba	
Key signature	The key of a piece of music depends on the flats and sharps in the music. G major — there is one sharp in the key signature (#)	
Tempo	The speed at which music is played Allegro — At a brisk speed (155 bpm)	
Rhythmic patterns using:	Dotted Minims: Minims: Dotted crochets: Crochets: Quavers:	
Chord A group of notes played together		
Triad	A group of 3 notes payed together.	

Key Signature: C major — there are no sharps or flats in the key signature



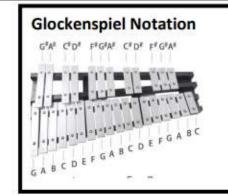
Key Signature: E b major — there are three flats in the key signature

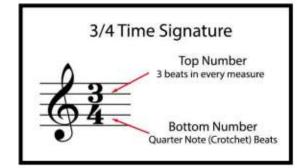


Key Signature: F major there is one flat in the key signature



Improvise Together





Songs Covered		
Freedom is Coming	South African Pop	
All Over Again	20 th and 21 st Century Orchestral	
Do You Ever Wonder?	20th and 21st Century Orchestral	



Notes you composed with...

F, G, A, Bb, C, D, E



Knowledge Organiser - OAA - Year 5



Key Vocabulary	Definition
Cooperate	To work together towards the same goal.
Мар	A pictorial representation of an area.
Route	A way of getting from one point to another.
Orienteering	A sport in which people run through a series of waypoints (controls) to guide then

Skill Development

Keep the map set (or orientated) so that you know where you are on the map and which direction you need to travel. When turning, make sure the map does not turn, and stays 'set'.

To communicate and co-operate effectively with others

To follow a set route on a map

To record clues and decipher a code.

