

Knowledge Organisers 1st Spring Term

Science

Geography

History

Art/DT

French

PSHE

Computing

RE

Music

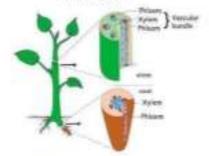
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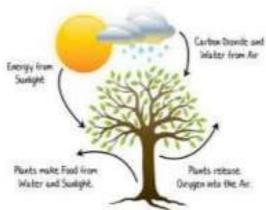
Year 6

Knowledge Organiser - Plants - Science - Year 6

Key Vocabulary	Definition
botanist	expert in the study of plants
roots	take up water and nutrients from the soil, keep the plant steady and upright in the soil; they "anchor" the plant.
stem	carries water and nutrients to different parts of the plant
flower	reproductive organ for a plant
carbon dioxide	needed for photosynthesis to take place
chlorophyll	a green pigment that absorbs light and is used in photosynthesis
chloroplast	an organelle where photosynthesis occurs
photosynthesis	the process by which a plant makes food
xylem	tissue that carries water upwards from the root to every part of the plant
phloem	tissue that transports nutrients from the leaves
transpiration	the emission of water vapour from the leaves of the plant
capillary action	movement of water through the plant
stomata	small opening son the surface of the leaf which control when gases enter or leave the lead
vascular plant	has roots, stem and leaves to enable water and nutrients to travel through the plant
non-vascular plant	does not have roots or s stem for the transportation of water and nutrients

The Structure of the Stem and the Root







Key Knowledge

I know the parts of a plant and flower and their functions.

I know the main stages in the life cycle of a flowering plant.

I understand that plants make their own food using a process called photosynthesis.

I understand how photosynthesis works and that plants contain chlorophyll.

I understand the similarities and difference between vascular and non-vascular plants.

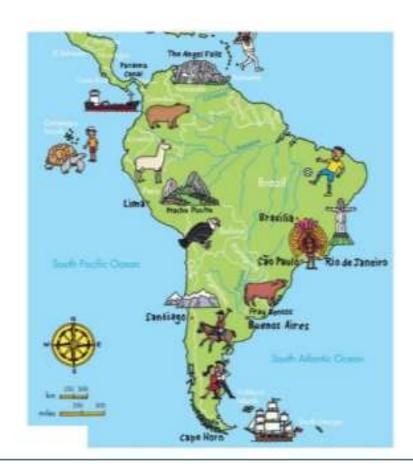


Knowledge Organiser - South America - Geography - Year 6

Key Vocabulary	Definition
Pangea	A supercontinent that broke apart 175 million years ago forming the continents we recognise today.
Rainforest	A dense forest, rich in biodiversity, that is often found in tropical areas that receive high levels of rainfall.
Subduction Zone	An area where one tectonic plate is being forced under another, often creating mountain ranges.
Plateau	A flat area of land with high altitude.
Altitude	The height of a location, often relative to sea level.
Deforestation	The process of removing forest.
Biodiversity	The variety of plants and animals within a habitat.

	<u>Th</u>	e Incan Empir	<u>e</u>
Location	Dates	Places	Language and Communication
The incan Empire spread along the pacific coast from Ecuador to Chile.	Began in 1100 CE Reached its height in 1530	Curco- the Incan Capital located in Peru built in the shape of a puma	Quechua (Ketch-acat) the single incan language, spread across the empire, to encourage clarity of communication.
	Declined in 1535	Machu Picchu- high in the Andes mountains	Quipu: lengths of knotted string, used to keep records and pass messages around the empire.

Key Knowledge
I know South America is a continent located in the Western Hemisphere and the countries within it include Brazil, Chile and Argentina
I know the Incan Empire was located in South America and it has a challenging geography.
I understand the different terrain of The Andes mountains.
I know farming and energy production are important to Brazil's economy.
I understand that deforestation is a major threat to biodiversity in the Amazon Rainforest.

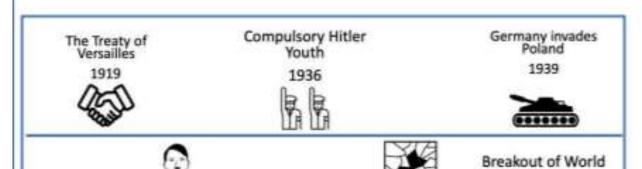


Knowledge Organiser- The Rise of Hitler and WWII - History - Year 6

War II

Key Vocabulary	Definition
Armistice	An agreement made between opposing sides in a war to stop fighting.
Treaty of Versailles	A document signed in 1919 to officially end the war between Germany and the Allied Powers and to outline punishments enforced upon Germany.
Nationalism	Support for a nation and its interests, often putting that nation above others.
Adolf Hitler	A German Politician and leader of the Nazi party, his decisions led to the deaths of thousands of people.
Aryan Race	A group of people the Nazis viewed to be superior than others. Aryan features included blue eyes and blonde hair.
Assassinate	The murder of a person for political or religious reasons.
Concentration Camp	A place where people are imprisoned in harsh conditions, without usual legal processes such as a trial.
Refugee	A person who has been forced to leave their country, seeking refuge in order to escape war, persecution, or natural disaster.
Blitzkrieg	A German word meaning 'Lightning War', intensive or sudden military attacks.
Coalition	A unity government formed with members of different political parties.

Key Knowledge	
	that after WWI, many German people were In the armistice and the Treaty of Versailles.
I know that at	fter World War 1, Adolf Hitler became leader of the Nazi Party in Germany.
I understand	howThe Nazi party controlled many aspects of life in Germany.
I underst	and what Kristallnacht means and what happened on this night.
I know that	World War II began when Germany invaded Poland in 1939.



Kristallnacht

1938

Hitler appointed leader of Germany

1933

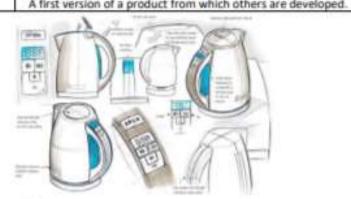


Winston Churchill – Prime Minister of Great Britain from 1940 to 1945

Knowledge Organiser - Dyson Engineering (Design Technology - Year Six)

	Key Vocabulary:
Open Switch	When a switch is positioned such that electricity cannot flow through it.
Closed Switch	When a switch is positioned such that electricity can flow through it.
Output devices	Components that produce an outcome e.g. Bulbs, buzzers, motors
Input devices	Components that are used to control an electrical circuit e.g. Switches or sensors
Design brief	A document for a design project developed by a person or team. They outline the details of the project including any the function, aesthetics, timing and budget.
innovation	A new method, idea or product.
Function	How something works or operates in a particular way
Purpose	The reason for which something is done or created or for which something exists.
Aesthetics	How something looks or what something sounds like.
Prototype	A first version of a product from which others are developed.

	Key Knowledge:
	I know who James Dyson is.
1 kno	w how fans have been innovated over time.
Tunders	tand how to create an electrical circuit for a fan mechanism.
know t	hat sketching is important in the design process.
Lunders	stand how prototypes help a product to evolve.







Device" from their with the values long amount god ben to corbina it, and use a system design national.



Push-to-make switch When you push, the electricity flows through

the pircuit, but when you release it the switch



Push-to-break switch

The switch is off while the buffun in pushed, but returns to its oil position. when farties is released.

Reed switch

Activated by a regnet which closes the contacts.









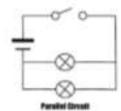


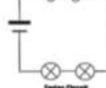


Switch (uff):



Circuit Types





Knowledge Organiser Year 6 French Unit 9: Ma journée

Key Language	English
je me lève	I get up
je prends mon petit déjeuner	I have breakfast
je vais à l'école	I go to school
je prends mon déjeuner	I have lunch
je quitte l'école	I leave school
je prends mon dîner	I have my eve.meal
je me couche	I go to bed
à six heures cinq/dix,	at 6.05/6.10
à six heures vingt/vingt-cinq,	6.20/6.25
et quart /et demi(e)	quarter/half past
à sept heures moins vingt-cinq	at 6.35
à sept heures moins vingt/dix/cinq	at 6.40/6.50/6.55
moins le quart	quarter to
un chocolat chaud	a hot chocolate
un café	a coffee
un jus de pomme	an apple juice
un croissant	a croissant
un pain au chocolat	a pain au chocolat
des céréales	some cereal
une tartine	bread and butter
Qu'est-ce que tu prends	What do you have?
je prends	I have
normalement	normally
d'abord/ensuite/enfin	first/next/finally
après l'école	after school



D'abord, je me lève à sept heures et demie.



Ensuite, je prends mon petit déjeuner à huit heures moins vingt.



Enfin, je vais à l'école à huit heures vingt.



Je quitte l'école à trois heures et quart.

Key Questions

Tu te lèves à quelle heure?

Qu'est-ce que tu prends au petit déjeuner? What time do you get up?

What do you have for breakfast?





Knowledge Organiser - PSHE - Dreams and Goals - Year Six

Vocabulary	
Motivation	A desire or willingness to do something.
Empathy	The ability to understand and share the feelings of another.
Sponsorship	The financial support received from a sponsor.
Achievement	A thing done successfully with effort, skill, or courage.
Success	The accomplishment of an aim or purpose
Global	Relating to the whole world; worldwide.
Contribution	To achieve something together with other people.
Compliment	A polite expression of praise or admiration.
Recognition	Appreciation or acclaim for an achievement, service, or ability.













Key Knowledge

I know my learning strengths and set challenging but realistic goals for myself.

I can identify problems in the world that concern me and talk to other people about them.

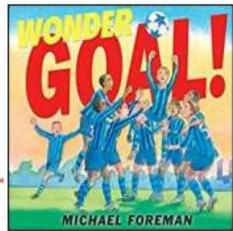
I can describe some ways in which I can work with other people to help make the world a better place.

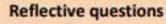












Ask me this...

How might you achieve your personal goals?

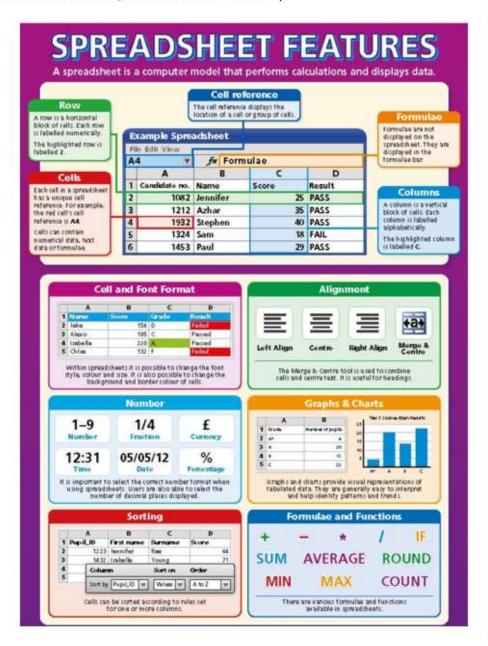
What does your goal say about you?

How can you help to make the world a better place?

Knowledge Organiser- Data & Information - Introduction to Spreadsheets - Year 6

Key Vocabulary	Definition
Cell:	the building blocks of a spreadsheet. Each cell holds one piece of data.
Row:	a horizontal collection of cells. Each row is identified by a number on the left side of the row.
Column	a vertical collection of cells. Each column is identified by a letter at the top of the column
Spreadsheet	the entire collection of data. Most spreadsheet programs like Excel, refer to this as a worksheet or workbook. Google just calls it a spreadsheet.
Tab	an organizational unit in a spreadsheet. You can think of them sort of like different pages in the spreadsheet.
Formula	an equation based on multiple cells.
Function	formulas that are built into your spreadsheet software are called functions.
Manual Input	user inputted data into a cell. The difference between manually inputted data versus a cell with a computed value will become increasingly clear over this course
Output	a cell with a value that is calculated based on data in other cells. A function is an example of an output cell.

Key Knowledge	
To be able to create a data set in a spreadsheet	
To be able to build a data set in a spreadsheet	
To explain that formulas can be used to produce calculated of	data
To apply formulas to data, including duplicating	
To create a spreadsheet to plan an event	



R.E. Year 6 Spring 1 Buddhism Knowledge Organiser **Enquiry: What does enlightenment mean to a Buddhist?**

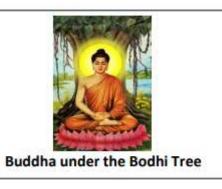
Key vocabulary	Definition	
Nirvana	Leaving the cycle of birth and rebirth and going to a place of peace and happiness.	
The Buddha	The Buddha was a man called Siddhartha Gautama. He was from a very rich family, but during his life, he learnt about what was really important in life. He then taught others about what he had learnt. Buddhists do not believe that the Buddha was a god but that he was a very wise teacher.	
Middle Way	The Middle Way or Middle Path is a teaching about a way of looking at things in Buddhism. This teaching advises a path of moderation, taking a middle way between extremes. In particular, the Buddha advises against taking a either an overly hard path or an overly easy path.	
enlighten ment	In Buddhism, enlightenment (called Bodhi in Indian Buddhism, or satori in Zen Buddhism) is when a Buddhist finds the truth about life and stops being reborn because they have reached Nirvana.	
Lotus	The lotus flower (which looks like the lily shown on the right) is an important symbol in Buddhism. It represents spiritual growth and development and receptivity to the Buddha's teachings. It is said that shortly after the Buddha's enlightenment, he saw all human beings like lotuses.	

Key Knowledge		
o understand Buddha's quest to stop suffering.		
To understand that the 'middle way' is a balance betw	veen two extremes.	
To understand that Nirvana is a state of perfect peace	N.	
To understand why the lotus is an important symbol	in Buddhism.	
To understand enlightenment and how it effects the l	ives of Buddhists.	











Third Eye



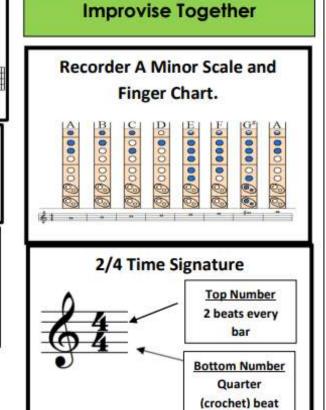
Knowledge Organiser Music

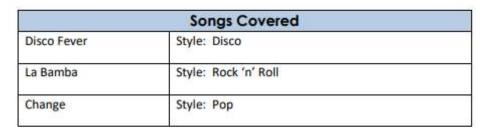
Creative Composition

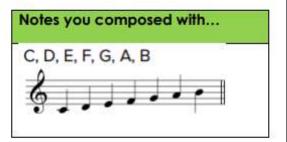
Year 6 Unit 3

Key Vocabulary	Definition	
Time signature	The rhythm following a clef 4/4 — there are four crotchet beats in a bar	
Key signature	The key of a piece of music depends on the flats and sharps in the music. D major — there are two sharps in the key signature (#)	
Tempo	The speed at which music is played Adagio — At a slow speed (68 bpm)	
Rhythmic patterns using:	Minims: Dotted crochets: Crochets: Quavers: Semiquavers:	
Harmony	Music to support the melody	

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Knowledge Organiser – PE – Basketball – Year 6

Key Vocabulary	Definition	
Dribble	Moving with the ball by bouncing it with one hand.	
Double Dribble	THIS IS NOT ALLOWED! – Dribbling the ball with 2 hands at once. Possession is given back to the opposing team.	
Travelling	THIS IS NOT ALLOWED! – Moving with the ball without dribbling it. Possession is given back to the opposing team.	
Rebound	When someone shoots and misses and the ball bounces back into play.	
Turnover	When possession is lots to the opposing team.	

Skill Development

To dribble with control.

To move into and create space to support a teammate.

To choose when to pass or dribble.

To use appropriate defensive techniques.

To develop a shooting technique and know when to dribble, pass or shoot.

To apply rules and tactics in game situations.

Skills			
Dribbling			
Passing			
Shooting			