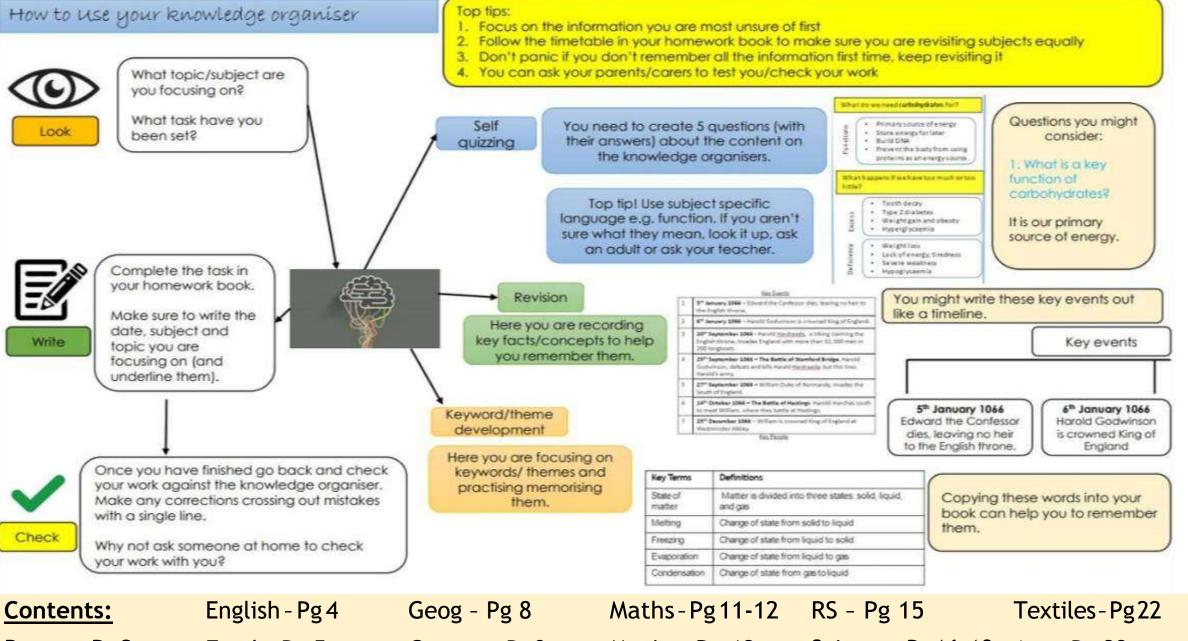


19 th April 2021	Week A
26 th April 2021	Week B
3 rd May 2021	Week A
10 th May 2021	Week B
17 th May 2021	Week A
24 th May 2021	Week B

Complete your homework on the night stated e.g. if it is a Monday week 1 you will complete DT and English homework.

Knowledge Organisers 2020-21 Year 7 - Term 5

	Week A	Week B
Monday	English/DT	Science/MFL
Tuesday Maths/Drama		ICT/PE
Wednesday	Science	English
Thursday	RS/Music	Geography/Art
Friday	History	Maths



 Drama-Pg2
 Food - Pg 5
 German-Pg9
 Music - Pg 13
 Science-Pg16-19
 Art - Pg 23

 DT - Pg 3
 French-Pg6-7
 History-Pg 10
 PE - Pg 14
 Spanish - Pg 20-21
 ICT - Pg 24-27

Rote play

This is the oct of pretending to be somebody else, of toking on a role, The role may be from a script Or a character you hove created. Thinki• 9. ^«' ng and even feeling differently to your ordinary self con help you empothise with thot person and better understand on issue or theme.

This explorotive strotE'9r woUld be effective if you were using the work of Konstontin Stonistavski as your chosen style. He took the approach thot the actor should inhabit the role that they're ploying. The actor shouldn't only know what lines they need to soy and the motJvotfon for those lines, but should also know every detail of thot character's life offstoge as well as onstage.

You could use a role on the wall diogro m to help you. Divide an outline of a person in two from top to bottom. Write down what the character thinks and feels on one side and what other characters think and Beef about your character on the other side. You con also include factual information about the role you ore playing around the Outside of the figure. This will help you understand your character better.

Cross-clotting

Cross-cuNing is a device to move between two or more scenes staged in the space at the some time. It's important that the audiente know which port <-f the action they should follow so one port of the action remains in still image while another scene Is played out, directing the audience's Mac us. Using this technique you con move backwards and forwards between seporate locations and time fromes.

Korexample, atheatre company is creating a piece of wark exploring Christmas. The production team wont to show the differences between a rich ond poor family on this day. Two separate scenes ore developed and placed on stoqe. Instead of $P^* \land Y' \land g *'$ multoneously the rich family scene ploys first with children opening mony presents. This freezes in a still image and the poor family come to life with their simple qifts providing a contrast. This scene ends in o still imoge ond the group cross-cut to the rich family once again who ore having a lavish Christmas dinner. They freeze and the poorer family's dinner is enacted.

Cross-cutting is on excellent way to explore the contrast between situations by making differences clear for tne audience. JL con also be used to give them additional information. It enobles performers to move quickly between locotions and scenes without inter r uptfng the flow of the dr0mo they're creating. Whilst it's a performance technique it con also be used within a workshop to pfoce cherocters within different time fromes for explorotive purposes.

Hot-seating

This is an exercise to deepen understanding of character. An actor sits in the hot-seat and is questioned in role, spontaneously answering questions they may not have considered before.

Hat-seating helps on actor become more familiar with their role. The questioners should also act as observers as feedback can be very useful.

Ask questions that force the actor to consider the life of their character in depth and beyond the world of the play. You could ask them about home life, childhood, family relationships, hopes, fears, hobbies and how they feel about other characters.

Make a note of any mannerisms that emerge which can be incorporated into performance, such as twisting hands out of nervousness or speaking slowly with a serious tone of voice and fixed eye contact. If something works for the character you are playing, keep it.

Norrating

Marroting is adding a spoken commentary for the audience about the action onstage. A narrotor is like a storyteller informing the audience about the plot.

Norration is useful in making a story more understandable for the audience. It also makes the drama **stylised**. This means that it becomes non-naturalistic because the audience are aware throughout that a story is being told and the **fourth wall** is broken.

Narrating can make a drama more understandable or stylised in a number of ways:

- an actor can speak the commentary over the action happening in the drama
- a character can say out loud what they think the audience needs to know about the characters or the situation of which they're a part, which is known as self-narrating
- an actor can just tell the audience what they need to know in between scenes
- a character con read or write a diary or letter that informs the audience what is important for them to know about what is happening or going to happen

This explorative strategy would be effective if you were using Brecht, Theatre in education, Musical theatre or Artaud as your chosen style. Try it out in rehearsal to see if it works in your performance.

Still image

This is a frazen picture which communicates meaning. It's sometimes called a **freeze frame** or tableau. It can provide **insight** into character relationships with a clear focus upon use of space, levels, body language and focial expression.

Still images can be used in a variety of ways. During a long speech they might be used to punctuate the words with clear imagery, making the drama anstage more interesting by adding a visual dimension to the work. They can also be used for marking the moment to explore a key moment in time.

You could use still images to create a photo album as an insight into a character's past life and relationships. It would be possible to use them to break down a complicated plot into clear snapshots of its key moments in development. Still image is also a useful way to storyboard early devised work.

Still images can be **naturalistic**, a photograph of an important moment or **obstract**, more representational of feelings or an event.

A picture points a thousand words. Condensing emotions, events or relationships into an image is an excellent way of ensuring these are communicated in a detailed and effective way.

Using mime and gesture on stage

Mime is the art of demonstrating an action with an object that doesn't exist. It's a very disciplined and precise act. The actor must pay real attention to detail for it to be effective. If you want the audience to 'believe' you're using an object, make sure that it doesn't just simply 'vanish' after you've finished with it. If you're mining drinking at a party and then need your hands for something else, put the imaginary glass down first.

The set can also be mimed and again, the same principles apply. If a table is mimed the actors need to be fully aware of where that 'table' is anstage. They mustn't move through it at the illusion is broken. They should all be able to place things on it so we see that it is a consistent size and height.

Messy mime can look amateurish. If you do use mime in a piece of theatre, ensure that you practise making your movements precise so that the audience can clearly see what it is you are daing.

Knowledge organiser Characterisation

Every person is a unique individual. Your role may have similarities to you but may also be vastly different. The way a person feels, thinks and the experiences they have had affect the way they move and speak.

Drama Year 7 Term 5 & 6

Think about the role you are playing in detail. Consider where the person is from, what sort of accent they have and how old and how confident they are. Ask yourself how this affects their pace, weight on the ground and posture. No two characters are ever completely alike. A skilled actor is versatile and able to change vocal and physical characteristics to communicate a role effectively.

Mime

Mime could mean:

- working in silence, or with few sounds or words, to show activities, eg painting a wall or opening a door.
- working with dialogue but while miming any props or set, eg using the audience as a mirror to apply make-up while addressing another character onstage.
- Physical theatre, which often incorporates mime techniques and where actors can also mime items of set or props

Thought-tracking and hot-seating

A thought-track is when a character steps out of a scene to address the audience about how they're feeling. Sharing thoughts in this way provides deeper insight into the character for an audience.

In rehearsal it's an effective way of exploring characters and scenes in greater depth. Stopping the action and sharing thoughts enables the actor to fully understand how their character thinks or feels at any given moment. Sometimes the character might feel something different to the words they're speaking. This is called **subtext** and thought-tracking is a useful way of exploring it to realise the many layers within a scene.

Analyse the above Gumball Machines using ACCESS FM.

We use ACCESS FM to help us write a specification - a list of requirements for a design - and to help us analyse and describe an already existing product.

is for Aesthetics

is for Customer

is for Cost

is for Size

is for Safety

M is for Material

is for Function



Aesthetics means what does the product look like? What is the Colouri Shape? Texture? Patern? Appearance? Feel?

1 km = 1000 m

ACCESS FM - Helpshee

1 m = 100 cm 1 cm = 10 mm



Cost means how much does the product cost to buy? How much does it. Cost to buy? Cost to make? How much do the different materials cost? Is it good value?



Customer means who will buy or use your product? Who will buy your product? Who will use your product? What is their: Age? Gender? What are their: Likes? Dislikes? Needs? Preferences?



Testing

make improvements.

Environment means will the product affect the environment? Is the product. Recyclobie? Reuseable? Repainable? Sustainable? Environmentally friendly? Bad for the environment? **GR's of Design**s Recycle / Reuse / Repair / Rethink / Reduce / Rehuse



Size means how big or small is the product? What is the size of the product in millimeters (mm)? Is this the same size as similar producte? Is it comfortable to use? Does it first Would it be improved if it was bigger or smaller?



Safety means how safe is the product when it is used? Will it be safe for the customer to use? Could they hurt themselves? What's the correct and safest way to use the product? What are the risks?



Function moons how does the product work? What is the products job and role? What is it needed for? How well does it work? How could it be improved? Why is it used this way?



Material means what is the product made out of?
What materials is the product made from? Why were these materials used? Would a different material be better? How was the product model? What manufacturing techniques were used?

that the product will work as it is supposed to, or if it needs refinement.

In general, testing a prototype allows the designer and client to assess the

viability of a design. Will it be successful as a commercial product? Testing

also helps identify potential faults, which in turn allows the designer to

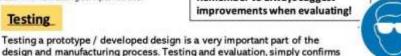
Evaluation

Designers evaluate their finished products or prototypes in order to test whether they work well and if the design can be corrected or improved. Whatever you have designed it is important to evaluate your work constantly during the project.

Evaluation can take a variety of forms:

- General discussion with other pupils, staff and others.
- Questionnaires / surveys carried out at any time during the project.
- . Your personal views, what you think of existing designs.
- · Most important of all what do you think of your designs, prototypes and finished products?
- . Can you think of any other ways of evaluating your work ?

Remember to always suggest improvements when evaluating!













Target Market



of potential customers) which a particular product or service is marketed (advertised) to.

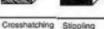


Using recucled materials means that fewer new resources are needed, and often less energy is used. For example, recycling old food cann takes much less energy than mining and processing new metal.

t's better to use materials from rememble resources — ones that are replaced naturally as fact as we use them up. For example, pine from well-managed plantations is spite a sustainable oboice. (But if the timber has to be transported a long way that'll probably use up a lot of focal funis.) Natural fibres used for textiles (e.g. cotton) are all renewable.



Blending







PINE Pine is a softwood which grows in most areas

pale yellow wood which is light weight, straight. grained and lacks figure. It resists shrinking and







Tri-Square



Coping Saw









	Plot Summary - The Tempest by William Shakespeare	Context			Pg 4
 A ship is caught in a tempest and begins to sink. Prospero tells Miranda that he caused the storm. Ariel fetches Ferdinand, who falls in love with Miranda. Antonio and Sebastian plot to kill Alonso, the King of Naples. 		Famous storm	probably comes from report	of the catastrophic storm that opens the play sof a real shipwreck which occurred in Bermuda city references Bermuda in Act I, scene ii, when the days and the days are storm.	ENGLISH
6. Cali	 Caliban suggests that they should kill Prospero, and Ariel overhears. Prospero uses magic to scare Alonso and spoil Caliban's plot. 		Gonzalo's speech in Act II	by Michel de Montalgne's "Of the Cannibals". envisions how he would rule the island- by If a civilized society, and instead copying a	I
Characters		Shakespeare's final play	The imagery of Propspero t Shakespeare giving up his	throwing down his staff has been interpreted as	
Prospero	Prospero The play's protagonist, and father of Miranda. Twelve years before the events of the play, Prospero was the duke of Milan. His brother, Antonio, with Alonso, king of Naples, usurped him, forcing him to escape in a boat with his daughter. The honest lord Gonzalo aided Prospero in his escape. He uses magic to punish his enemies.		Chancepoule grinig up inc		
			Vocabulary and Terminology		
Miranda	The daughter of Prospero, Miranda was brought to the island at an early age and has never seen any men other than her father and Caliban. Because she has been away from the world for so long, Miranda's ideas of other people tend to be chi∖dishly positive. She is compassionate, generous, and loyal to her father.		a position of power or egally or by force.	Ambiguous open to more than one interpretation; not having one obvious meaning.	
Ariel	Prospero's spirit helper. Often called "he", his gender and physical form are ambiguous. Rescued by Prospero from a tong imprisonment by the witch Sycorax, Ariel is Prospero's servant until Prospero decides to release him. He is mischievous and everywhere, able to travel the length of the island in an instant and to change shapes at will. He carries out virtually every task that Prospero needs accomplished in the play.		king control over , occupying it with oiting it economically.	Enchantment - the state of being under a spell; magic.	
Caliban -	Another of Prospero's servants. Caliban, the son of the witch Sycorax, welcomed Prospero to the island. Caliban believes that the island rightfully belongs to him and has been stolen by Prospero. His speech and behaviour is sometimes coarse and brutal, as In his drunken scenes with Stephano and Trincuto.		or spoken language in m, without metrical	Verse - writing arranged with a metrical rhythm, typically having a rhyme.	
	Themes		umorous content in a	Betrayal - the action of betraying	ono's
Forgiveness + repentance - Antonio, his brother, wronged him by dethroning and banishing some twelve years ago. Antonio was supported by Alonso and Sebastian. These three characters get punished. The difficulty of distinguishing "Man" from "Monster" - The identity of Caliban remains ambiguous in this play. Sometime he is addressed as monster and in some places he is called man.			offset more serious	country, a group, or a person; treach	
sepastian.	i nese three characters get punished. some places ne is called man.				

What do we need proteins for?

Build enzymes and hormones

- Build cell membranes
- Repair and maintain tissues
- Defend the body (antibodies)
- Secondary source of energy

What happens if we have too much or too little?

Kidney and liver diseases

· Weight gain

Kwashiorkor

- . Slowing growth rate
- Swelling

Protein alternatives

Vegetarians and vegans don't consume meat so instead they use protein alternative products which are manufactured in order to provide protein in a diet and protein rich foods.









Beans, lentils, chickpeas

What do we need carbohydrates for?

Functions

Deficiency

Functions

- Primary source of energy
- Store energy for later
- **Build DNA**
- · Prevent the body from using proteins as an energy source

What happens if we have too much or too little?

· Tooth decay

Type 2 diabetes

Weight gain and obesity

Hyperglycaemia

Weightloss

What do we need fats for?

Insulation

Lack of energy, tiredness

Severe weakness

Hypoglycaemia

Source of energy

Dissolve vitamins

Build hormones

· Feeling cold

There are two different types of fats

Build cell membranes

Keywords:

Macronutrients - nutrients we need in large amounts: carbo hydrates, proteins, fats.

Food miles - how far food has travelled from farm to fork.

Intensive farming - a method of farming aimed at increasing the amount of food produced Food provenance (origins) - how food is grown, reared and caught and how it is produced and transported.

Allergen – a substance or food that may cause an allergic reaction.

Food miles: The distance from the field to the plate of the consumer-importing food products from distant countries increases food miles.



Food provenance (UK):

Food that is caught: Fish such as mackerel, haddock and salmon and shellfish such as mussels and scallops.

Food that is grown: Crops: wheat and barley. Fruit and vegetables: apples, potatoes, carrots, lettuce, sprouts and s oft fruits like raspberries and strawberries.

Food that is reared: cows for milk and meat, sheep, pigs and chickens for meat and eggs.

The 14

ALLERGENS

Organic farming

animal in their diet.

- √ No chemicals
- √ Few orno pesticides
- ✓ No artificial fertilisers
- No herbisides
- ✓ No GM feed or seeds
- Antibiotics only used when necessary
- ✓ Animal welfare standards are kept

Carbon footprint

A carbon footprint is defined as: The total amount of greenhouse gases produced to directly and indirectly support to produce a product. This is usually expressed in equivalent tons of carbon dioxide (CO2)

14 common allergens.

Coeliac - cannot eat products containing gluten. Lactose intolerance - the body can't digest the sugar lactose in dairy products.

Factors that affect food choice

Vegetarian: No meat in the diet

Vegan: No products from a nimals in the diet e.g. meat, milk or honey.

Religion:

Islam: Requires Halal meat, no alcohol, no pork Judaism: Requires Kosher food, no meat and dairy

together, no pork Hinduism: No beef

Food intolerance - a reaction to food.

Coeliac disease - an intolerance to gluten.

Allergy - when the body reacts suddenly and seriously to an

Vegan: Some one who doesn't include any products from an

The eatwell guide (formerly the eatwell plate) has been produced by the government. The Eatwell Guide shows how much of what we eat overall should come from each food group to achieve a healthy, balanced diet.

The eatwell guide is split into the following categories:

- Fruits and vegetables
- O Potatoes, bread, rice, pasta and
- ☐ Oils and spreads
- Dairy and alternatives
- Beans, pulses, fish, eggs, meat and other proteins.

such as on meat are often saturated. Unsaturated fats



Visible fats

you cannot see, such as in nuts and avocados. They are often good for the brain,

Fats you can see,







































Free time activities - Year 7 French ARE 5 vocab list

Quand?	When?
Normalement	Normally
D'habitude	Usually
Tous les jours	Every day
Deux fois par semaine	Twice a week
De temps en temps	From time to time
Rarement	Rarely
Souvent	Dften
Quelquefois / parfois	Sometimes





Quels temps fait-il?	What is the weather like?
II fait beau	It is good weather
II fait chaud	It is hot
II faitfroid	It is cold
II fait25 degrés	It is 25 degrees
II fait mauvais	It is bad weather
II pleut	It is raining
II neige	It is snowing
II y a des nuages	There are clouds
II y a des orages	There are storms
II y a du soleil	It is sunny
II y a du vent	It is windy
II y a du brouillard	ltis foggy

Quel sport aimes-tu?	What sport do you like?
Jouer au foot	To play football
Jouer au rugby	To play rugby
Jouer au tennis	To play tennis
Jouer au golf	To play golf
Jouer au volley	To play volleyball
Jouer au basket	To play basketball
Jouer au ping-pong	To play table tennis
Faire du vélo	To do some cycling
Faire du ski	To do some skiing
Faire du patin â glace	To do some ice skating
Faire de la natation	To do some swimming
Faire de la gymnastique	To do some gymnastics
Faire de l'équitation	To do some horse-riding
Faire de l'athlétisme	To do some athletics

	+
Qu'est-ce oue tu aimes retarder?	What do you like to watch?
J'aime retarder	I like to watch
Les actualités	The news
La comédie	The comedy
Le dessin animé	The cartoon
Le documentaire	The documentary
L'émission (f)	The programme
Le feuilleton	The soap opera
Le film comique	The comedy film
Le film d'amour	The romantic film
Le film d'action	The action film
Le film d'horreur	The horror film
Le film policier	The detective film
Lejeu télévisé	The game show
La série	The series

Qu'est-ce que tu aimes faire?	What do you like to do?
Regarder la télévision	To watch TV
Ecouter de la musique	To listen to music
Aller au cinéma	To go to the cinema
Lire un livre	To read a book
Faire du shopping	To go shopping
Aller au parc	To go to the park
Aller au gymnase	To go to the gym
Rencontrer des amis/copains	Tomeetfriends
Jouer du piano	To play the piano
Visiter ma famille	To visit family
Aller en ville	To go to town
Faire la cuisine	To cook
Chanter	To sing
Nager	To swim
Faire mes devoirs	To do my homework
Télécharger de la musique	To download music
Surfer sur Internet	To surf the Internet
Jouer aux jeux-vidéos	To play video games
Tchatter avec mes amis	To chat online with my friends
Prendre des photos	To take photos
Regarder des vidéos marrantes	To watch funny videos
Envoyer des textos	To send texts
Acheter en ligne	To buy online
Regarder des clips Youtube	To watch Youtube videos
Ecrire un email	To write an email
Utiliser mon portable	To use my mobile phone







Weather. Free Time Activities Year 7 French ARE 5 **Knowledge Organiser**

Sports and other hobbies with opinions + inf. including jouer and faire

Finir, jouer & vendre are regular verbs which follows the patterns below; which we have seen before. The verb "faire" is irregular but important, especially for this topic with sports.

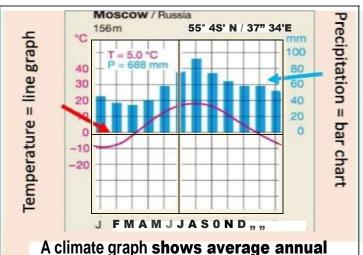
Faire – to do Je fais - I do	Tu fais – you do II/elle/on fait – he/she does/we do Nous faisons –we do	Vous faites – you (pl) do Ils/elles font – they do	Now you should be able to create some of your own questions using the question words below.	Quand? – When? Qui? – Who?	Combien? – How many? Qu'est-ce que? What? Comment? – How?	Pourquoi? – Why? Que? – What? Quel(le)? – Which?
Vendre-to sell	Je vend <mark>s</mark> – I sell	Tu vend <mark>s</mark> – you sell	il/elle/on vend– he/she/we sell	Nous vend <mark>ons</mark> – we sell	Vous vend <mark>ez</mark> you sell (pl. or formal)	ils/elles vend <mark>ent</mark> they sell
Jouer – to play	Je jou <mark>e</mark> – I play	Tu joues – you play	il/elle/on jou <mark>e</mark> - He/she/we play	Nous jou <mark>ons</mark> – we play	Vous jouez – you play (pl. or formal)	ils/ elles jou <mark>ent</mark> – they play
Finir-to finish	Je fin <mark>is</mark> – I finish	Tu fin <mark>is</mark> – you finish	il/elle/on fin <mark>it</mark> - He/she/we finishes	Nous fin <mark>issons</mark> – we finish	Vous finissez- you finish (pl. or formal)	ils/elles fini <mark>ssent</mark> – they finish
Pronouns	je (I)	tu (you)	il (he), elle (she), on (we)	nous (we)	vous (you) (pl. or formal)	ils/elles (they)

How to improve your writing?

When writing in French, you can make your sentences better by adding the following:

Rather than just using 'je', write verbs using other pronouns

- Range of opinions and reasons
- Connectives to extend your sentences
 - Qualifiers e.g. très, assez
 - Comparisons



A climate graph shows average annual precipitation (rainfall) and temperature throughout the year for a particular area.

Russia has a continental climate with tWO main seasons:
Long, dark, cold winters

Brief, often warm, summers.

Year	7 Geography
	Term 5

Why is Russia a vast wilderness?

Biomes of Russia		
An area of grassland, too dry for forests but with really fertile, good for farming soils called chernozems		
An area of coniferous trees (evergreen) that covers 60% of Russia.		
An area containing deciduous trees, such as oak and ask, can be found in the west of Russia		
An area found in the north, where temperatures drop to -50°C in the winter. Trees cannot grow because the ground is frozen all year, this is called permafrost.		

Large, hard

hooves to

find water

break ice to

- Russia shares borders with many countries including: China, Ukraine, North Korea and Norway.
- Russia is the largest country in the world, in terms of land area and covers 17 million km²

Physical landscapes of Russia Russia's longest river is the Volga. at 3692km long (Europe's longest river).

Caucasus Lake Baikal was formed by a rift valley.

Mountains It is the oldest and deepest lake in the where the highest

peak is

Viount

Mountains

Mountains

Mountains

form a spine

Mountains

a wilderness of rivers

Adaptations — how do plants and animals survive in the tundra?

Grow close to ground to protect them from the wind and cold

Darker leaves help absorb energy from

SLJFI Cottongrass

Shallow root system because soil is often frozen

Two
layers of
fUF tO
trap heat

Musk ox

Huddle together in winter to retain heat



central Russia

EI br S



My Free Time German Knowledge Organiser

Freetime

Was machst du gern in deiner Freizeit? Ich spiele gern am Computer/ Fu§ball/Tennis/Rugby/Ba sketball/Klavier/im Orchester. Ich hore gern Musik im Radio/am Computer. Ich schwimme

gern/tanze gern/chatte gern im Internet/teile

gern Fotos auf Instagramm/bastele gern/male gern... Ich gehe gern ins Kino/ins Café/in die Stadt/einkaufen

activities

What do you do in your freetime?
I play on the computer
I play football etc
I like listening to music on the radio/
On my computer
I like to swim, dance, chat on the internet, share photos on Instagram, make models.
Ilikegoing to the cinema, cafés, into town, shopping

Expressing likes using Ich mag

Ma gst du Sport?

Ja, ich mag Tanzen/Fun bal I/Ten ni s/Ba s ketball

Rugby magich nicht. Das istzu gefahrlich.

Ich mag Schlittschuhlaufen/Schneeboardfahren/Skatebaardfahren/Pferdereiten/Spazierengehen/laufen

undtaulenzen

Do you lke Sport?

Yes, I :ike
Dancing etc

I don't like rugby. It's too dangerous

I like Ice skating, snowboarding, skateboarding, horse riding, running and chilling **Irregular verbs**

sehen

Ich sehe Du siehst Er,sie,es,man sieht

wir sehen

ihr seht

Sie, sie sehen

Other irregular verbs

lesen (du liest), nehmen (du nimmst), fahren (du fahrst), tragen (du trdgst)

Ich fahre gern rad, Ich sehe gem fern, ich lese gem Romane und Comics.

Siehst du gern fern* Liest du gem Romane? Fa hrst du gern rad*

Leute People Mit With meinen Freunden My friends Meinen Eltern My parents meiner Familie My familie Meinem Bruder My brother Meiner Schwester My sister

Orte

I m Park/in der Stadt/inn Garten/zu Hause/bei mir **Places**

In the park/ in town/in the garden/at hone/at my house

Regular Verbs

spielen

Ich spiele

Du spielst

Er,sie,es,man spielt

wir spielen ihr spielt

Sie,sie s pielen

Other useful verbs

machen, horen, basteln, schwimmen, tanzen, gehen...

Enquiry: Why did the reformation matter?

Summary

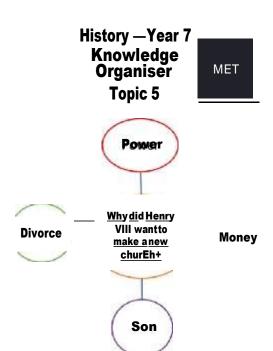
1	The reformation	Attempts to reform the Catholic Church and the
		development of Protestant Churches in western
		Europe are known as the Reformation.

Key Events

2	1509 — Henry VIII becomes King of England
3	1517 - Martin Luther nailed 95 problems with the Catholic church to a church door sparking the Protestant Reformation.
4	25 th January 1533 — Henry VIII secretly married Anne Boleyn.
5	23 May 1533 — Henry VIII marriage to Catherine of Aragon was annulled, they were divorced.
6	1536-1540 — The closure of English Monasteries by Henry VIII.

Key People

7	Martin Luther	A German monk that thought that the Catholic Church had too much power and was corrupt he set up the new Protestant churchs
8	Pope Ciement II	The head of the Catholic Church that refused to give Henry VIII a divorce.
9	Henry VIII	King of England from 1509-1547. Head of the Church of England.
10	Thomas Cromwell	Henry VIII puthimin charge of getting rid or the monasteries.



PEE Paragraphs

To write a paragraph you explain your points in history we use PEE.

Point: Make your point to answer the question.

One reason Henry VIII made a new church was because he needed money.

Evidence: Give facts that support your

He didn't have any money because...

Explain: Give reasons why this evidence backs up your point.

By making a new church Henry VIII knew he would be oble to gain money

		
11	heir	Next in line to the throne.
12	Roman Catholic	The Christian church of which the Pope, or bishop of Rome, is the supreme head.
13	Protestant	Someone who follows the principle of Christianity using beliefs developed from the Reformation.
14	Break with Rome	Henry VIII decided to do this when the Pope would not authorise his divorce from Catherine of Aragon. He decided to break away from the Catholic Church and become head of the Church of England.
15	Dissolution of the Monasteries	The monasteries that were run by the Catholic Church and were homes for Monks and Nuns were closed down. They also provided hospital care and charity to the local people.

Key Terms

Six Wives of Henry VIII

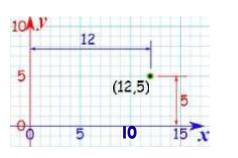


Coordinates

A set of values that show an exact position.

On graphs it Is usuaJly a pair of numbers, the first number shows the distance along, and the second number shows the distance up or down.

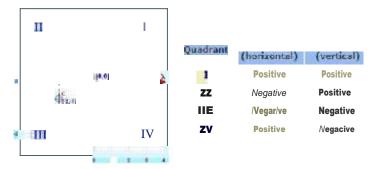
Example: the point {1Z,5} Is 12 units along, and 5 units up.



The Origin

The point (0,0) is given the special name "The Origin", and is sometimes given the lerter "0".

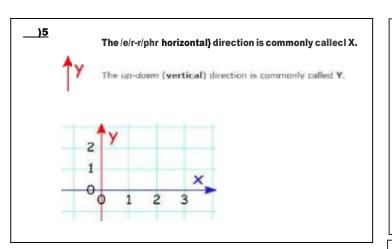
<u>Four Quadrant</u> When we include negative values, the x and y axes divide the space up inta 4 pieces:

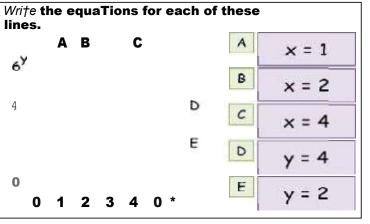


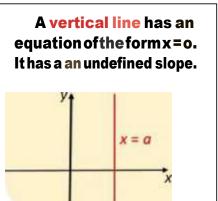
Useful Links

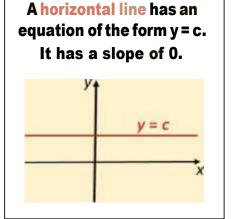
httos://vle.mathswatch.co.uk/vle/ https://corbettmaths.com/contents/

https://www.bbc.co.uk/bitesize/guides/zg3rd2p/revision/1

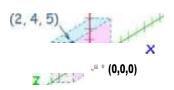








<u>3D coordinates</u> — Cartesian coordinates can be used for locating points in 3 d imensians



Here the point (2, 4, 5) is shown in three-dimonsfonal Cartesian coord mates

Keywords

Ouadrant: four quarters of the coordinate plane.

Coordinate: a set of values that show an exact position.

Horizontalit a straight line from left to right (parallel to the x axis).

Vertical: a straight line from top to bottom (parallel to the y axis).

Origin: (0,0) on a graph. The point the two axes cross.

Parallet Lines that never meet.

Angle and Line notation

When we describe angles and lines we use mathematical notation.

Triangles:

We can describe this triangle as bABC



Right Angle (90°)

We can show a right angle by using asmall square.



Angles:

We can describe angle z as zBAC

This is an angle produced by drawing a linefrom vertex BtoA, then to C. We could also describe this angle SCAB



Sides

We can use describe the orange side of this triangle as side AB



It goes between vertex A and vertex B

Sides of equal length

We can use small lines to show equal sides. In this triangle side AB and BC are equal

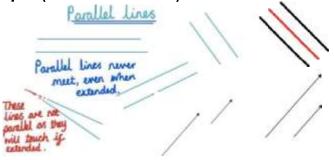


This triangle has no equal sides.

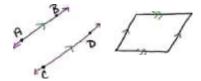


Parallel and Perpendicular Lines

Lines are parallel if they are always the same distance apart (called "eouidistant"). and will never meet.



We use arrows to show lines are parallel to each other.



This parallelogram has two sets of parallel lines, shown hy the twn sets of

Lines are perpendicular if they are at a right angle (90°) to each other. We use the right angle symbol to show this





What is the difference between perpendicular and parallel lines?

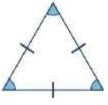


When we rotate a perpendicular line by 90° it becomes parallel (but not if it touches!) Likewise, parallel lines become perpendicular when one line is rotated 90°.

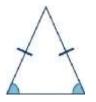
Properties of Triangles

A vertex, is point where two or more line segments meet. This is often called a corner.

TrinnQ Yes have 3 sides o and 3 vertices. The total o} the ang(es in a triangle is 180°.



An eqiivtnternt **triangle is a reg ular** pot9go n. It hns sides o{ equnl length end eoch eng te is 60 '

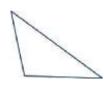


An isoscetes triangle hos two stdes o{ equol length ond two nngles oJ equnl size.



A right-angled triangle always has one 90 angle.

It con be tsosceles o r scnlene.



A scolene triangle has no equa(sides or angles.

Useful links

BBC Bitesize

Maths isfun

MathsWatch

Music Notation -Year

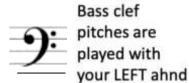




Treble Clef Notes

KEY:

- **Music is written** on the staff
- Bar lines divide the music into different bars
- The time signature tells you how many beats per bar
- The clef tells you which set of notes you are using
- Notes tell you how long to play
- Rests tell you not to play (and for how long)

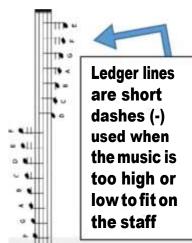


eighth note:

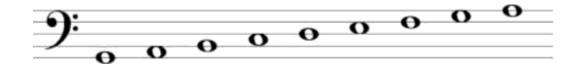
* argitth rest

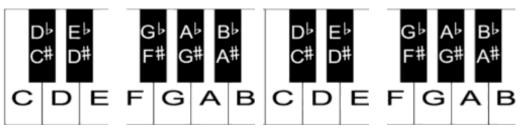


Treble clef pitches are played with your RIGHT hand



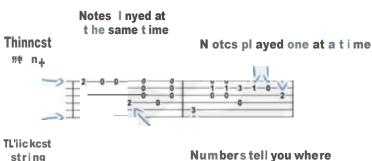






0= open string





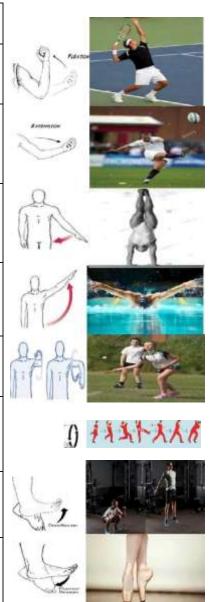
to pul your fingers



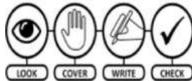
Key Stage 3 Knowledge organiser — Year 7 Core PE Unit 3: Analysis Of Performance



	Anato	omical Movements
1	Flexion	Decreasing the angle at the joint.
2	Extension	Increasing the angle at the joint.
3	Adduction	Limb moves towards the mid- line of the body.
4	Abduction	Limb moves away from the mid- line of the body.
5	Rotation	A circular movement around a fixed joint.
6	Circumduction	When the limb moves in a circle.
7	Dorsi Flexion	Bending the foot up towards the shin.
8	Plantar Flexion	Bending the foot downward towards the ground.



	Methods	of Performance	Analysis
	Method of analysis	Explanation	Example
9	Verbal feedback	Spoken feedback used to improve performance levels.	
10	Tally chart	Visual information on the number of items or happenings.	Sport Votes from kids Footbell +++++ Soccer Sarkethall Tennis ++++
11	Peer observation	When someone else in the class watches you perform and feeds back to you.	





Philosophy, Religion and Ethics: 7.4: Who are the Sikh Gurus? Meaning Picture Key Concept 1) Guru Tmach«r. Sikhs have t0 hurran Gurus and one Guru which is a book. 2) Guru The Sikh holy book, which is the final Guru. **Granth Sahib** 3) Langar The food that is freely shared at the 6urdwara and the kitchen and hall where the Si kh community eat. 4) Khalsa The community of baptised Sikhs thot was started by Guru Gobhind Singh. 5) Waheguru This is the Sikh name for the one 6od. It Orleans †he 'grea† teacher who brings light and ends darkness'. 6) Gurdwara The Sikh place of worship, it rreans 'the doorway †a the Guru' because the Guru Granth Sahib is kept there. 7) Equality The bdief †hat all people are equdly valuable because †hey havo God's spark in them, for exarrgle in Sikhism both worren and men can join the Khalsa. 8) Xhanda The Sikh symbol showing 3 swords and the kara - it represents Sikh responsibility to God and to protect the weak in society.

91 Nanak was born in an area of India called the Punjabin 1469. his family was Hindu. There were Sikhs and MuslirrB living in the Punja b and they were often in conflict.

Nanak was sent to as chool for Hindu boys, but he left because he only wanted to I earn about God.

Nanak's father gave him a job looking after cows, one day the cows ate all the crops in a poor man's field. The poor man got angry and went to see how much damage there had been in the field. When he got there was no damage a nd no crops missing. Sikhs think this was a miracle.

When he was 30 Na na kwent to the river to wash and pray, but he vanished and his friends thought he had died. He reappeared after 3 days and said he had talked to God. Nanak said:

"There is no Hindu or Muslim, only man. Whose path shall I follow? God is not Hindu or Muslim, I shall follow Gods path"

People started following Na nakand called him Guru. He taught that although there are many religions there is only one God. Guru Nanak was a pluralist (someone who believes there are many ways to God.)

When Nanak died he told the Muslims and the Hindus to plant flowers around his grave. The Muslims would planton one side and the Hindus would planton the other. Nanak said the flowers would bloom on the side that represented the correct religion. The day after he dies, flowers bloomed on both sides of his grave.

10	Caste system	A system from ancient I ndi a used predominantly by Hi ndus whereby people are born into different classes. Most Hi ndu's do not follow this today.
11	The festival of Vaishakhi	A Springfestival for Si khs and Hindus, for Si khs it marks the formation (creation) of the Khalsa (community of Si khs).
12	AmrR ceremony	An i niti ation ceremony that Si khs go through to joi n the Khal sa.
13	Singh	Once Sikh men have been through the Amrit ceremony to join the Khalsa they take on the surname Singh which translates as lion. Having the same surname creates more equality and rejects the caste system.
14	kaur	Once Sikh women have been through the Amrit ceremony to join the Khalsa they take on the surname Kaur which translates as princess. Havingthesame surname creates more equality and rejects the caste system.
15	Kanga	One of the 5 k's, it is a special comb that represents cleanliness.
16	kesh	One of the 5 k's, the uncut hair that symbolizes spiritual power.
17	Xara	One of the 5 k's, a steel bangle representing unity, of self and a process of constant I earning.
18	Xirpan	One of the 5 k's, a Si kh sword, a symbol of respect and justice.
19	Xachera	One of the 5 k's, a special pair of shorts, a symbol of modesty.
20	Reincarnation	The Sikh, Hindu and Buddhist belief that when you die, a part of you is reborn into a new body. The ultimate goal is to be released from the cycle of reincarnation.



- When handling acids and alkalis in the lab we need 1. Safety (1) Irritant Corrosive to take safety precautions, for example wearing
- Concentrated Acid is corrosive, and will destroy skin cells. •
- irritant and cause redness or blistering of the skin. Dilute acids have lots of water added, they are an

4. pH Scale

- The pH scale measures the strength of acids and alkalis, it runs from 0-14
- neutral solutions are pH7 exactly
- acidic solutions have pH values less than 7
- alkaline solutions have pH values more than 7
- the closer to pH 0 you go, the more strongly acidic a solution is
- the closer to pH 14 you go, the more strongly alkaline a solution is



Acids (pH 1-6)



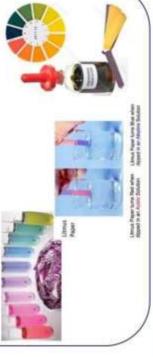
- lemon juice, vinegar and Coca Cola. There is also Acids are a family of chemicals, examples are acid in our stomach.
- Acids contain Hydrogen (H+) ions.
- corrosive this means they destroy skin cells Strong acids like hydrochloricacid are very and cause burns.
- Weak acids like vinegar are safe to eat but are still irritant to sensitive parts of the body

KS3 Science

Acids & Alkalis

5. pH Indicators

- Indicators are chemicals that show whether a substance is an acid or an alkali
- There are many different indicators, for example litmus paper and universal indicator
- There are also natural indicators such as red cabbage



3. Alkalis (pH 8-14)



- Alkalis, are a family of chemicals that have a soapy feel, they are also corrosive, examples of these are toothpaste, soap and oven cleaner.
- Alkalis contain Hydroxide (OH-) ions.
- Alkalis are bases that dissolve in water. Therefore not all bases are alkalis.

6. Neutralisation

- A chemical reaction happens if you mix together an acid and a base. The reaction is called neutralisation. A neutral solution is made if you add just the right amount of acid and base together.
 - Neutralisation reactions form salts the name of the salt depends on the name of the acid, and the metal in the base
 - Hydrochloric acid makes "chlorides", Ni tric acid make "nitrates", Sulphuric acid makes "sulphates"

Acid + Metal Hydroxide → Salt + Water Acid + Metal Oxide → Salt+Water

General equations for neutralisation reactions:

Acid + Metal Carbonate → Salt + Water + Carbon dioxide

Farmers use lime (calcium oxide) to neutralise acid soils. this causes indigestion. Antacid tablets contain bases to Your stomach contains hydrochloric acid, too much of neutralise the extra acid.

Wasp stings are alkaline, they can be neutralised using vinegar.

SCIENCE -PHYSICAL & CHEMICAL CHANGES

1. Particle Theory

All matter is made up of particles.





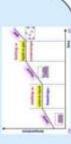
- 000 9 0
- Solids arranged in a regular pattern and can only vibrate in a fixed position.
 - Liquids arranged randomly but are still touching Gases, particles are far apart and are arranged each other, can move.

2. Physical Changes

randomly.

heated from liquid water to gaseous steam, only the appearance is changed, but no chemical bonds are appearance of water is changed - both steam and broken or formed. For example, when water is liquid water have the chemical formula H₂O. In a physical change, the matter's physical





3. Chemical Changes

- Chemical reactions create new substances.
- Chemical reactions can also be used to transfer energy by burning fuels.

atoms rearrange themselves and then join back

In a chemical reaction the

together in a different way.

empereture given off or gas

4. Conservation of Mass

The Law of Conservation of Mass states that mass cannot be created or destroyed.

Diffusion is the movement of particles from a higher

6. Diffusion

concentration to a lower concentration.

Diffusion will stop when particles spread themselves

evenly. Diffusion occurs in liquids and gases butnot

in solids, because particles in a solid are not free to

move.

10g of water and 10g of water evaporates into 10g change of state. For example, 10g of ice melts into Therefore, mass stays the same before and after a of water vapour. The same applies to other substances



7. Factors affecting Diffusion

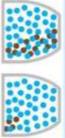
Diffusion

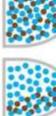
There are 2 factors affecting the rate of diffusion:

- particles gain more energy. They can then move Temperature: When temperature increases, and spread out at a higher rate.
- the rate of diffusion increases because there is a Concentration: When concentration increases, steeper concentration gradient.

Physical and Chemical Changes

KS3 Science







8. Brownian Motion

5. Conservation of mass in chemical change

reaction. Instead, they just join together in a different

No atoms are created or destroyed in a chemical

form products. This means that the total mass of the

way than they were before the reaction, and

products in a chemical reaction will be the same as

the total mass of the reactants.

they are bombarded by the other moving particles in the fluid. Larger particles can be moved by light, fast-This is called Brownian motion. They do this because Particles in fluids (liquids and gases) move randomly.

occurred.

8

moving molecules.

microscope to look at pollen grains moving randomly Brownian motion is named after the botanist Robert n water. At this point, he could not explain why this Brown, who first observed this in 1827. He used a

1. Magnetic Materials

magnetic material can be magnetised or will be attracted Most materials are not magnetic, but some are. A to a magnet. These metals are magnetic:

- · Iron
- · Cobalt
 - · nickel

Steel is mostly iron, so steel is magnetic too.



A bar magnet is a permanent magnet. This means that its

2. Permanent magnets

magnetism is there all the time and cannot be turned on

or off. A bar magnet has two magnetic poles:

 north pole (or north-seeking pole) south pole (or south-seeking pole)

4. Magnetic fields

A magnet creates a magnetic field around it. You cannot magnetic field. The force is a non-contact force because the magnet and the material do not have to touch each see a magnetic field, but you can observe its effects. A force is exerted on a magnetic material brought into a

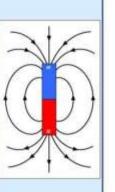
produces a magnetic field in which the field lines are most

The Earth behaves as if it contains a giant magnet. It

6. The Earth's Magnetic Field

concentrated at the poles. This magnetic field can be

detected using magnetic materials or magnets.



7. Navigating with a compass

A compass comprises:

- a magnetic needle mounted on a pivot (so it can turn freely)
 - a dial to show the direction

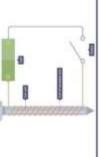
The north pole (north-seeking pole) of the compass needle to the N on the dial, you know that the compass is pointing points towards the Earth's north pole. If the needle points north. This lets you navigate outdoors using a map.

KS3 Science

Magnetism

8. Electromagnets - extra content

magnetic field around the wire. This effect can be used to When an electric current flows in a wire, it creates a make an electromagnet. A simple electromagnet comprises a length of wire turned into a coil and connected to a battery or power supply



Although we cannot see magnetic fields, we can detect

- field lines are more concentrated at the poles.



5. More Magnetic Fields

them using iron filings and plot them with a plotting compass

- field lines point from north to south pole
- The magnetic field is strongest at the poles, where the field lines are most concentrated.

How can you test if a piece of metal is actually a magnet? Seeing if it sticks to a magnet is not a good test, because

opposite poles attract (N and S)
 like poles repel (N and N, OR S and S)

pole (5).

Magnets have two poles, a North pole (N) and a South

3. Attract or repel?

unmagnetised iron, steel, cobalt and nickel objects will

also do this. So you can only show that an object is a

magnet if it repels a known magnet.



Components in parallel circuits are connected on different

branches of the circuit.

6. Parallel Circuits

SCIENCE - ELECTRICY & CIRCUITS

1. Electric current

An electric current is a flow of charge, and in a wire this will be a flow of electrons. We need two things for an electric current to flow:

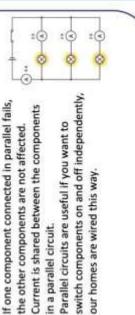
- something to transfer energy to the electrons, such as a
- a complete path for the electrons to flow component into the circuit (such as a lamp), To do something useful with the electric that can use the current in a useful way current, you need to put an electrical battery or power pack

2. Circuit symbols



4. Potential difference

Potential difference is measured in volts, the symbol is V. difference in energy, the bigger the potential difference. energy between two parts of a circuit. The bigger the Potential difference is a measure of the difference in called a voltmeter, unlike an ammeter, you must Potential difference is measured using a device the potential difference across a component in connect the voltmeter in parallel to measure



Parallel circuits are useful if you want to

in a parallel circuit.

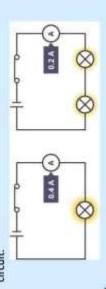
our homes are wired this way.

φ

the other components are not affected.

7. Resistance

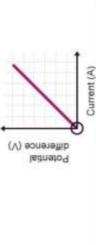
The unit of resistance is the ohm, and it has the symbol O the flow of charge through them. This is called resistance. The wires and the other components in a circuit reduces Resistance increases if you add more components to a



8. Calculating resistance

Resistance = current x potential difference The equation for calculating resistance is:

if you plot a graph of current against potential difference for a wire, you get a straight line.



KS3 Science

Electricity and Circuits

5. Series circuits

A series circuit contains components connected one after Current is the same everywhere in a series circuit In series circuits, if one component fails, all the the other, like the episodes of a series on TV. components stop working.

Series circuits use less wire than Current is shared between the Components in a series circuit.

To measure the current flowing through a component in a

circuit, you must connect the ammeter in series with it.

Current is not used up in a circuit

Current is a measure of how much electric charge flows

3. Current

Resistor

through a circuit. The more charge that flows, the

bigger the current. Current is measured in amperes (amps), the symbol is

φ ŧφ 8







Free time activities - Year 7 Spanish ARE 5 vocab list

¿Cdando? Normalmente Generalmente **Todos los dias** Dos veces a la semana De vez en cuando Rara vez Cuando puedo Jamas/nunca A veces

When? Normally Us ually **Every day** Twice a week From time to time Rarely When I can Never Sometimes

¿Quéte qusta7 Jugar al futbol Jugar al rugby **Jugar al tenis** Jugar al golf Jugar al voleibol Jugar al baloncesto Hacer ciclis mo Hacer esqui Hacer patinaje **Hacer natacion** Hacer gimnasia **Hacer equitacion** Hacer atletis mo

What do you like? To play football To play rugby To play tennis To play golf To play volleyball To play basketball To do some Cycling To do some skiing To do some ice skating To do some swimming To do some gymnastics To do some horse-riding To do some athletiCS



¿Qde tiempo hace?

Hace buen tiempo

Hace calor

Hace sol

Hace fn'o

Llueve

Nieva

Hav viento

Hay nubes

Hay tormenta

Hace 25 grados

Hace mal tiempo

like?

It is hot

It is cola

It is raining

It is windy

It is snowing

There are clouds

There are storms



¿ Qué te gusta ver?

What is the weather Me gusta ver Las noticias La comedia It is good weather El dibujo animado Eldocumental It is sunny El programa It is 25 degrees La telenovela It is bad weather

La pelfcula romântica La pelicula de acción La pel icula de terror La pelicula policiaca La programa de juegos La serie

What do you like to watch?

I like to watch Tne news Tne comedy The cartoon The documentary The programme The soap opera The romantic film The action fil m The horror film The detective film The game s how The series

What do you like to do?

To watCh TV To listen to music To go to tne cinema To read a book To go shopping To go to the park To go to tne gym To go to the spoKs centre To go out with my friends

To vis it family To go to town

Hacer I a cocina To s ina To swim

Hacer mis deberes Desca rgar mdsica Navegar por Internet

¿ Qué te gusta hacer? Ver la television

Escuchar musica

Ir al cine

Leer un libro

Ir de compras

Ir al parque

Ir al gimnasio

Tocar el piano

Ir al centro

Cantar

Nadar

Ir al polideportivo

Salir con mis amigos

Visitar mi familia

Jugar a los videojuegos Chatear con mis amigos Sacar fotos

Ver los videos divertidos Mandar mensajes

Comprar en linea

Ver las videos de voutube Escribir un correo electronico usar mi movil

To play the piano To cook

To do my homework To download music To surf the Internet To play video games

To chat online with my friends

To take photos

To watch funny vi deos

To send texts To buvonline

To watch Youtube videos

To write an email

To use my mobi le phone





Year 7 Spanish ARE 5 Free Time Activities Knowledge Organiser

Sports and other hobbies with opinions + inf. including. jugar and hacer Weather. Llevar, vivir & comer are a regular verbs which follow the pattern below. The verbs "jugar" and "hacer" are irregular but important verbs, especially for this topic on sports.

Pronouns	llevar-to wear	vivir-to live	comer-to eat	Hacer to do
Yo (I)	Llevo – I wear	Vivo- I live	Com <mark>o</mark> – l eat	Tu haces – you do ÉI/ella hace – he/she does Nosotros hacemos –we do
tú (you)	Llevas – you wear	Vives – you live	Comes – you eat	Vosotros hacéis – you (pl) do Ellos hacen – they do
el (he), ella (she),	Lleva - He/she wears	Vive - He/she lives	Com <mark>e</mark> – he/she eats	Jugar – to play Yo juego- I play Tu juegas – you play
nosotros (we)	Llevamos – we wear	Vivimos – we live	Com <mark>emos</mark> – we eat	EI/ella juega – he/she plays Nosotros jugamos –we play Vosotros jugáis – you (pl) play
vosotros (you) (pl. or formal)	Llev <mark>áis</mark> – you wear(pl. or formal)	Vivis – you live (pl. or formal)	Com <mark>éis</mark> – you eat (pl. or formal)	Ellos/ellas juegan – they play Now you should be able to create some of your own questions using the
Ellos/ellas (they)	LLev <mark>an</mark> – they wear	Viven – they live	Com <mark>en</mark> – they eat	question words below. Don't forget the upside down question mark at the beginning of a question.

How to improve your writing?

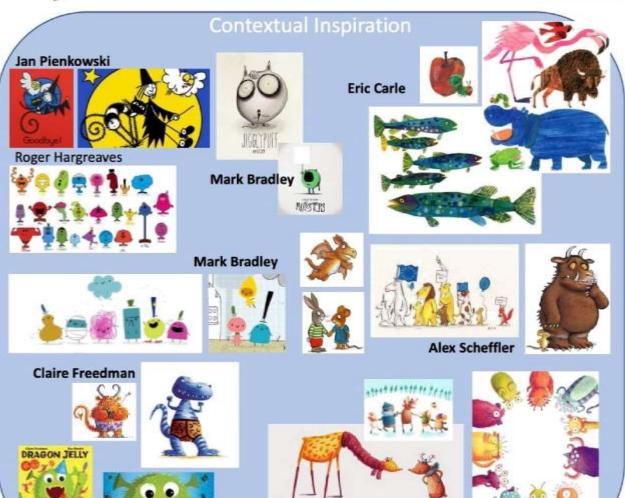
When writing in Spanish, you can make your sentences better by adding the following:

- Rather than just using 'yo', write verbs using other pronouns Range of opinions and reasons
- Connectives to extend your sentences
 - Qualifiers e.g. muy, bastante
 - Comparisons

¿Cuántos? - How many? ¿Cuándo? – When? ¿Dónde? – Where? ¿Por qué? - Why? ¿Quién? - Who? ¿Cuál? – Which? ¿Cómo? - How? ¿Qué? What?

Year 7 Textiles

Design Brief: You have been asked to design and make a monster themed cushion using the textiles technique 'applique'.



Monika Philipina

Artist Analysis

- I have researched the work of ... (artists name)
- I selected this artist because...
- The artist's work relates to my project theme because...
- ... (artists name)... 's artwork is (abstract, surreal, expressionist, minimalist etc.)
- The techniques the artist has used include...
- The artist has used the following media... (name the materials and combination of materials if you know it)
- By looking at the work of this artist, it has given me ideas for my own work. These include...
- I was particularly drawn to the work of this artist over the others because...

Keywords

Textiles Work your Plain seam way up to analyse use technical sustainable embellishment language and improve Woven/ bonded/ knitted your textiles Free machine function literacy embnNdery devcop **Complementary colours**

environment fastening equipment iron context

appliqué effect improve

colour machine

oattem theme

Fabric th...d

Sentence starters

I have designed.... The context of my design is...

My research is useful because...

By researching, I am able to.....

By researching I have found out....

I researched into....

My design is suitable for

My design is based upon...

I have planned to ..

The order I will work in is...

The most enjoyable part of m project was...

The area I found most challenging was... I am most pleased with...

I am pleased with my finished project

because...

Equipment I used was...







Vear 7 The Natural World

Content: In this project you will

Knowledge—learn about different styles of drawing

Understand—The processes and techniques artists u5e to create their work and how to critically analyse artists work.

Skills—observational drawing, illustrative drawing, shading, mark making, and print making showing the influence of other artists in your own work and presentation.



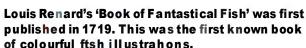
Printmaking is the process of creating artworks by printing, normally on paper. A prinhng block can be carved from wood, lino, foam or even a potato Artists use print making so they can reproduce the same image several times. Artists sometimes use print making to create a repeat pattern.











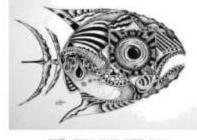
The boak supposedly shows marine life from the East Indies in 1719 when Europe knew very liftle about nature in that regian. The marine life and fish paintings in the boak have received a certain amaunt of artistic license. A few are even completely fictitious in Cluding a port rait of a mermaid.

Louis Renard's created these ish paintings with out ever visiting the East Indies. He based the p a in fings on d rawings and scientific notes of at her artists.





Dmojo is a street artist from Kuala Lumpar, Malaysia He uses acrylic paint and spray paint to create his murals. He draws his designs in a sketch book small before creating his murals (wall art). He uses pattern and colour in the background of his work fordecoration.





Mark making is a term used to describe the different lines, patterns, and textures we create in a piece of art. It applies to any art material on any surface, not only paint on canvas or pencil on paper.

Keywords

Natural—existing in or derived from nature; not made or caused by humankind

Mural-a painting or other work of art executed directly on a wall.

Illustration-a picture illustrating an idea in a book, newspaper or leaflet etc.





Year 7 - Computer Systems

Strong Passwords

Prevents unauthorised access to a computer system.

- Uppercase letters
- Lowercase letters
- Symbols

Numbers

8 or more characters

Saving Files

It is important to regularly save files/work so that you do not lose your work.

How to save a file?

- Save in your area on the computer
- Save in your documents Save with an relevant file
- Saved in an appropriate folder structure
- Save the file in a folder that is relevant to the topic

Save and Save As

"Save" updates a file "Save As" creates another

version of the file

Internet

The Internet is a network of computers around the world.

Networks

Computers connected together that share data and resources.

Social Network

- A network of social interactions and personal relationships.
- A dedicated website or other application which enables users to communicate with each other by posting information, comments, messages, images, etc

Personal Information (Safe to Share)
Information that cannot be used to identify
you e.g. your favourite food
Private Information (NOT Safe to Share)

Information that can be used to identify you e.g. Mothers maiden name, Date of Birth, Phone number

Cloud Storage

Cloud computing is storage that you can access through the Internet.

Advantages

- Files can be accessed from anywhere
- You have unlimited storage space and can store for free
 - Allows you to create more local storage
 - Good form of a backup storage
- Does not require expensive hardware

Disadvantages

- You need internet access
 - Has the potential to get hacked
- Data could be seen by a third
- Can be expensive long term



Year 7 - Hardware

Hardware

Any physical component of a computer system.

Internal Hardware: Found inside the computer

External Hardware: Found outside the computer

Peripheral Device

Addition hardware connected externally. Input Device





Output Device

Hardware used to present data to a user.







Embedded System

Example: Microwave, Dishwasher, Fridge A computer inside of a larger system

RAM

Volatile memory (lost when the power use. The CPU fetches data from the s off) used to store data in current accessed directly by the CPU Primary Memory - Memory

Instructions are then decoded

memory.

to find out what processing

needs to be done.

Instructions are fetched from

The processor works by using the "Fetch Decode Execute Cycle"

CPU is a component that

CPU

processes data

instructions are the executed.

1. Fetch



Storage Devices

3.Execute

Secondary Storage - Long term data store.

Non - Volatile memory (stays when

2. Decode

Magnetic - Data on magnetic disks

- Relatively cheap
- Can be damaged easily

Solid State - Data on ROM chips Fast, shockproof, energy sage

- Optical Data on disks, read by laser Expensive
 - Cheap and portable
 - Easily damaged



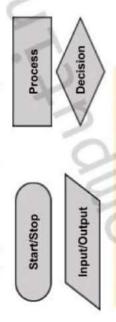


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Year 7 - Computational Thinking

Flowcharts

Using symbols to represent algorithms.



Computational Thinking Algorithm

Step by step list of instructions to complete a task

Abstraction

Process of removing unnecessary details

Decomposition

Process of breaking down tasks into smaller sub

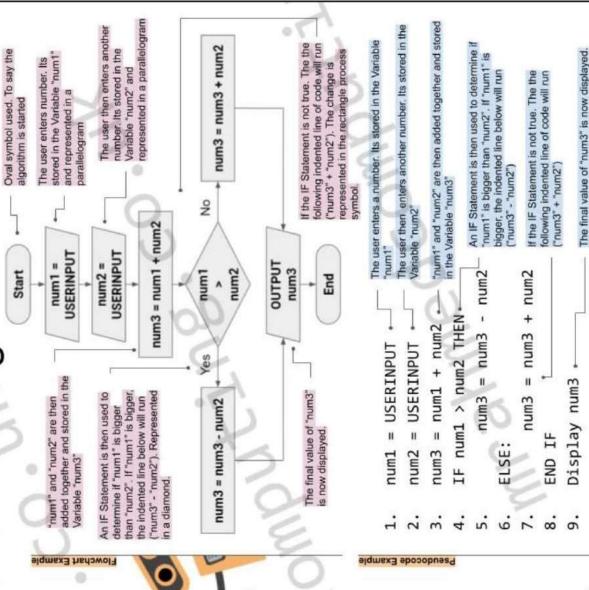
Pattern Recognition

Finding the similarities or patterns among small, decomposed problems

Pseudocode

Representing algorithms using a common language.

- Get name
- . IF name = "Mr Ahmed":
- Display "You are cool"
 - 4. ELSE 5.
- . Display "You are kind of cool"



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ASCII TABLE

Year 789 - Data Representation

Number Bases

Base 10 Numbers - 23, 5

Base 2 Numbers 01010101 Binary Arithmetic

Rules of Addition

0 = 0 + 00 + 1 = 1+0=1

143 11 2 32 64

ASCII and Unicode

bit ASCII used to represent 128 characters in binary Only enough for English language ASCII

Jnicode

Created to extend binary values for other languages using 6 bit numbers. This allows for 65,536 characters to be

0

0

0

0

					_	-	_
	4	bits	80	bytes		(2554)	(4167)
	×	32	-	4		0	-
	00	11	32	н		-	
						0	
	bifs	bits	pits	bits		-	0
	80	8	œ	8		-	0
	н	п	п	п		-	0
	-	•	0	,-		-	-
	-	0	0	0		-	0
	0	0	-	0		-	0
	0	0	0	0		0	0
	0	0	-	0		0	0
IJ	0	0	0	-	ш	-	0
P	-	*	-	0	0	0	-
-	0	0	0	0	0	0	0
-	10	11	H	11	O	0	0
O	19	65	翠	33	=	0	0
s	н	.01	11	111	z	11	11
4	O	۷	F	-	0	ò	提

Representing Images

Pixel - Small dot on of colour on an image Resolution - Amount of pixels on an

0

0

0

0

created to represent a

number

OVERFLOW ERROR When and extra bit is

+1+1=1 Carry 1

+ 1 = 0 Carry 1

0

2Mb to Bits

you use, the higher the file

The more bits of Binary

Storage Units

Colour/Bit Depth - Amount of bits in each actors that affect the quality and file pixel (amounts of colours available)

creasing resolution and colour depth eans the quality will improve. It also eans the file size will increase

le size (bits) = Resolution x Bit Depth

orking out file size:

8				
5	+	0	0	0
-	-	0	0	0
-	-	۳	-	+
3	-	0	0	-
0	٠	0	0	0

0	
0	Bits
0	0000
0	0000
0	= 1
0	Mb
0	14
-	

×1000 ×1000

Megabyte Gigabyte

+1000 1000

+1000

x1000

erabyte

x1000

Kilobyte

Byte

1000

N O O O

Questions and activities - hints and tips

Summarising a lesson:

Answer the following questions to help you summarise your learning in a lesson. This will help you recap and think again about your learning, and will be useful to look back on in the future.

- What key words did you use in the lesson?
- Canyou define those keywords and use them in a sentence?
- What new content did you cover?
- How does this link to your previous learning?
- Can you summarise your learning into one sentence?

Revision:

If you have an MCQ approaching, you could create some revision material based on your knowledge organiser.

Can you get down the key information in a spider diagram?

Can you use diagrams, pictures, symbols etc to recall your knowledge?

Knowledge quizzes:

Create a set of questions using the information from your knowledge organiser, or from your lesson.

You could make them about key words, and maybe even give multiple choice answers.

Go over the questions you keep getting wrong.

Try the questions out with those at home, or maybe your teacher could use them for their starter quiz in class.

Keyword Development:

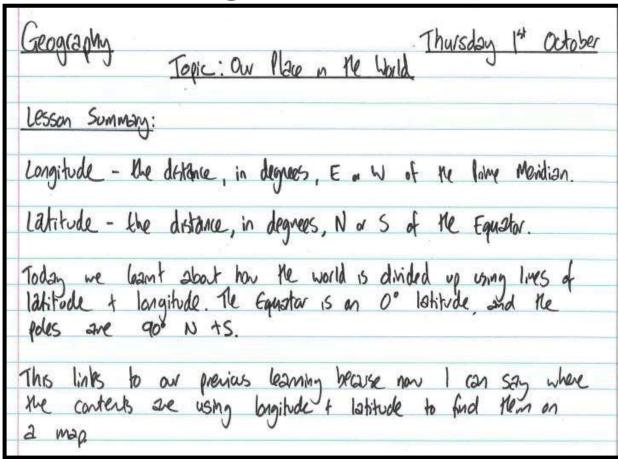
Practise the spellings of key words. Use the look-cover-write-check method to help you.

Can you explain what the key words mean?

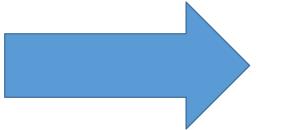
Can you link the key words together?

Copy out the key words with their definitions.

What might it look like?



Knowledge Quiz:

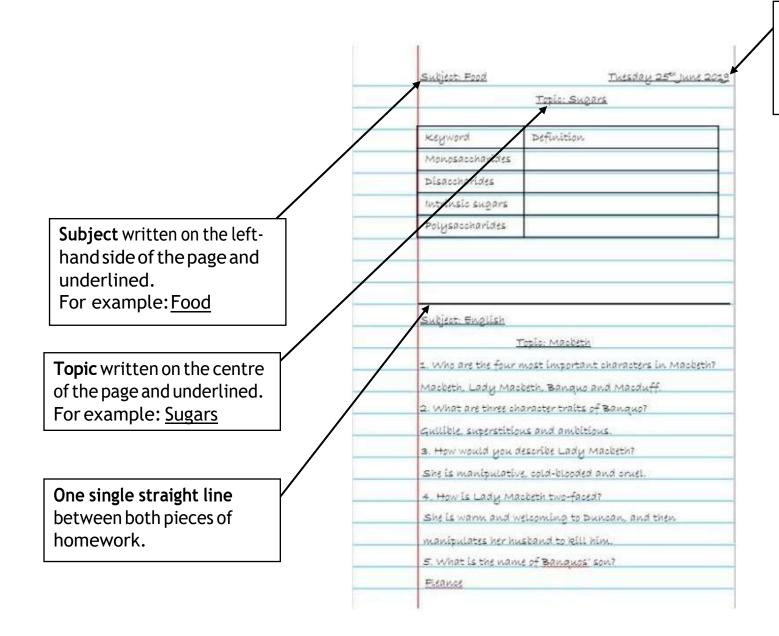




Lesson summary:

	Science
	Topic: Cells Monday 28th September
	Enalledge Olizi
	what is the name of the part of the microscope where the specimen
1.]	is pleced? A = Stage
2)	How many cells are there in a "unicellular" organism?
	A= ONE
3.)	what does the 'cell membrane' do?. A = controls movement of substances in t out of the cell
	A = controls movement of substances in that at the cell
4)	whose does photosynthesis take place in a cell? A = Chlaroplast
5.)	Mat is the function of the red blood cells?
0	As to cam oxygen

How to present your homework:



Date written fully on the right hand side of the page and underlined - this should be the day you complete the homework.

Notes