



Why should I self-quiz?

on the other than is effectively limitless. working memory is limited, and therefore it can be very easily overwhelmed. Your long-term memory Your mind is split into two parts: the working memory, and the long-term memory. Everybody's

These facts and processes can be retrieved to stop your working memory becoming overloaded. You can support your working memory by storing key facts and processes in long term memory.

information that needs to be memorised to help you master the subject and be successful in lessons. This booklet contains knowledge organisers for each of your subjects. Each organiser has the key

How often should I self quiz?

many ways to learn the material in your knowledge organiser. information in your knowledge organiser, you will need to work with it more than once! There are Research shows that regular self-testing improves knowledge retention; in order to learn the

How to use your Knowledge Organiser

0 as much as you can from memory. Check the knowledge organiser to see if you are right; Cover - Write - Check: Cover up one section of the knowledge organiser and try to write out correct any mistakes and fill in any missing information in a different coloured pen.

Repeat this process at least twice to fill your page. You could also include content from the previous week's homework, especially if there were some parts that you struggled with.

- 0 Draw a mind map: Jot down everything that you can remember from the knowledge organiser. Check accuracy, correct in a different coloured pen and repeat.
- 0 Revision Clock: Draw a clock and add the topic in the middle. Break the clock face into clock ands recite the information aloud. 10-minute sections. Add notes from the knowledge organiser in each section. Cover the
- 0 Create Flashcards: Use the information from your knowledge organiser to create flashcards keyword on one side and the definition on the other. these could be double sided, with a question on one side and the answer on another, or a



they test themselves after learning something Research shows a student remembers 50% more when





Reading for 6 minutes a day reduces stress by 68%.



Read 20 minutes a day and you'll read 1,800,000 words per year.

		We	Week 2		
20 Minutes Per Subject	Monday	Tuesday	Wednesday	Thursday	Friday
Subject 1	Science	English	English	Maths (MyMaths)	Science
Subject 2	RE	Maths	RE	Drama	Geography
Subject 3	Music (Practical)	History	Technology / IT	MFL	Art (Practical)

		We	Week 1		
20 Minutes Per Subject	Monday	Tuesday	Tuesday Wednesday Thursday	Thursday	Friday
Subject 1	English	Science	Maths (Mymaths)	Maths	English
Subject 2	RE	PE	RE	Science	Geography
Subject 3	Music	History	Technology / IT	MFL	Art

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Homework Schedule

You should complete at least one hour of Home Learning per school day.

This will consist of:

- **o** Knowledge Organiser and Online Learning as directed by your teachers.
- 0 If you have no tasks set, carry out Knowledge Organiser activities as per the Knowledge
- Two periods of 20 minute reading each week



What are the homework expectations?

Each homework must meet the following 5 requirements:

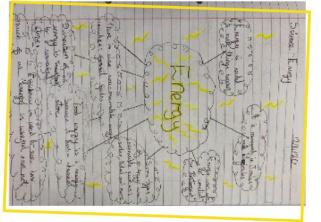
- 0 Write the complete title and date in full e.g Wednesday 7th June 2023 on each page and underline.
- 0 You should include minimum of words to summarise the topic. Do not copy the words from the text.
- 0 Make full use of the page for each topic by scaling your notes and images appropriately to use all the space
- 0 You must include diagrams, sketches, or cartoon doodles to visually represent the topic, try to use humour.
- 0 Highlight key words and phrases, using underlines and highlighter pens, and explain technical terms

How should I present my work?

ruler and you should present your work as neatly as you are able to. class work: dates and titles (which should be the name of the subject) need to be underlined with a Please remember that the same rules apply to the presentation of your homework as applies for your

If you are self-quizzing correctly, there should be evidence of green pen on your page. Here are some examples of how to set out your work:



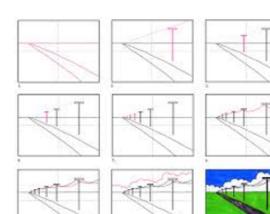


DON'T FORGET!

Always record the date, topic, and page number in your Home Learning Book!

Y7 ART – CITYSCAPE

A **Cityscape** in Art can be a type of **landscape** which can include buildings and streets often found in **'urban'** towns and cities. Cityscape Art can take the form of drawings, paintings and photographs



Step by step guide of drawing a street scene using one point perspective

Order of drawing

- Horizon line
- 2. Vanishing point
- 3. Lines which meet the vanishing point
- Vertical lines
- Add details

Key words 1.Perspective a technique which attempts to create the illusion f depth and 3 dimensions in a drawing or painting. used to show where the land disappears in 2 Horizon line the distance 3 Vanishing point used when drawing in perspective to create a 3D effect 4 Background usually at the top and back of the painting or drawing and appears to be further away. 5 Foreground can be seen at the front or bottom of a landscape which appears to be closer. how you arrange and place the different parts 6 Composition

image

7 Realism

8 Guidelines

9 Narrative

of a piece of artwork

light pencil lines which sketch out the basic

Can be used in art to help describe



Hannah Sawtell – (born 1971) Nottingham based artist.

She creates cityscape illustrations have a **Pop Art** feel and depict everyday scenes from local areas in Nottingham.



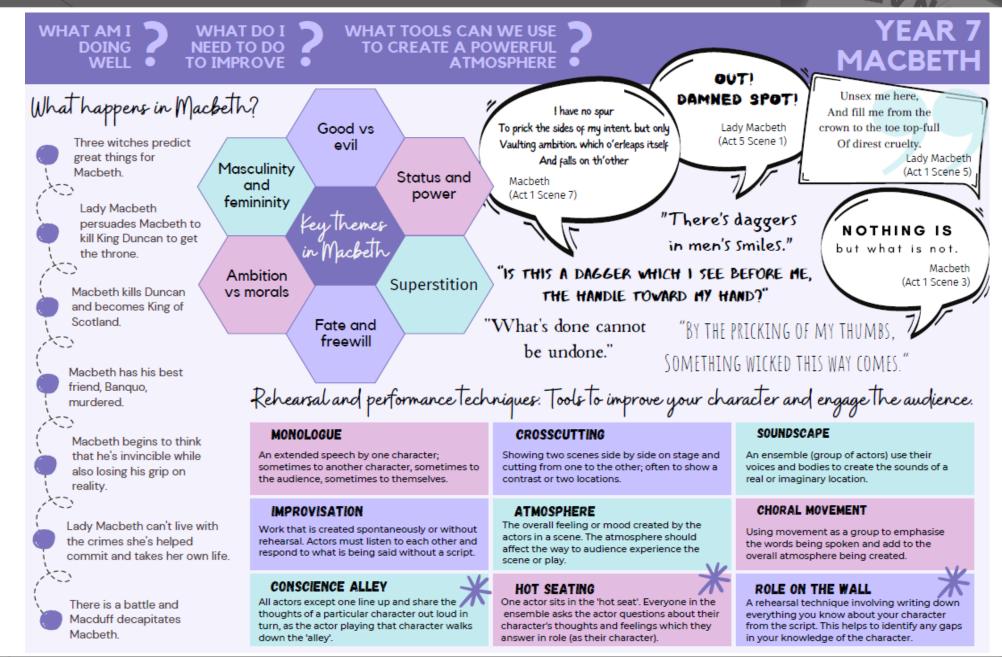


L.S. Lowry- (1887- 1976) born Salford, Manchester.

Lowry painted mostly industrial scenes of the North West of England. He developed a unique realist style and is most famous for his 'match stick' looking



Y7 DRAMA - MACBETH



Y7 DRAMA – PETER PAN

CHRIST THE KING - KNOWLEDGE ORGANISERS



occupation or status.

WHAT AM I DOING WELL

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WHAT DO I NEED TO DO TO IMPROVE

DEVISING TECHNIQUES: Different tools used to respond to a stimulus...

Narration

Adding a spoken commentary about the action on stage.

Slow motion Slowly exaggerating your actions to highlight a key moment.

Unison

Movement or speech performed at exactly the same time by more than one person.

Transition

A smooth, clean movement creating fluency from one scene to the next.

Mime

Acting in complete silence, using on physical skills.



DON'T FORGET TO SET TARGETS FOR EACH REHEARSAL PERIOD!

To devise means to create a performance from scratch. sometimes using a stimulus.

The atmosphere is the overall mood or feeling created for the audience.

Music can be added to build tension or create an atmosphere.

Tension is a growing sense of expectation which engages the audience.

The climax is the highest point of tension in the storyline.

THOUGHT-TRACKING-One actor shares their character's thoughts and feelings with the audience while the other actors hold a freezeframe

ROLE ON THE WALL-Writing down a thorough description of your character's outside appearance and inside thoughts and feelings.

YEAR 7 WHAT'S BEHIND THE DOOR?

VOCAL **KEYWORDS** PACE

The speed at which an actor delivers their lines.

PAUSE

Used to emphasise a moment between characters; silence can be used to create atmosphere.

PITCH

How low or high an actor's voice is when delivering their lines.

CLARITY

Delivering dialogue in a clear voice so the audience can hear

PROJECTION

Using your voice to speak loudly and clearly.

TONE

The emotion behind what your character says e.g. an angry tone, a surprised tone.

A STIMULUS IS A STARTING POINT FOR **IDEAS**

PHYSICAL **KEYWORDS BODY LANGUAGE**

Showing emotion through the way you sit, stand or position yourself.

GESTURES

Y7 DRAMA

Using your hands (or sometimes eyes and head) to communicate with other characters and the audience

FACIAL EXPRESSION

Showing emotion through your face- eyes, mouth, eyebrows.

INTERACTION

How characters react to each other to convey their relationship.

SPACE

The way actors move around the stage space to show their relationship with other characters.

LEVELS

Used to show the 'power difference between characters.

A BRAINSTORM IS A SHARING OF INITIAL **IDEAS WITH YOUR** GROUP

WHAT TOOLS DO I

AUDIENCE

HAVE TO ENGAGE THE

Y7 ENGLISH - Shakespeare

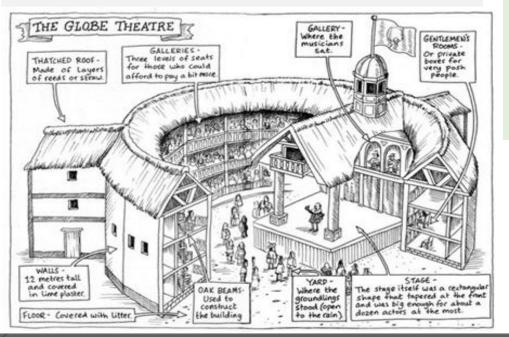
Theatre in the Elizabethan/Jacobean period

At the beginning of the 16th century many plays were based upon religious themes. These were called 'morality plays' and showed good and bad conduct. Others, called 'miracle plays' showed scenes from the Bible.

The main exception to this were the plays put on by wandering groups of actors, known as 'strolling players'. The plays put on by these groups were often far from religious and the authorities tried to ban them.

The themes of plays changed during Elizabeth's reign and English playwrights began to write comedies and tragedies. By the end of her reign playwrights such as Marlowe, Johnson and Shakespeare were writing the plays for which they are now famous.

As the watching of plays became more popular, theatres were built instead of using the courtyards of inns. The popularity of stage plays led to the building of the Rose, Swan and Globe Theatres in London between 1587 and 1598.



The main features and popularity of the Elizabethan/Jacobean theatre

- The theatre was open and plays had to be performed in daylight.
- A flag would be flown from the top of the theatre to show a play was going to be performed.
- People sat around the stage in galleries.
- The cheapest place was in front of the stage where ordinary people stood. They were known as 'groundlings'.
- There was very little scenery a character would tell the audience where the scene was set.
- Women's parts were played by boys.
- Long speeches gave actors a chance to change their clothes.
- There was generally plenty of violence in the plays Tudor audiences loved it.
- Many enjoyed going to the theatre as it provided good entertainment, an escape from their everyday lives and the chance to socialise and catch up on the latest news.
- Many nobles attended the theatre and the showing of a new play became a social event.
- Puritans disapproved of the non-religious nature of the plays which could lead to bad habits and behaviour. They believed it kept people from going to church.
- The authorities were unhappy because they believed it encouraged people to miss work and be idle, they also felt that theatres were ideal places for thieves and vagabonds to operate and where plague and other infectious diseases could spread.



Year 7 English Shakespeare's Context (in preparation for the study of A Midsummer Night's Dream)

Y7 ENGLISH – A Midsummer Night's Dream

The historical context of 1590's England.		Vocabulary	Acts		Shakespeare's BIG IDEAS
English country fairy lore: people believed fairies & mischievous spirits existed (especially the lower classes). They often appeared in stories and were well-known figures in English folklore. English traditions: on Midsummer eve, English men & women would tell supernatural stories round bonfires in the	1. 2. 3. 4. 5.	rank according to status or power. Patriarchal (gdj): ruled by men. Submissive (gdj): obedient (following orders). Elopement (n): run away secretly.	Act One: Theseus (Duke of Athens) prepares to marry Hippolyta (Queen of the Amazons). He is approached by Egeus who complains his daughter refuses to marry the suitor of his choice, Demetrius and that he should be allowed to assert the law of Athens: to kill Hermia for her disobedience or send her to live in a nunnery. Theseus tells Hermia she should obey her father, but she refuses, secretly plotting to run away with her love Lysander. She confides in Helena who is in love with Demetrius therefore tells him so that they can pursue the lovers together. Meanwhile, a group of actors discuss a play they will perform at the royal wedding.	*	Desire Shakespeare uses the play to show different types of love. The play pokes fun at young love and the all- consuming power of desire. There is a knowing policing of desire in Egeus stepping in between Lysander and Hermia. There is a hint that there is something shameful in not desiring the 'correct' type or person. There is a sense that desire is not something you can control.
woods. The 'rite of May' involved youths singing & dancing in the woods. Women and Family: Men ruled the society, they controlled the women in their lives and oversaw every decision. Women could not marry without their father's consent.	7.	absorbed Malicious (adj): intending to do harm. Ephemeral (adj): lasting for a very short time. Victim (n): a person who is tricked or duped.	Act Two Oberon and Titania (King & Queen of the fairies argue over a changling boy. Oberon plans to get revenge by asking his servant Puck to pour love potion on Titania's eyelids so that she will fall in love with the first thing she sees on opening her eyes. Oberon observes Demetrius dismissing Helena and tells Puck to give him a dose of the potion too. Puck pours the love potion onto Lysander's eyes by mistake who wakes and sees Helena, falling in love with her and following her through the woods. Hermia wakes to find Lysander is gone.	• (یا	Dreams Within the play dreams are a device to allow the impossible to happen. The play seems to be suggesting that dreams and imagination are as useful as reason and can sometimes help to guide people. By setting the play at night we see the "real" characters, not who they pretend to be during the day.
Elizabeth I: reigned England. Several female characters seem to represent her: Hippolyta's military prowess; Titania and her patronage of dancing, music and the arts. However, there was a growing resentment towards Elizabeth I	11. 12.	concept of being two things. Consent (n): to give permission. Prose (n): normal speech. Verse (n): language that rhymes.	Act Three The actors rehearse and Puck turns Bottom's face into the head of a donkey. The other actors run away but Titania wakes and falls in love with Bottom. Oberon is confused when he sees Helena and Lysander. Realising Puck's mistake, he pours love potion onto Demetrius' eyes who wakes and sees Helena so that now both men are in love with Helena. Helena believes the men are mocking her. Lysander and Demetrius challenge each other to a dual. Puck places an antidote on Lysander's eyes as he sleeps.		Power The play examines the struggle for power particularly between genders. Theseus controls Hippolyta, Oberon controls Titania and Egeus controls Hermia. It also exams the power of love as well as the supernatural powers of the fairies.
in the 1590's, the fact that many of the women in this play have their power taken away from them could reflect this. William Shakespeare: Poet, playwright and actor. He was	_	Blank verse (n): language that does not rhyme but does follow iambic pentameter. Dialogue (n): words spoken by a	Act Four Oberon orders Puck to remove Titania's love spell and return Bottom's head to normal. Theseus and Egeus find the lovers in the wood and Demetrius declares that he now loves Helena. Theseus suggests that the two pairs of lovers get married on the same day that he marries Hippolyta. Bottom re-joins his fellow actors.	(2)	Performance Shakespeare uses the play to mock serious tragedies. He also shows how theatre and performance can be an escape from reality.
born in Stratford Upon Avon, England but lived most of his life in London. Shakespeare wrote 154 sonnets and around 40 plays.	15.	character. 15. lambic pentamer: a specific pattern or rhythm consisting of 10 syllables.	<u>Act Five</u> The play is performed to the audience's amusement and the fairies bless the marriages.		Class In both the fairy world and the human world there is a clear social hierarchy – royalty, nobles, commoners. The lower-class characters in the play are used as comic relief.

Y7 GEOGRAPHY – Settlement and Urbanisation

Poorly paid jobs with no benefits and no tax is paid to the government from these jobs

Traffic congestion and pollutants from factories in the air create smog and unsafe air

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30. Geog	raphy Topic 4: Settler	lienca		lion	6a. Challenge areas	es in HIC urbar	n	6b. are	Opportunities as	in HIC urban			8. LIC/NEE Urban Land-Use Mode
1. Settlement an	d Urbanisation key words		factors in choosing ent location		Traffic conge	stion			nsport links				Central Business District (CBD
Settlement	Where people live	Flat land	1		Derelict build	lings		Edu		inities			Industry along transport route
Site	The place the settlement is located	Raw ma	terials		Lack of green	1 space		Ent	ertainment and	leisure		\bigcap	
Situation	Where the settlement is in relation	Water s	upply		Crime			Ret	ail				Shanty towns
Situation	to other settlements and	Defenda	able site		Changing sho	opping habits		Clo	se-knit commur	nities		\sim	Basic housing
	surrounding features	Fertile s	oil									\frown	High cost housing
Settlement hierarchy	Order of settlements in a region or country by population OR services	Shelter											
Land-use	The function of the land – what it is	Transpo	ort links										V
	used for.		4. Settlement				7. Urba	n Tran	sport Systems		8. LIC/NEE Urban La	nd-Use Model	
Terraced Housing	Row of similar houses joined together by their side walls		Hierarchy	orimate city or capital			Integrat	to d	Combining mo	adas of	Shanty towns	Self-built hou	sing on the edge of cities
Traffic congestion	Slow speeds, longer travel times and queues when traveling in a vehicle.		cor	ge cities or nurbations			Public Transpo		transport for efficiency of u	ease and	Basic housing	Formally cons electricity	tructed housing with services such as water and
Derelict building	Empty building which is no longer used and in a poor state of repair.	size o	ase in the f settlement, lation and	cities	num	reasing nber of ements	Congest Charge		Charging pollu entering an u	- 1	High-cost housing	Similar in stru	cture and style to those found in HICs
Retail	The selling of goods	Jervie	lar	ge towns			Park and		Cars are parke		9. Causes of urbanis	ation in LIC/NEE	Cities
Regeneration	Improving the buildings and		sm	all towns			Ride	a	outskirts of ar	n urban area	Natural Increase	Birth	rate is higher than death rate
negeneration	landscape to provide benefits for an area			villages					and drivers ta transport from	· ·	Rural-urban migratic		novement of people from the countryside to cities
Urbanisation	The increasing percentage of a		,	namlets					CBD		Push factor	A reas	son a person has for leaving a place
	population living in urban areas										Pull factor	A reas	son a person has for moving to a place
Megacity	A city with a population of over 10 million people		solated	house or farms									
	million people				. HIC Urban Land-I	Use Medel				10. Challenges	in LIC/NEE Urban Area		
2. Population ke	ey words						D1			Healthcare	Lack of access to	ealthcare facilit	ies and trained doctors, nurses and midwives
Develotion	Channel a the number of the state				BD	Central Busi centre of an			commercial	Education	Not enough schoo	ls and a shortag	e of teachers. Wages are low for teachers.
Population change	Change in the number of people in a specified area over time				ner City	Mainly terra	cod kousta	na in c	rid patterns	Water supply	Not all the popula	tion have access	s to running water in an urban area
Birth Rate	Number of babies born per 1,000 of				mer city	originally bu				Energy supply	Shortages of supp	ly because hom	es are not properly connected to the energy grid.
	population					workers.				Crime	Lack of education	and jobs mean :	some turn to crime for income.

Residential area mainly made up of

The edge of a city where it meets the

private, semi-detached housing.

countryside

Informal

economy

Air pollution

Suburbs

Rural-Urban

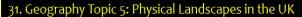
Fringe

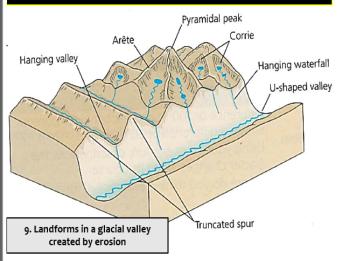
Death Rate

Number of deaths per 1,000 of

population

Y7 GEOGRAPHY – PHYSICAL LANSCAPES





1. Physical Landscapes key w	ords
Landscape	The visible features of an area of land
Geology	The study of rock types
Landform	Feature created by landscape processes
Coast	The land along the sea
Sediment	Small pieces of material (such as rock) moved by air and water
Glacier	Slow moving mass of ice or compressed snow
Bedrock	Hard, solid rock beneath the top layer of the ground

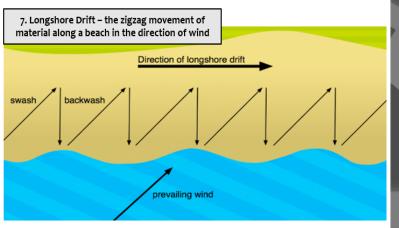
2. Layers of	the landscapes	3. The Rock Cyc	e		
Physical (base)	The physical landscape sculpted by physical	Rock Cycle	One type of rock changes into another type of rock		
layer	processes and geology	Igneous	Rock formed on the surface (during eruptions) or deep underground by the cooling of		
Biological layer	Soil, plants and trees				
Human	Settlements,		molten rock		
layer	communications and	Sedimentary	Formed by deposition		
	farming	Metamorphic	Undergone change due to intense heat and/or pressure		

4. Landscape processes	
Weathering	Breakdown of rocks in situ
Erosion	Wearing away and removal of pieces of rock
Transportation	Movement of rocks from an area of erosion to an area of deposition
Deposition	Dropping of rock particles

5. Features of a river valley

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V-shaped river valley	Deep river valley shaped like a V
River Channel	The groove in the land through which water travels
Source	Start of a river
Mouth	End of a river
Drainage Basin	Area of land drained by a river and its tributaries
Tributary	Small river which joins a larger river
Confluence	The point where two rivers meet
Waterfall	A 'step' in the river over which water plunges
Meander	A bend in a river
Floodplain	The flat land either side of the channel which floods when the river bursts its banks

6. Coastal landforms							
Beach	Sediment deposited by the sea						
Cliff	Steep, often vertical rock face						
Bay	Land curves in away from the sea and is surrounded by land on three sides						
Headland	A tall, narrow piece of land projecting into the sea						
Cave	A natural hollow in a cliff						
Arch	An opening in the cliff from where a cave has collapsed						
Stack	Steep, often vertical column in the sea						
Spit	A narrow, jutting finger of sand projecting into the sea						
Tombolo	A beach which joins an island to the mainland						



8. Glacial processes key terms	
Plucking	The movement of glaciers pulls rock from the bedrock
Abrasion	Scraping of a glacier over bedrock
Freeze-thaw weathering	Changing temperature of water causes rock to weaken and break
Moraine	Debris mixed with ice which is transported by glaciers

10. Glacial landforms	; key terms
Corrie	A sheltered, over-deepened hollow with a steep back wall and lip
Arete	Sharp mountain ridge between two corries
Pyramidal Peak	A sharply pointed peak caused by the formation of three or more corries
U-Shaped valley	Deep valley with straight sides and flat bottom – shaped like a U.
Misfit river	River that is too small for a valley
Truncated spurs	Steep cliffs along the sides of a U-shaped valley
Hanging Valley	Small valley hanging high above a U-shaped valley
Fjord	Flooded glacial valley
Ribbon lakes	Long, thin lake found in a U-shaped valley
Glacial till	Debris transported by a glacier where it then melts. This is a mixture of rocks and clay.
Erratic	Very large boulder
Drumlin	Smooth, egg-shaped hills.

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Y7 HISTORY – The Stuarts

1. James I	-	3. Charles I		6. Execution	of Charles	1	
James I	King of Scotland and	Absolute Monarch	A ruler who has supreme authority and power	Rump	The rem	naining MPs after the ones who supported Charles	
	England in 1603. Brought up as a Protestant	Henrietta- Maria	French Princess. Charles I wife. A Catholic	Parliament		anned from entering the House of Commons	
King James' Bib	version of the Bible for	Ship Money	A tax that Charles I expands to raise money	Show Trial		's trial was just for 'show'. The decision to execute d already been made	
	the next 250 years	Personal Rule	Charles ruled for 11 years without Parliament	Treason	Attacki	ing a state or the authority of a country	
Repressive laws Catholics hoped James would end these laws that were introduced during Elizabeth's reign.		Raising the standard	Charles summons an army to fight parliament. This is from Nottingham	Peter Bradshaw	trial. He	er who was appointed as the judge for Charles's e was so afraid of being assassinated, he wore a	
		Short Parliament	Parliament were not happy with Charles about	bullet		-proof hat	
		his actions over his personal rule, so he dissolved them after 3 weeks		7. William Ha	irvey		
2. The Gunpowder Plot		Long Parliament	Stayed in power for 20 years	Blood circulat	tion	The way the blood flows around the body	
The Gunpowder	A plot against James I and Parliament as a result of the					A medical doctor. Harvey was the physician for	
Plot	Plot repressive laws towards		4. The English Civil War			King James I and Charles I	
	Catholics	Triennial Act	Ensured Parliament met at least once every 3	Harvey's discovery of the heart		Harvey found out that the heart acted as a pump and pumped blood around the body	
Robert Catesby	Leader of the gunpowder plotters. A Catholic		weeks	Witch trials		Harvey was asked by Charles I to assess	
	gentleman	Roundheads	Parliaments' Army who had short hair cuts			whether 4 suspicious women were witches	
Guy Fawkes	Found with 36 Barrels of gunpowder placed directly	Cavaliers	The Royalists army, fighting for Charles I. They	8. Timeline of key dates			
	under the House of Lords		had long hair, contrasting with the Roundheads	1603		James I became king of England	
Lord	A member of the House of		A war between two sides in the same country. The English Civil War was between the				
Monteagle	Lords. Received a letter warning him of the plot		Roundheads and Cavaliers	5 th November 1605		The Gunpowder Plot	
Hung, drawn and	Hung by a rope, the abdomen was cut out, then pulled apart	Army	A professional national army and could be sent anywhere in the country. They were strictly	1625		Charles I becomes King	
quartered			disciplined		,	William Harvey sent to assess if 4 women were	
			5. Oliver Cromwell			witches	
	LE BESE	Oliver Cromwell			2- 3 rd	The English Civil War	
		Oliver crolliwell	Leader of the New Model Army. Ruled the country after Charles I	Sept 1651	649	The Execution of Charles I	
		The Lord Protector	Cromwell did not want to be called King, but this title gave him the powers of a king	1		The rule of Oliver Cromwell	
				9C01			

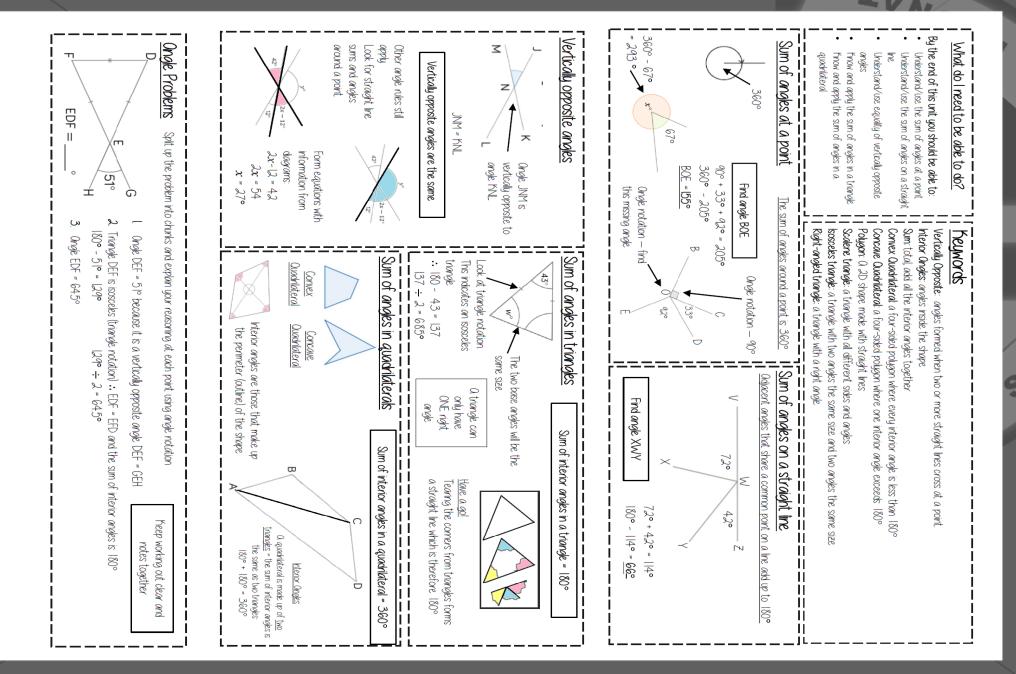
Y7 HISTORY – Native Americans

1. Key words		3. Social stru	ucture		6. Beliefs		
Native Americans/ Plains Indians	The term given to the native people who lived in America	Hunter/ gath	nerers	They hunted for food and used the environment to live off. Men and boys would hunt	The Great Spirit	everyth	led Wakan Tanka. He created the world and ing that lived in it. The Indian's worshipped The
The Great Plains	The land which stretches down the centre of America, where the Plains Indians lived in their tribes	Tribes		Lived in tribes. Each tribe was made up of bands which could be hundreds of people or just 20 or 30. Bands in each tribe would work together Some tribes disliked each other.	Land and nature		orrit nat everything in nature had a spirit. Land ed to The Great Spirit, not to people
Sioux	A large tribe of Indians. It was so big it was called a Nation. The Sioux Nation.	Women		Women would have a traditional role of looking after the children, cooking, Putting up and taking down the tipi.	Sun Dance	spirit w	us ceremony to get help or guidance from the orld. A Sun Dance could last for days. It involved ing hung up by their breast until they got a vision
Nomads	People who moved around the land and don't	4. Tipis	•		The Medicine Man	He used	d he could cure sickness, drive out evil spirits. I ointments and potions to treat sickness. ed before buffalo hunts for advice on war
Visions	stay in one place A thought/ sight which the	Tipis		me of the Plains Indian's homes. They were a I shape and built to adapt to the environment.	Disease	and sm	who came across brought diseases like cholera allpox. Dangerous for the Indians as they had no
	Indians experienced. It guided them through life and helped them get their	Adapting to the Plains	them o	des of the tipi could be rolled up in summer to cool down. They could be padded around in winter to leat from the fire in.	7. Hunting ar		ce to them
Warfare	special Indian name Wars between Indian tribes and later between	Decoratio ns	Patteri	ns/ images which told the story of the Indians' y during a hunt	Horses		Vital for the survival of the Indians- Went to war on them, used to hunt the buffalo, a status symbol as men measured their wealth in horses.
	Indians and white settlers	Features		laps/ wooden poles/ doorway/ made from buffalo	Counting Cou	р	When at war, Indian's were touched with a stick to show bravery.
2. The Plains Envi Prairie Grass	Long and short grass on the		easily	calps hanging as trophies/ put up and taken down	Disguise		A method of hunting where the Indians dress up as wolves to get close to the buffalo
	Plains	5. The buffa	llo		Buffalo Dance	2	A dance to call the buffalo which could last for many days
Animals on the Plains	Antelope, buffalo, deer, rabbits, gophers	Buffalo		Lived in herds on the Plains. The Indians only killed what they needed. They did not hunt for fun.	Scalping		Cutting off a scalp of a victim in war, as a trophy
Climate	Hot and dry in the summer, causing rivers to dry up.	Uses of the Buffalo		Every part of the buffalo used. Each part of the buffalo helped the Indians survive on the Plains			
	Freezing cold in the winter. Strong winds all year round.	After the hu		The women would prepare the buffalo for what they needed.		instrum,	A A A
Rocky and Appalachian Mountains	Mountain ranges which the Great Plains were between.	Demise of th buffalo		The buffalo became hunted by white settlers who wanted to kill off the Plains Indians and change their way of life.			

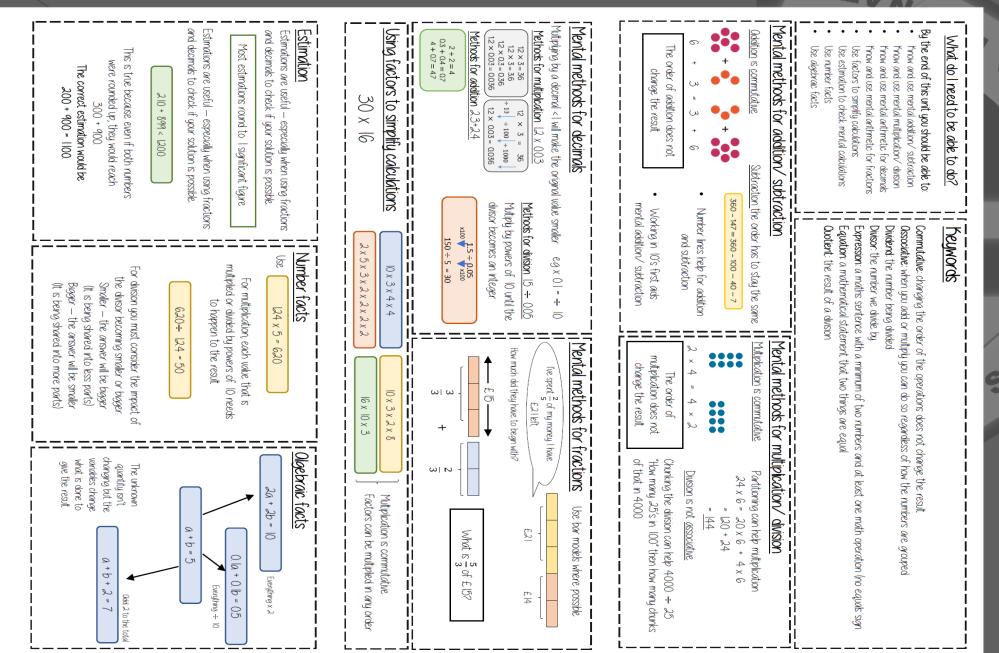
Y7 HISTORY – French Revolution

1. Key words		3. The end of Louis		5. Timeline	
Louis XVI	King of France 1754-1793	Varennes	The place where Louis tried to escape to	1774	Louis became King of France
Marie Antoinette Ancien Regime	Wife of Louis XVI The old form of government	Republic	People are chosen to rule the country through	1787	Louis tried to make nobles pay taxes for the first time
Ancien Regime	in France under Louis XVI	Committee of	elections. No monarchy	June 1789	National Assembly formed
First Estate	Church people – Priests, monks and nuns	Committee of Public Safety	It formed the government during the Terror		
Second Estate	Nobles	Place de la Revolution	The place where Louis was executed. A square where	August 178	Declaration of the Rights of Man
Third Estate	The Bourgois, Sans Culottes, Peasants	Guillotine	many executions took place A tall frame with a weighted	January 1793	Louis executed
2. The start of the l	Revolution and the Revolution	Guillotine	and angled blade at the top, which is released to decapitate the individual	1792-94	The Terror
The Enlightenment	An age of new ideas about the world				
Bourgeois	Middle classes- merchants,	4. The Terror			
Dourgeois	lawyers, bankers	The Terror	A period during the French Revolution when many peop	ole	The second second
Sans Culottes	Unskilled workers. Wore trousers to the knee		were massacred or executed	the second se	
Revolution	A change in political power	Robespierre	Became the leader of the French Republic after Louis v	was	
The National	Consisted of the Third		executed		
Assembly Declaration of the	Estate. A form of government of France The Principles laid out for a	Vendee	A region in Western France. was a largely rural area when	re a 🛛 🎆	AL AND
Rights of Man	new, democratic France		lot of rebellion happened at this time	anna anna	

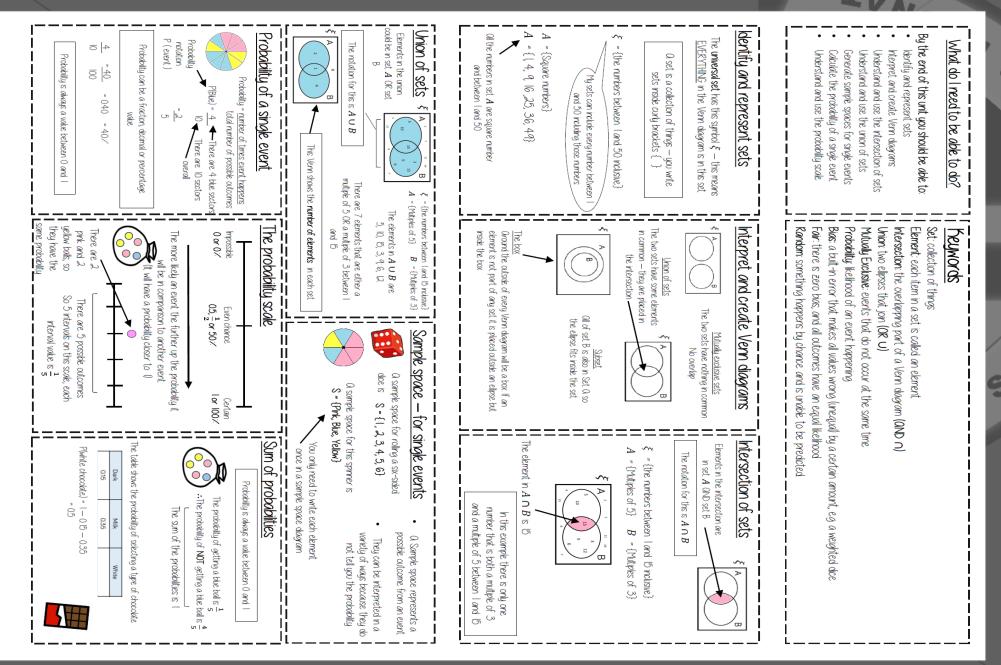
Y7 MATHS – GEOMETRIC REASONING



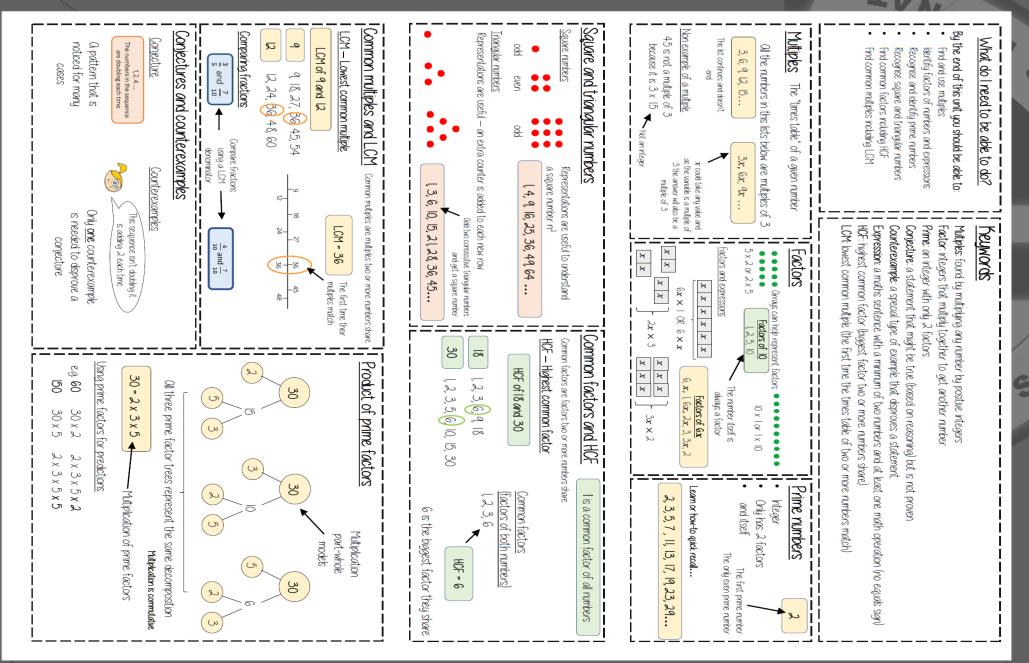
Y7 MATHS – NUMBER SENSE



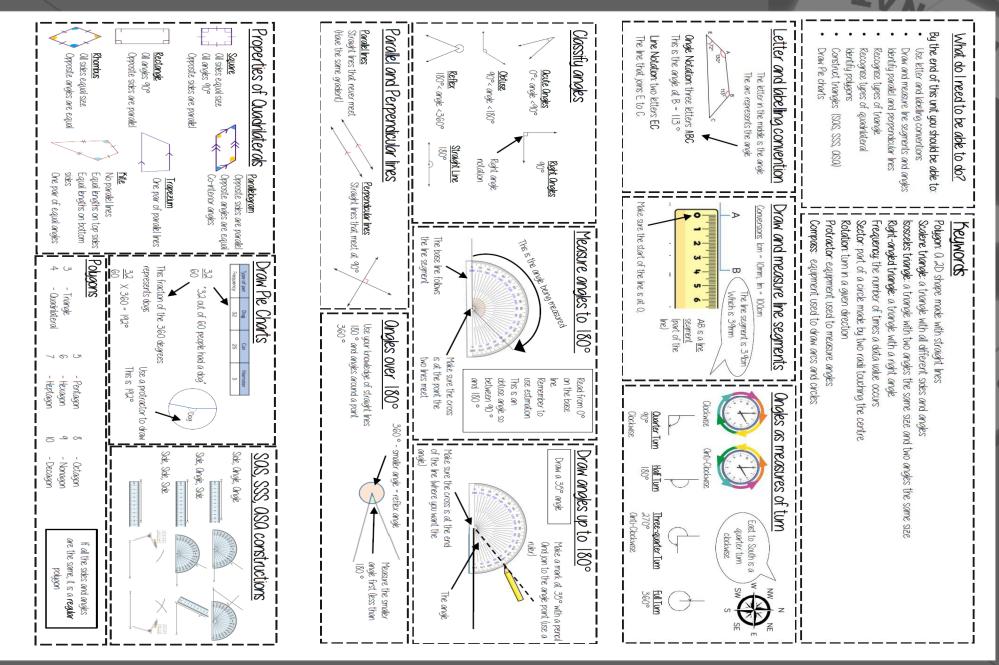
Y7 MATHS – SETS AND PROBABILITY



Y7 MATHS – PRIME NUMBERS AND PROOF



Y7 MATHS – GEOMETRIC NOTATIONS



Y7 MFL – FOOD AND DRINK

Good bye, have a good day.	22	Au revoir, bonne journée
Here you go, thank you, good-bye	21	Voilà, merci, au revoir 🔊 🕺
That is 17 euros 80 please	(11) 8	Ça fa it dix-sept euros, quatre-vingts s'il vous 🍕
Excuse me sir, how much is it?	19	Pardon monsieur, c'est combien ?
Ξ		I
Here you go, thank you.	18	Voilà, merci
I would like a pancake with Nutella please.	17	Je voudrais une crêpe avec du nutella s'il vous plaît
And for you ?	16	Et pour vous ?
Stawberry please	15	Fraise s'il vous plaît
What flavour?	14	Quel parfum ?
I would like an ice-cream	13	Je voudrais une glace.
Do you want anything else?	12	Vous voulez autre chose ?
Ι		I
Ok	11	D'accord
And for me, a ham sandwich please	10	Et pour moi, un sandwich au jambon s'il vous plaît
I would like a toasted sandwich	9	Je voudrais un croquemonsieur
Would you want anything to eat	~	Vous voulez manger quelque chose ?
		:
Yes, ok, I'll be straight back	7	Oui, d'accord, j'arrive tout de suite
I want a hot chocolate please.	6	Je veux un chocolat chaud s'il vous plaît
I would like an orangina please	5	Je voudrais un Orangina sil vous plaît
Hello, for a drink, what would you like?	4	Bonjour, comme boisson vous désirez ?
At three thirty	ω	À trois heures trente.
Yes, i really want to thank you, what time?	2	Oui, je veux bien merci, à quelle heure ? 🌔 🗓
You want to go to the café this afternoon?	1	Tu veux aller au café cet après-midi?
9		

Y7 MFL – FOOD AND DRINK

Г	eg. J'ain	= less		1 / = more	plus	Je deteste	Je n'aime pas	Negative opinions	Je préfère	J'aime beaucoup	J'aime	Positive opinions	le riz rice	les pâtes pasta	les biscuits bisc	l'eau minerale water	le gâteau cake	le yaourt yog	la glace 📕 ice	la lait milk	les frites 🔥 🔥 chips	ies politiles de tette pou							la viande meat	le jambon ham	le fromage cheese	le pain bread	A. FOOD		
	ne le poulet p I like chicker	- than	que	_ than	que	L		la/	le/	+		22		ta	biscuits	ĕŗ	n	yoghurt	ice cream			poratoes	į		ſ		1				ese	đ			
	e.g. J'aime le poulet plus que le boeuf. I like chicken more than beef.		propre	salé	sucré	sale	impoli	de mauvaise	peu varié(e)	cher(e)	fort(e)	épicé(e)	délicieux/	dégoutant(e)	barbant(e)	parfait(e)	frais/fraîche	D. AL		le pain grillé	les céréales	le vin blanc/rouge	le jus d'orange	le sucre	le thé	le café	le dîner	le déjeuner	le petit déjeuner	les repas	B. LES			8 Qooj	
			clean	salty	sweet	dirty	impolite	poor quality	not much choice	expensive	strong	spicy	delicious	disgusting	boring	perfect	fresh	D. ADJECTIES		toast	_	white/red wine	orange juice	allar	tea	coffee	dinner	lunch	breakfast	meals	LES REPAS			FOOD & DRINK	
		<u></u>			_	1	C	ų.								<u>.</u>	ā	ā	ā	ā	ā	<u></u>	ā	 		<u>a</u>	<u></u>		5 1	. 7		T		5	
	Assez = quite Trop = too	Un peu = a little	lies – very Beaucoup = a lot	Intensitiers	-	confiture	pain avec de la	Je mange du		de + les	ue + Ia	<u>}</u>	de + le	SOME		la laitue	le concombre	les carottes	les haricots verts	les oignons	les legumes	le citron	les oranges	les poires	la pêche	la pomme	le melon	rananas			les fraises		C. FRUIT & VEG	\$	
	æ	ittle	a lot			ture.	ec de la	ıge du		des	ue la		đ			lettuce	cucumber	carrots	green beans	onions	vegetables	lemon	oranges	pears	peach	apple	melon	pineappie		hananac	strawberries	fruit	& VEG		

FooD & DRII

Qu'est-ce que vous prenez? What are you having?

G. LA SANTÉ

I'm having.... Je prends...

Т AU RESTAURANT/MARCHÉ

J'ai besoin de	J'ai soif	J'ai faim	Je voudrais	llya	C'est	Je préfère	J'adore	J'aime	Je mange	Je bois	I. KEY VERBS
l need	I'm thirsty	I'm hungry	l would like	There is/are	lt is	l prefer	l love	l like	l eat	l drink	(PRESENT)

F. LES QUANTITÉS	NTITÉS
un kilo de	a kilo of
cinq cent	500g of
grammes de	
une tasse de	a cup of

2	e bouteille de	i litre de	carton de	ie boîte de	ie tasse de	ammes de	1q cent
	a bottle of	a litre of	a box of	a tin of	a cup of		500g of

5 5

5

5

day Tous les jours = every En général = in general Normalement = normally Frequency Phrases

santé	bon pour la	Ce n'est pas It's bad for	équilibré	un regime	mon poids	surveiller	bonne santé health	être en	sainement	manger
	your health	It's bad for		a balanced diet	weight	to watch my	health	to be in good		to eat healthily

Aussi = also Et = and Connectives

De plus = Moreover Néanmoins = nevertheless Cependant = however

ESSENTIAL VERBS

ETRE

TO BE

lam

You are (s)

AVOIR-	AVOIR-TO HAVE	 ,
J'ai	I have	Je suis
Tu as	You have (s)	Tues
II/elle a	He/she has	II/elle est
Nous avons We have	We have	Nous som
Vous avez	You have	Vous êtes
	(pl)	Ils/elles so
Ils/elles ont They have	They have	

Nous sommes

We are

He/she is

Ils/elles sont

They are

You are (pl)

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<i>ω</i>

Ce que j'aime le plus What I like the	What I like the
c'est	most is
Ce que j'aime le	What I like the
noins c'est	least is
Ce que je préfère	What I prefer
c'est	is

0

0

0 3

C'était	J'ai choisi	J'ai préféré	J'ai aimé	J'ai pris	J'ai bu	J'ai mange	J. KEY VER
lt was	l chose	l preferred	l liked	I had (- 🗸	I drank	l ate	J. KEY VERBS (PAST)
			Ĺ	\mathbf{h}	J		

CHRIST THE KING - KNOWLEDGE ORGANISERS

Y7 MFL – FOOD AND DRINK

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Year 7 -	HT6 – J'habite	
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** •	J'habite dans un petit appartement au centre- ville de Paris.	1	I live in a small flat in the centre of Paris
	Dans mon appartement il y a deux chambres, une cuisine, un salon et une petite salle de bains.	2	In my flat there are two bedrooms, a kitchen, a living-room and a small bathroom
-	C'est confortable et assez moderne	3	It is comfortable and quite modern
-	Paris est la capitale de la France et c'est situé dans le nord du pays.	4	Paris is the capital of France and it is situated in the north of the country.
	Ici, on peut visiter la Louvre, le tour Eiffel et l'arc de triomphe.	5	Here, you can visit the Louvre, Eiffel tower and the arc de triomphe.
	J'adore ma ville car c'est très animé cependant	6	I love my town because it is very lively however
	c'est aussi assez sale.	7	It is also quite dirty.
	Ici le 14 juillet on fête le jour national, il y a	8	Here, on the 14th July we celebrate 'national day' there is
-	un grand défilé et des feux d'artifices, c'est vraiment chouette	9	A big parade and fireworks, it is really great.

HOME & ENVIRONMENT

Where do you live? Où habites-tu?

		9f	γe	-			n i					
									1			
affreux	beau	joli	vieux	ancien	moderne	bruyant	mauvais	calme	rurale	ennuyeux	nul	B. LES A
terrible	beautiful	pretty	old	old	modern	noisy	bad	calm	rural	boring	rubbish	DIECTIES

aussi-also mais-but et—and

à la campagne à la montagne

une grande ville

acity

1

une ville J'habite à

a town

A. WHERE I LIVE

l live in

au bord de la mer

près de la plage

	moins	= more_	plus	
+	que	than	que	

a a

m

= less

m <u>a</u> un appartement une petite maison une grande maison

une ferme

a farm a flat

e.g. Bristol est plus bruyant que Malmesbury. Bristol is noisier than Malmesbury.

To make a verb NEGATIVE, you make a

negative sandwich:

ne + verb + pas = not/don't

ne + verb + jamais = never

Me VERB 27

m

m m a

3 m

Je ne joue jamais au foot = I never play football Je ne joue pas au foot = I don't play football

> 3 a

m

Sed

What is your town like? Comment est ta ville?

C'est.. It is...

UPGRADE YOUR DESCRIPTIONS

très—very almost always presque touttout—completely

trop-too

vraiment—really assez—quite

SNPC <

normally normalement: sometimes quelquefoissouvent-often toujours—always

la ville

town

dans la banlieue de près de l'autoroute

on the outskirts o

near the motorw

near to the beac at the seaside in the mountains in the countrysid

jumelle

house

a big house

a small house

une maison

a semi-detached

C. DANS	
a patinoire	the ice rink
a piscine	the swimming pool
e stade	the stadium
a discothèque	the disco 🛕
e port	the port
ebateau	the boat
a fôret	the forest
amairie	the town hall
a galerie d'art	the art gallery
a gare routière	the bus station
a bibliothèque	the library
e centre commercial	the shopping centre
e centre de loisirs	the leisure centre
e collège	the school
e commissariat	the police station
église (f)	the church
a gare (SNCF)	the station
hôpital	the hospital
es magasins	the shops

a

<u>...</u>

a m

<u>a</u>

THE KING - KNOWLEDGE ORGANISERS CHRIST

Y7 MFL – J'HABITE

Y7 MFL – J'HABITE

CHRIST THE KING - KNOWLEDGE ORGANISERS

					I nere was	II Y avait
	ovder	Vous allez necycler	You live (pl)	Vous habitez		,
	nanger	Nous allons manger	AND THE	Ľ	There is/are	llγa
	Ser	II/elle va utiliser	We live	Nous habitons	You can	On peut
	-	Tu vas visiter	He/she lives	II/elle habite	JENCY VERBS	G. HIGH FREQUENCY VERBS
	ų	Je vais habiter	You live (s)	Tu habites		
	+ infinitive verb	+ infini	IIVE			
	Present tense aller	Present		l'hahito		environment?
	Near Future Tense	Near Fu	FO LIVE	HABITER-TO LIVE	do for the	What do you do for the
	Ę	. VERBS	ESSENTIAL VERBS		ement?	Pour l'environnement?
	You must	γ	petrol	l'essence		
	ll faut	20	electricity	l'électricité	ne tu fais	Our/est-ce mue tu fais
)	3)	water o	l'eau		
	by bike	à velo	batteries	les piles	lt's hot	ll fait chaud
	on foot	à pied	newspapers	les journaux	lt's cold	ll fait froid
	by scooter	en scooter	bottles	les bouteilles	lt's windy	ll y a du vent
	by plane	en avion	rubbish	les déchets	lt's cloudy	ll y a des nuages
	by tram	en tramway	plastic bags	les sacs en plastique	lt's stormy	ll y a des orages
	by car	en voiture	ciotnes	les vetements	lt's snowing	ll neige
	by coach	en car	paper	le papier	lt's raining	ll pleut
	by bus	en bus	6 ap		lt's foggy	ll fait du brouillard
	l travel	Je voyage	alace		It's bad weather	ll fait mauvais
	transport	en commun	according.	la ranvrisea	lt's sunny	ll fait du soleil
	public	les transports	NEMENT	E. L'ENVIRONNEMENT	the weather	le temps
	F. LE TRANSPORT	F. LE TR			emps	D. LE TEMPS
	5			1		8
			CALAL LE	IC & CIANIP		
		<				

Je vais +	Je voudrais + infinitive	Ce serait	C'était	Ce sera	C'est	ll y aura	ll y avait	εvll	On peut	G. HIGH FREQ
I am going to	l would like to	It would be	lt was	lt will be	lt is	There will be	There was	There is/are	You can	FREQUENCY VERBS

	car—because	parce que—because	comment—how	qu'est-ce que—what	quel/quelle—which	où—where	ou—or	HIGH FREQUENCY WORDS	1	Ils/elles habitent They live	Vous habitez You live (pl)	
Vous avez recyclé	Nous avons mangé	II/elle a utilisé	Tu as visité	J'ai habité	= past tense	Avoir (pres) + past p	The perfect te	Le passé comp	<u>.</u> }	IIs/elles vont consen	Vous allez recycler	Nous allons manger

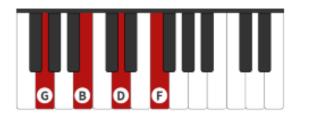
Vous allez recycler lls/elles vont conserver Le passé compose The perfect tense Avoir (pres) + past participle = past tense	Tu vas visiter II/elle va utiliser Nous allons manger	Present tense aller + infinitive verb Je vais habiter

elles ont conservé

Y7 MUSIC – THE BLUES

Defin	Definitions and theory									
I= Tonic	V= Dominant	: IV= Su	bdominant							
I.	I	I	I.							
IV	IV	Т	- L _							
V	IV	I	I							

- 1. 12 bar blues = music based around this chord progression
- 2. Tonic = chord I
- 3. Subdominant = chord IV
- 4. Dominant = chord V
- 5. Improvisation = making it up on the spot
- 6. Turnaround = where you substitute chord V in bar 12
- 7. Seventh chord = when an extra note is added to a chord, 7 notes above the root, i.e. G7:



Chords and Roman numerals

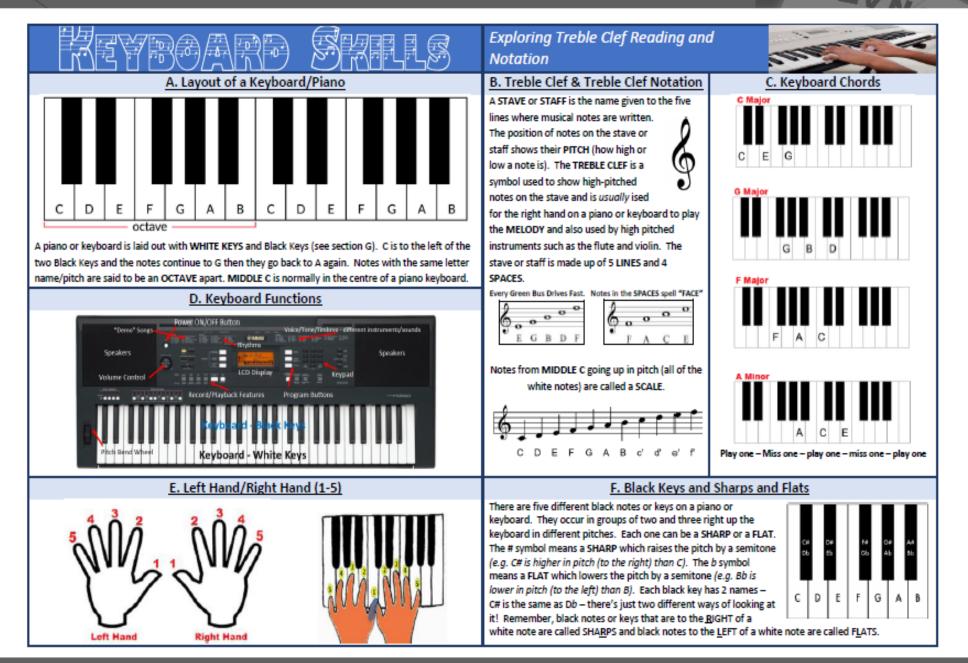
- Whatever key you are in, count that as '1' (i.e. in C major, 1 is C)
- 2. From there, count up to 4 and 5 to work out what chords are IV and V (in C, IV is F and V is G)

Instruments for blues

INSTRUMENTS

Strings: double bass or bass guitar often used to play the bass line. Guitar plays chords and melodies
Woodwind: saxophone sometimes used for melody
Brass: trumpet//trombone often used for melody
Percussion: drum kit
Voices: soprano/alto/tenor/bass – any kind of voice can sing blues
Keyboards: piano is often used to play chords, bass line and/or melody, but organ is sometimes used too

Y7 MUSIC – THE KEYBOARD



Y7 MUSIC – PERFORMING



Key Words

Articulation: how certain notes or passages are sung or played.

Fluency: performing music accurately, quickly and with expression.

Diction: how a singer vocalises and pronounces the words of a song.

Interpretation: how a performer will present the material and how emotions are communicated through the performance.

Music Performance

'To play a wrong note is insignificant; to play without passion is inexcusable.'

Ludwig Van Beethoven

Music Performance Tips

- V Your performance does not have to be perfect.
- Keep going.
- Practice makes perfect!
- Be confident and let loose.
- Be unique.

COLUMN TRANSPORT

How am I being assessed?

- Accuracy of performance.
- Communication and teamwork.
- Interpretation and fluency of music.
- Technical control of an instrument.

What does 'intonation' mean?

 Intonation is the pitch accuracy of the instrument.

What does 'timing' mean?

Timing is the ability to keep in time and accurately perform a rhythm.

Why is constructive criticism important?

- It helps you to improve.
- It helps you to identify was to improve.
- It is crucial to share opinions with others.
- Verbal feedback is essential to help support and develop as a musician.

X Factor Performance Task

- Decide whether you are going to perform as a group, or solo.
- Practise and rehearse at home, ready to give a good X Factor performance.
- Perform something that you are confident with.

What does 'timbre' mean?

 Timbre is the tonal quality and sound of an instrument.

Y7 PE - TRAMPOLINING

Key Words: Routine	Trampolining	Т	ypes of Guidand	e
Tuck	Competitive Rules			
Pike Straddle Execution Skills: Full Twist	 A routine must always start and finish on feet. Competitors must start their routine within 60 seconds of presenting to the judges. Competitors are allowed one "out" bounce (a straight jump to control their height) at the end of a routine, before sticking the landing. 	<u>Visual</u> <u>Guidance</u>	 Demonstrations Images Videos Observations 	Example— demonstration to perform a seat drop in trampolining.
Seat Drop Front Drop Back Drop Front Som- ersault	 The trampolinist must stop completely—this means the bed must stop moving—and they have to hold still for 3 seconds before moving. All moves must be performed in the 3 basic shapes; tuck, pike and straddle. 	<u>Verbal</u> <u>Guidance</u>	 Coaching points Feedback Peer Feedback Questioning 	Example— A coach telling a trampolinist how to correct their position in a skill.
Famous Trampolin- ists:	Top Tip! More marks for moves performed on the cross.	<u>Manual</u> <u>Guidance</u>	When a performer is physically guided or supported by the coach/teacher.	Example— A trampoline coach supporting a front somersault.
Bryony Page	Scoring 1. A final trampoline mark is based on a difficulty and execution score. 2. A difficulty score begins at 0.0 and goes up continuously with every difficult skill performed.	<u>Mechanical</u> <u>Guidance</u>	When a piece of equipment or an aid is used to help a per- former learn and practise a skill.	Example— Using a hardness when learning somer- saults in trampolin- ing.
Lu Chunlong	3. An execution score is different and begins at a score of 10.0 and is then deducted by judges for errors in performance.			

Y7 PE – TABLE TENNIS

Key Words:	Ta	able Tennis	Types of Feedback in	Sport			
Push Let	Rules:		There are two types of feedback				
Defensive Balance Movement	2. Alternate serves e you change to 1 serve	to 11 points and must be won by 2 points very 2 points, unless it gets to 10-10 where e each e can land anywhere on the table	This is the physical feel of the movement as it is performed It helps the performer to solve problems themselves It helps them to develop skills independently				
Skills: Serve Forehand	means you can take t 5. Volleys are not allo	-	 2. Extrinsic Feedback It can come from teachers, coaches or teachers, coaches, coaches,				
Backhand Topspin Backspin Famous	your point 7. If you touch the ta matically lose the po	ble with any part of your body you auto- int	Feedback can also be experienced at different times 3. Concurrent Feedback • This is experienced by the performer whilst completing the action • E.g. A gymnast will experience feelings of being in a balanced position whilst they successfully complete a handstand				
table tennis players:	Table tennis shot 1. Forehand and back- hand push	 Face the paddle slightly towards the ceiling. Strike the ball gently in order to ensure it stays on the table. 	It is often the case that concurrent feedback This is experienced by the performer once completed For example, a cricketer receives terminal their shot once the ball reaches the bound It is often the case that terminal feedback	the movement has been feedback about the quality of jary			
Fan Zhendong	2. Forehand and back- hand topspin	 This is a defensive shot. Face the paddle slightly towards the table and hit the ball at the peak of its bounce. Do this with speed to gain topspin. This is an attacking shot. 	Interpretation and Analysis of Feedback Data 1. Data can be gathered and shared before, during and after a performance. 2. Quantitative data— where you measure amounts. E.g. number of successful passes made in football 3. Qualitative data—how somebody feels about something. E.g. gathering opinions on their most recent performance				

Y7 PE – STRIKING AND FIELDING

Striking and Fielding

ev Words:

Technique Reactions Awareness Decision Fingersready Catching Throwing Overarm Bowling Batting Fielding Coordination



Two teams, both with 11 players, play an innings of batting and bowling.

When one team is batting they try and score as many runs as they can by hitting the ball around an oval field, within a set boundary.

The other team must get them out by bowling the ball overarm at the stumps, which are at either end of a 22 yard area called a wicket.

The bowling team can get the batsmen out by hitting the stumps or catching the ball. Once the batting team is all out, the teams swap over and they then become the bowling side.

Scoring:

Rules:

One run is scored each time the batsmen cross and reach the set of stumps at the other end of the pitch.

Four runs can be scored if the ball reaches the perimeter of the field

Skills

Catching (high)

2 Eyes on the ball 3 Tracking the ball knees slightly bent

1 Hands cupped

Catching (low)



3 Tracking the ball 4 Feet shoulders width apart knees slightly bent

Throwing (overarm)



4 Eye on the target 5 Shift weight

Positions in cricket:

Bowler: throws the ball using the overarm technique towards the stumps that a batsman is defending. The bowler aims to either take the wickets or to prevent run scoring opportunities.

Batter: aim is to save the wicket from being hit by the ball. The batter will aim to hit the ball far so that more runs can be scored.

Fielder: there are a number of fielders on a cricket team and all have different roles however the main aim is to stop the ball and field it back the wicket to prevent runs from happening.

Wicket keeper: is the player on the fielding side who stands behind the wicket being watchful of the batsman and ready to take a catch, to stump the batsman out and run out a batsman when occasions arises.

Phy	/sical,	Emotional	and	Social	Well	being

Physical health --- the body Emotional health - mind and feelings Social health --interacting with others

The Health Triangle

Well being — a combination of physical emotional and social health

2) Positive effects of training on:

Physical health

•

- Stronger bones (increased bone density)
- Lower cholesterol/ reduced obesity
 - Increase development of components of fitness
- Increased life expectancy

3) Emotional health

- To increase self esteem confidence-increased endorphins released
- Reduce risk of age related diseases- dementia
- Releases stress and tension
- Fun/ enjoyment/ reduced boredom

4) Social health

- To develop teamwork skills
- To meet new people/ friends
- To develop communication skills
- Develop leadership skills

5) Negative effects of training on:

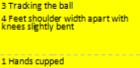
Physical health—overexertion leading to heart failure /over use injuries Emotional health- training complete injury and cause depression Social health-training long hours means less time spent with family

MENTAL AND EMOTIONAL Health - The combination of Physical, Mental/Emotional, and Social well-being 8. Physical health: is linked to fitness- being able to perform effectively the physical tasks involved in life Emotional health: or mental health is linked to personal wellbeing—feeling positive about yourself 10. Social health: also contributes to wellbeing-feeling

positive about interactions

with other people.

6) Positive effects of exercise:	7) Negative effects of exercise :
Helps you cope with the physical side of life	Put you ratrisk of a sport related injury
Even moderate exercise improves how long you will live	Time off to recover from injury can lead to psychological
Lowers psychological illness	problems
Lowers risk of eating problems	Competition pressure can lead to psychological problems
Gives you a lower resting heart rate and lower blood pressure	Stresses and needs of a particular sport can lead to long term health problems
Can help weight control	
Gives you stronger bones	



1 Hands cupped 2 Eyes on the ball



1 Stand side on 2 Point at the target 3 Flex the throwing arm



6 Extend your throwing arm to-wards the target

Y7 PE - RUGBY

Rugby

_				-				
			Basic Rules	Skills				
2 Each t side 3 Passes		Each te side Passes	alves consisting of 40 minutes cam has 15 players on each must be played with the ball ng backwards	1	Running with the ball	Carry the ball in two hands, ac- celerate into spaces, run direct and look to pick gaps in defen- sive lines. Draw players towards creating space for others to run into		
shouk 5 Attack the ba		should Attacki the bal	ng cannot be made above d height ting players must remain behind all whilst active or you run the i being called offside		Passing (Offloadin g)	Pass with accuracy over speed, good communication prevents mistakes. Always be prepared to receive a pass with your hands up ready. Throw a pass you'd like to receive.		
1	1 Try		Scoring awarded when a player plac-	3	Tackling	Low body position, shoulder drive below the hip, head safe side, lock arms to prevent leg		
			es the ball down in their opponent's dead ball area behind the goal. 5 points are awarded.			drive, try to land on the tackled player, release once player is fully grounded		
2	2 Conversion		a free kick that the team is awarded after a try to earn 2 bonus points. A successful kick needs to pass between the upper posts and top bar	4	Rucking	Low body position - hips above shoulders, stay on feet if you want to play the ball. Drive oppo- sition players off or create a solid base to play from		
3 Penalty Kick		lty	will gain a team 3 points and is awarded to a team when the opposing team causes an infringement.	Rugby Pitch 1, Goal line (try line) 2, Half way line 3, 22m, 10m and 5m line		e		
4 Drop Goal		Goal	can be kicked out of the hand as long as the ball bounces first and can eam a team 3 points					

Injuries in Sport

			Types of Injury		
	Injury		Description		
1	Sprain		Damage to a ligament that crosses a joint.		
2	Fractures		Broken bones caused by impact, twisting or repetitive stress on the bone.		
3	Dislocation	ı	Joint injuries that occur when the bones meeting at a joint are dislodged through impact, twisting or pre-existing weakness to that area		
4	Concussion	n	Caused by violent impacts to the head		
5	Abrasion		Damage to the skin caused by impacts and collisions		
6 Torn Cartilage		ge	Cartilage lines the end of bones and can be damaged through twisting actions		
7	Overuse inju	ries	Caused by repetitive actions or poor technique.		
		Н	ow to Treat an Injury (RICE method)		
R	Rest	Imm	nobilise the injured part		
Т	lce	Арр	ly an ice pack or other cold object to the affected area		
c Compression Ensure the ice pack or compress is firmly pressed against the affected area					
Е	Elevation	Rais	e the injured limb above the level of the heart		
			o reduce swelling and pain! Used most commonly for soft where swelling is likely to occur.		
			Prevention of Injury		

Follow rules and apply them fairly

1 2

Always use protective equipment. Ensure all protective equipment is in good condition

GA - Goal Attack

Imogen Allison

Y7 PE - NETBALL

_		
Key Words:	Netball	Factors of Participation
Contact Replaying	Rules:	AGE Ageing affects people in different ways.
Distance Free pass Penalty pass	A team consists of 7 players (GK,GD,WD,C,WA,GA,GS) You cannot move with the ball. You cannot snatch or hit the ball out of a player's hands. You cannot contact another player (pushing or barging).	Children need to develop gross motor skills from an early age to become confident mov- ers. Adolescents experience a growth spurt that changes their physical development. Older people may experience decrease in flexibility and strength and weight gain making participation in sport more difficult.
Skills: Passing Catching Footwork Attacking	You must stand 1 metre away from the person with the ball (known as 1m distance). You cannot hold the ball for more than 3 seconds. You cannot replay the ball (drop it and pick it up again). You must stay within your designated area of the court.	GENDER There is a big drop in girls' participation in sport each week from the age of 11. By age 14, boys are twice as active than girls. Research shows that common barriers to participation for girls or women are due to: They don't see the relevance of sport in their lives They dislike taking part with boys or men who play too aggressively They are more motivated by having fun, making friends, and keeping fit than excelling
Defending Shooting Famous Net- ball players:	Netball Court Positions FREE PENALTY OK OK OK PASS OK OK OK OK OK OK OK OK	Socio-economic status recognises that fact that income and wealth influence people's life experiences. For example, the more money you have, the more likely you are to par- ticipate in sport. This could be due to these following factors:
Helen Hougby	C WA GS GS Replay-	ETHNICITY Over half of people in black and minority ethnic (BME) communities do no sport or physical activity. One of the main reasons why BME communities have lower rates of participation is the lack of BME role model involved in leading and organising sport. For example, only 5% of coach- es are from BME communities and only 7% of sports professionals (other than performers) are from BME communities.
Abalah	GK - Goal Keeper ing the GD - Goal Defence ing the WD - Wing Defence ball. C- Centre WA - Wing Attack GS - Goal Shooter Offside.	DISABILITY The participation of disabled people in sport is much lower than that of non-disabled peo- ple, for all age groups. This is due to: Physical barriers – e.g. a lack of adapted equipment Ionicitical reasons – e.g. a lack of transport or inappropriate communication

Logistical reasons – e.g. a lack of transport or inappropriate communication Psychological reasons – e.g. lack of confidence and other people's attitudes

Y7 PE – HEALTH AND FITNESS

Health and Fitness

Key	w	or	ds	
	•••	~	-	•

Diet Carbohydrates Fats Protein Vitamins Minerals Water Fibre Heart Rate Stretching

2

3

4

There are lots of different types of training that can be undertaken. This includes: Circuit, Continuous, Cross Fartlek Weight

Dh	rom	100	THE.

Health	A state of complete mental, physical and social well- being; not merely the absence of illness or infirmity
Fitness	The ability to meet the demands of the environment
Perfor- mance	How well a task is completed
	Warm Up
	There are three elements to a warm up:
1	Pulse raising activity—e.g. a run
2	Stretching — the key muscles which are to be used in your session
3	Games related activity—this involves undertaking activities in the sport that you are about to partici- pate in
	Cool Down
	There are two elements to a cool down:
1	Pulse reducing activity—e.g. a slow jog reduced to a walk

Static stretching-stretching that is done stood still to reduce heart rate A cool down is undertaken to remove lactic acid from your working muscles.

The cool down also helps to reduce heart rate and bring your heart rate back down to pre exercise conditions.

		Diet
1	Diet	Diet is an essential part of providing our bodies with energy we need to main- tain a healthy lifestyle and optimise performance. It
2		is important that food and drink are consumed to enable to body to perform to its best.
3		The 7 factors of a balanced diet include carbohydrate, protein, fat, vitamins,
4	Key Elements	There are seven key elements of a balanced diet. These include: Carbohydrate, Proteins & Fats—Macro Nutrients Vitamins & Minerals—Micro Nutrients Water and Fibre
5	Macro Nu- trients	All of these provide energy for the body. Carbohydrates is the main energy source which can be fond in foods such as pasta.
6		Protein allow growth and repair of musde. It can be found in foods such as chicken, fish, egg and nuts.
7		Fat provides a slow release of energy and can be found in butter, eggs and other dairy products.
8	Micro Nu- trients	Vitamins are given different letters which affect different elements of the body. For example, Vitamin C is found in oranges and is good for vision and healthy skin.
9		Minerals, such as calcium, help to improve bone strength and improve teeth quality.
10	Other elements	Water is used to hydrate the body and can be found in fruits and vegetables.
11		Fibre is important as it helps to aid digestion and prevent constipation. This can be found in wholemeal foods such as wholemeal bread and cereals.
12	Calorie Counting	Calorie counting involves counting how many calories you consumer per day and it helps to ensure you do not add weight to your body.
13		Aathlete would then identify how many calories they used during a day. If the athlete consumes more calories than they burnt, they will add weight to their body. If the athlete eats less calories than they use, they will lose weight and fatigue.

Diat

Y7 PE - HANDBALL

	ŀ	landball	Γ	Lifestyle Choices				
Key Words:		Rules: A match consists of two periods of 30 minutes each.			Lifestyle choices - the cho your heal			≝ [🍒
3 seconds on the ball	Players are only allowed to have possession of the ball for 3 seconds.	A match consists of two periods of suminutes each. Each team consists of 7 players; a goalkeeper and 6 outfield players. Outfield players can touch the ball with any part of their		1) Eating a healthy diet:		2) Eati	ing an unhealthy diet:	
Contact	Contact is allowed in handball.	body that is above the knee. Once a player receives possession, they can pass, hold possession or shoot.			gy levels, so you are better body with the central nutri- a healthy immune system off illnesses	•	Leads to deficiencies in causes health condition and rickets as well as fa ness	
Goalkeep- er	Goalkeeper can leave the D but not in possession of the ball.	If a player holds possession they can have the ball for up to 3 seconds, after they can dribble or take three steps (without dribbling). Only the goalkeeper is allowed to come in contact with the floor of the goal area.		 helping you fight Reduces the risk of conditions such a tes high blood pro stroke 	off illnesses of developing serious health s heart disease type 2 diabe- essure high cholesterol or	•	Leads to an increase in which puts you at risk o conditions such as hear tes high blood pressure stroke	
Corners	Awarded if the ball comes off a defender and goes	Goalkeepers are allowed out of the goal area but must not retain possession if they are outside the goal area.		Communication s sleep patterns	tress levels and improve your	•	Can affect your conceny you feel lethargic makin find the energy to exer Can affect your quality	
	behind the goal.			overweight or ma	weight if you are currently intain a healthy weight	•	Can cause you to feelg especially if you overhe	
Penalty throw	Awarded if a defender steps into the D.	Positions in Handball:		3) Living an active life:		4) Liv	ving an inactive life:	
Skills:	Players can shoot from	Goalkeeper: a player who is positioned inside the goalkeeping area responsible for defending goals.			of disease of developing mental health as depression or dementia	:	Increases your risk of Increases your risk of and depression	disease ow self esteem anxiety
Shooting	outside of the D or by performing a jump shot	Left Wing: attacking player responsible for left hand side of the court.		 Please yourself e sleep and your e 	steem the quality of your nergy levels	·	Decreases your muscl and energy levels mak	e mass overall strength ing daily tasks such as
Dribbling	Players can move with the ball by bouncing but only for 3 seconds.	Left Back: stands to the left of centre back and		Reduces stress a	nd anxiety		carrying shopping bag	s more difficult
Passing	Passing is done with one	tries to prevent the opposition from shooting.		Improve your fit	ness levels			
	hand or two and can include a shoulder pass and bounce pass.	and provides both defending and attacking		5) A good work/rest/sle		···	ooor work/rest/sleep bal	
Famous Pla		Pivot player: an attacking player who travels		 Improve your phoent health 	ysical emotional and social	:	Increase your risk of de	pression
Danish player Mikkel Hansen Three time world player of the year.		along the opponents six metre line.		Makes you feel helping to reduce	more in control of your life te stress		Increase your risk of ill	ess and disease
Olympic, World and European champion.		Right Back: has some responsibilities as the left back down the opposite side.		You are better a	t making good decisions	:	Increase stress and an	·
		Right Wing: has the same responsibilities as the left wing but down the opposite side.		L		•	Results in poor quality	seep

Faathall

Y7 PE - FOOTBALL

Key	Words:
1	Shooting/ striking
2	Passing
3	Defending
4	Attacking
5	Tackling
6	Crossing
7	Chipping
8	Lobbing
9	Throwing
10	Heading
11	Dribbling
12	Control
	Scoring
	aim is to outscore

- The aim is to outscore
your opponent bet getting
the ball into the net

The whole ball must cross the goal line for it to constitute a goal

- You may score with any part of your body excluding your arms and hands

You can score from anywhere on the pitch

- Defending is as important as scoring. If you can't prevent opponents from scoring, you will struggle to win

	⊧s: ⊣			
L	A senior football match consists of two 45-minute halves and must have a 15-minute break in the middle			
2	A team can start with a maximum of 11 players, of which one is the designated goalkeeper			
	A team is able to make substitutions at any time of the match and are able to make a maximum of three changes			
ŀ	A referee may award a foul if they believe an unfair act is committed by a player. A foul contravenes the laws of the game and can be given for a range of offences (for exam- ple, kicking the player, pushing, handball etc).			
•	In cases of foul play, a referee can penalise players with either a yellow or red card. A yellow card gives a player a warning about their conduct and a red card requires them to leave the pitch. 2 yellow cards is a sending off			
;	A throw-in is awarded to a team if the opposition kicks the ball over the side-lines			
	A corner kick is awarded to a team if the opposition kicks the ball over the goal line and either side of the goal posts			
8	A player is deemed offside if they are in front of the last defender when a teammate passes the ball through to them			

spot

Touchline: 90-120 meters (100-131 yards)

Penalty box

Penalty arc

Goal box

Commercialisation in Sport

badly on the brand

Positive influences of media:

1. Raise awareness of sport Promote healthy active life-2. styles

The Media in Sport

- Positive role models 3.
- 4. Celebrate effort and success
- 5. Provide a sense of belonging
- 6 Generate revenue and attract investment

Negative influences:

- Intrude on performers' privaсу
- Showcase negative values and behaviour
- Undermine officials and their decisions
- Under-representing women's, black and minority ethnic and disability sport

The golden triangle



The golden triangle shows the relationship between sport, the media and sponsorship. It represents the commercial - money-making - nature of sport

Sponsorship in Sport				
Types of sponsorship				
1. Individuals	wear a brand, endorse products and pay for travel costs			
2. Teams/ Clubs	wear kit, have a company name for the stadium			
3. Sports	rename competitions			
4. Events	allow use of their logo and provide free product to athletes			
Benefits o	f sponsorship for sports			
1. Individuals	cover costs of kit/equipment			
2. Teams/ Clubs	pays towards kit/equipment and facility maintenance			
3. Sports pays for coaching				
4. Events	covers venue hire and catering			
Disad vant ages for sport				
1. Sponsorship can be limited and withdrawn				
2. Some sponsorships gi	ive a bad image to sport (e.g. alcohol)			
3. Performers can become	me reliant on sponsor			
Ben	efits for sponsors			
 Raise awareness of their brand/company Advertise prod- ucts and services 				
2. Improves company reputation				
3. Increases sales through media exposure				
Disadv	antages for sponsors			
1. Uncertain investment as sporting success not guaranteed				
2. If the sport or performers cause bad publicity, this reflects				

Y7 PE - BASKETBALL

пкізі	THE KING - KNO
Key Words:	Basketba
Lay-up	
Jump shot	Rules:
Travel	Travelling—Players are not allowed to
Double	ball in their hands. Side line ball to the
Dribble	this occurs.
	Double Dribble — This is when a player
\equiv	after the ball comes to rest or they put
Skills:	Side line ball to the opposition is award
Dribbling	Scoring-2 points awarded for a basket
Jumping	point line. 3 points are awarded for a b
Passing	side the 3 point line. 1 point is awarded
Catching	Physical contact No contact is permit
Shooting	Side line ball is awarded to the opposition
Footwork	
	Sideline Three-Point Line Mid-Court Line
Famous basketball	and the second second
players:	
12.817.5	
23	
C DOTE	
Michael Jordan	



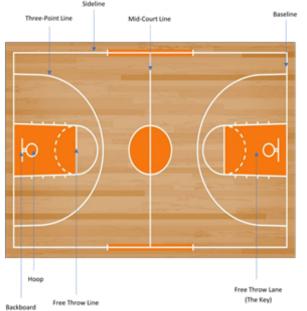
all

carry or move with the opposition is awarded if

dribbles the ball twice two hands on the ball. ded if this occurs.

et scored within the 3 basket scored from outd for a free throw.

itted between players. tion.



Classification of Skill

	Environmental influence				
Environmental influence					
Difficulty Basic Complex					
Low	Organisational Level High				
1. Open	Where the environment is constantly changing E.g. a tackle in rugby The timing and style of the tackle is heavily influenced by many factors including the ball carrier, the tackler's teammates and the position on the pitch				
2. Closed	Where the environment always remains the same E.g. a darts throw The exact timing of the throw is down to the athlete, who is throwing the same weight dart in a similar each time				
3. Basic	A skill the player finds easy and needs little concentration to do E.g. 400m race This skill has very few sub-routines				
4. Complex	A skill that requires the performer's complete attention to do E.g. a somersault on a trampoline This skill has many sub-routines				
5. Low Organisational	A skill that can be split into sub-routines easily and each sub-routine can be practiced separately E.g. front crawl Sub-routines that can be practiced separately include: arm pull, breathing stroke, leg kick, tumble turn				
6. High Organisational	A skill that isn't made up of sub-routines and needs to be practised as a whole skill E.g. A cyclist completes the action of cycling in one go This skill is almost impossible to breakdown				

Y7 PE - ATHLETICS

Key Words: Anabolic Ster-	Athletics	
oids Beta Blockers	Throws	
Diuretics Narcotic Anal- gesics Stimulants	1. Javelin, Shot Putt, Discus and Hammer are all throwing events.	
	All throws have to land in a set area. If they do not land in this set area, then they will be classed as a foul.	
	3. The distances thrown are measured in metres.	

Jumps

1. These events require you to take off from one foot. If you take off from two feet, then your jump will be a foul.

2. High jump involves jumping over a high bar which is raised if you clear the bar.

3. Long jump involves jumping as far as you can from one foot, behind the take off board.

4. Triple jump involves a three step process of 'hop, step and jump.'

5. High jump, long jump and triple jump are all jump events.

Sprinting

1. The 100m, 200m and 400m are all sprint events.

- 2. All require athletes to remain in their own lane throughout the race.
- 3. The race starts by the official starter shouting 'Take your marks, set, go'
- 4. Triple jump involves a three step process of 'hop, step and jump.'
- 5. High jump, long jump and triple jump are all jump events.



Middle Distance

1. 800m and 1500m are called 'middle distance' events. You can change lanes in this event.

2. The race starts by the official started shouting 'take your marks, go.'

1 Stimulants	Affects the Central Nervous System (CNS)	
2	Advantages: increases mental and physical alertness.	
3	Side effects: High blood pressure, heart and liver problems and are addictive!	
4	Sports: any sports where increased alertness is useful.	
5 Narcotic Analgesics Kills pain but could make injuries worse long term.		
6	Advantages: avoid pain, can perform when injured.	
7	Side effects: addictive with withdrawal symptoms, cause long term injury, low blood pressure and constipation.	
8	Sports: any sports where masking pain is useful.	
9 Diuretics Acts as a 'masking agent' - flushes other drugs out.		
10	Advantages: increases the amount you urinate - causes weightloss.	
11	Side effects: dehydration due to fluid loss and cramps.	
12 Sports: Weight division sports e.g. Boxing; Horse racing.		
13 Beta Blockers	Drugs that control heart rate.	
14	Advantages: they lower heart rate, steady shaking hands, relax and calming effects	
15	Side effects: low blood pressure, nausea, tiredness, depression and heart failure.	
16 Sports: archery		
17 Anabolic Steroids Allows you to train harder for longer.		
18	Advantages: increases muscle mass, strength, power and bone growth	
19	Side effects: infertility, high blood pressure, heart attacks, stroke à result in death!	
20	Sports: athletics, weightlifting, boxing.	

Drugs in Sport

Y7 RE – To the ends of the Earth

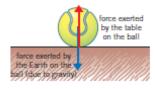
Key Words][Key Facts
1	Holy Spirit	The third person of the Trinity, true God, who Christians believe inspires people.		1	Symbols are used to communicate beliefs about the Holy Spirit . The symbols are based on biblical accounts of the Holy Spirit (dove, fire, wind) and link to Christian worship and rituals.
2	Pentecost	A Christian festival celebrating the time when the Holy Spirit came down to the apostles; also a Jewish festival known at Shavuot, celebrating the	╎┝	2	The Holy Spirit gives Christians 7 gifts: love, wisdom, understanding, counsel, fortitude, knowledge, piety and fear of the Lord.
3	Ruah	harvest and the giving of the Torah at Mt Sinai. A Hebrew word meaning wind or breath; God's Spirit that was breathed in Adam to bring him to			3
4	People of God	full life. One of the names of the Church, emphasising the community of believers united by their belief in God, the Father, Son and Holy Spirit.		4	The Bible shows that the Holy Spirit played an important role in Jesus' life: Jesus was conceived of the Holy Spirit, the Holy Spirit appeared as a dove when Jesus was baptised, Jesus said God's spirit had anointed his to do God's work.
5	Body of Christ	One of the names of the Church, emphasising the community of all those who are members of Christ's body through Baptism, with Jesus as their		5	The Holy Spirit helped the apostles to carry out the mission given to them by Jesus, gave the early Christians perseverance in a time of persecution and continues to bring more people to the Church community.
6	Temple of the Holy	head, working together like one body. One of the names of the Church, emphasising the community of all those who are led by God's spirit		6	Individual Christians can feel the Holy Spirit at work in their lives: the Holy Spirit guides people in their vocation, individuals are anointed in the Holy Spirit at Baptism which is sealed during Confirmation .
	Spirit	in their lives given to them through the sacraments.		7	At Confirmation a person celebrates receiving the gifts of the Holy Spirit, which helps them to live a Christian life and follow God.
7	Confirmation	The Sacrament of Initiation that completes Baptism and strengthens a person's faith by being sealed with the Holy Spirit as a nature member of			Key Quotes
		the Church.		1	I believe in the Holy Spirit, the Lord, the giver of life, who proceeds from the Father and the Son,
8	Fruits of the Holy Spirit	The behaviours and attitudes that are shown by a person who is filled with the Holy Spirit, such as love, joy and kindness.			who with the Father and the Son is adored and glorified, who has spoken through the prophets. (Nicene Creed)
			J	2	As soon as Jesus was baptized, he went up out of the water. At that moment heaven was opened, and he saw the Spirit of God descending like a dove and alighting on him. (Matthew 3:16)



Y7 SCIENCE - FORCES

What is a force?

- A force can be a push or a pull
- A force is measured in Newtons (N)
- We measure forces with a newton meter
- Forces explain why objects will move, change direction and change speed
- · Forces always act in pairs, we call these interaction pairs
- e.g. the tennis ball exerts a downward force of weight onto the table, the table exerts an equal and opposite reaction force onto the ball



Balanced and unbalanced forces

- When forces acting on an object are the same size, but acting in different directions, we say that they are **balanced**
- When forces are balanced, the object is either not moving (stationary) or moving at a constant speed
- When the two forces acting on an object are not the same size, we say that the forces are unbalanced
- When forces are unbalanced, the object will either be in acceleration or deceleration
- The resultant force is the difference between the two unbalanced forces



Types of forces

- · Contact forces act when two objects are physically touching
- · Air resistance and friction are examples of contact forces
- Non-contact forces act when two objects are physically separated (not touching)
- Examples of non-contact forces include gravitational force and magnetic forces
- We call the region where an object experiences a non-contact force a field, examples of these include gravitational fields and magnetic fields

Speed

- Speed is a measure of how quickly or slowly that something is moving
- We measure speed in meters per second (m/s), this means that distance must be in meters and time must be in seconds
- · We calculate speed with the following formula:

speed (m/s) = $\frac{\text{distance travelled (m)}}{\text{time taken (s)}}$

- Relative motion compares how quickly one object is moving compared to another
- If both objects are moving at the same speed, they are not changing position in comparison to one another, meaning that their relative speed is zero

Gravity

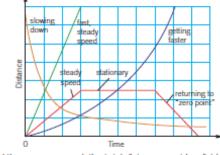
- · Gravity is a non-contact force that acts between two objects
- Gravitational force pulls you back to Earth when you jump
- The size of the gravitational force depends on the mass of the two objects and how far apart they are
- Weight is the downward force caused by gravity acting upon the mass of an object, it is measured in Newtons (N)
- Mass is the amount of matter within an object, whereas weight is the downward force of the object, we measure mass in kilograms
- We calculate weight with the equation:

weight (N) = mass (kg) × gravitational (N/kg)

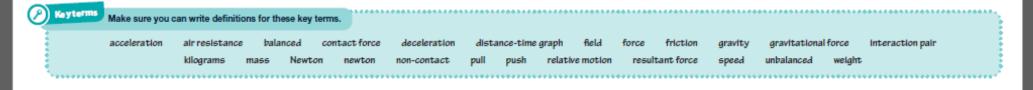
 The value of the gravitational field strength can vary, so although a person's mass would be the same on different planets, their weight would not be

Distance-time graphs

 Distance-time graphs tell the story of a journey, they show how much distance has been covered in a certain period of time



 To find the average speed, the total distance must be divided by the total time

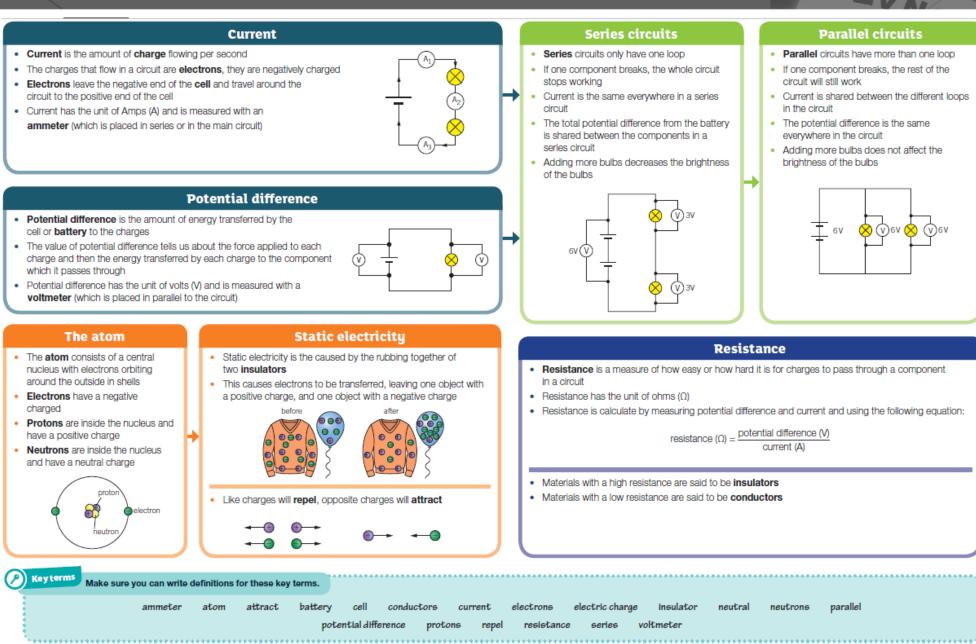


Y7 SCIENCE - FORCES

Key word	Definition	Retrieval Question	Retrieval Answer
Acceleration	Speeding up	List 2 things that forces do	Push or pull
Air resistance	A non-contact force exerted by air particles on an object	Describe the difference between a contact force and a non-contact force	Contact forces act when you touch something, non- contact forces occur when objects are not touching
Balanced	Forces acting on an object are the same	State 2 examples of contact Friction and air resistance forces	
Contact force	When 2 objects are physically touching	State 2 examples of non- contact forces	Gravity and magnetism
Deceleration	Slowing down	What are pairs of forces called	Interaction pairs
Distance – time graph	A graph that shows the story of a journey	State the units of force	Newtons (N)
Field	The region where an object experiences a force	What is a resultant force?	The forces acting on an object added together
Force	A push or a pull	State what is meant by equilibrium	When the forces acting on an object are the same size
Motion	Movement	What force acts on stationary objects?	Reaction
Gravity	A non-contact force that acts between 2 objects	State an example of a resistive force	Air resistance, friction
Gravitational force	The force that brings you down to Earth when you jump	What happens to an object if the forces are not balanced?	The object changes speed or direction
Interaction pair	Equal forces acting in opposite directions	State what is meant by speed?	How far something travels in a time
Kilograms	The unit of measurement for mass	Give the equation for calculating speed	Speed (m/s) = distance travelled (m) ÷ time taken (s)
Mass	The matter which makes up an object	State what is meant by average speed?	The overall distance travelled divided by the overall time taken
Newton	The unit of measurement for force	State what is meant by relative motion	The speed of an object relative to the speed of an observer
Non-contact	When 2 objects are not touching	State what a distance-time graph shows	The distance something travels over a certain time
Pull	A force	What does a horizontal line on a distance-time graph show?	The object is stationary/not moving
Push	A force	What does a straight diagonal line on a distance- time graph show?	The object is moving at a constant speed
Relative motion	How quickly an object is moving compared to another	What does a curve on a distance-time graph show?	The object is accelerating

Key word	Definition	Retrieval Question	Retrieval Answer
Resultant force	The difference between 2 unbalanced forces	State what is meant by acceleration	How quickly the speed of an object increases or decreases
Speed	A measure of how quickly or slowly something is moving	What is gravity/gravitational force?	A non-contact force that pulls objects towards the Earth
Unbalanced	When forces acting on an object are different	What factors affect the size of a gravitational force?	The mass of the object, how far apart the objects are
Weight	A downward force caused by gravity	Describe what is meant by a field	A region where something experiences a non-contact force
		What is the difference between mass and weight?	Mass is the amount of "stuff" something is made of; weight is a force
		State the equation for calculating weight	Weight (N) = mass (kg) x gravitational field strength (N/kg)
		State what is meant by gravitational field strength	The force that acts on every 1kg of an object
		Describe how the Earth stays in orbit around the Sun	The Earth exerts a force on the Sun and the force of gravity on the Sun keeps the Earth in orbit

Y7 SCIENCE – ELECTRICITY



Y7 SCIENCE – ELECTRICITY

Definition	
A device to measure current	
The particles all objects are made from	
Opposite charges moving towards each other	
A device that stores chemical energy and converts it to electrical energy	
A single electrical energy source	
A material with a low electrical resistance	
The amount of electric charge flowing through the circuit per second	
Negatively charged particles	
The force experienced when an object is placed in an electromagnetic field	
A material with a high electrical resistance	
No charge	
Particles with no charge	
Electric circuits with more than loop	
The amount of energy transferred by cell / battery to the charges	
Positively charged particles	
Similar charges moving away from each other	
A measure of how easy or difficult it is for charges to pass through a circuit	
Electric circuits with only one loop	
A device to measure potential difference	

Y7 SCIENCE – ELECTRICITY

Retrieval question	Retrieval answer
What does a battery/cell do in a circuit?	Provides the push to make charges move
What is meant by the potential difference?	A measure of how much energy is transferred between two points in a circuit.
State what 3 things potential difference across a cell tell you about?	The size of the force on the charges, the energy transferred by the cell, the energy transferred by the charges to the components
Name the piece of equipment used to measure potential difference	Voltmeter
State the units of potential difference	Volts
What is meant by the rating of a battery/cell?	The potential difference it is designed to work at
State what is meant by resistance	How easy or difficult it is for charge to pass through a component
State the units of resistance	Ohms (Ω)
Give the equation for calculating resistance	Resistance (Ω) = potential difference (V) ÷ current (A)
Describe what the resistance is like for an electrical conductor	Resistance is low
Describe what the resistance is like for an electrical insulator	Resistance is high
Describe how components are arranged in a series circuit	In one loop
What happens to the rest of the bulbs if one breaks in a series circuit?	They all go out
Describe the link between the p.d between components and the pd across the battery in a series circuit	The p.d. Across the components adds up to the p.d. Across the battery
Describe how components are arranged in a parallel circuit	Parallel to each other in different branches
What happens to the rest of the bulbs if one breaks in a parallel circuit?	They stay on providing they are on a different branch
Describe the link between the p.d between components and the pd across the battery in a parallel circuit	The p.d. Across each component is equal to the p.d. Of the battery
Describe what a current is	The amount of charge flowing per second
Name the piece of equipment used to measure current	Ammeter
Describe what happens to current in a series circuit	The current is the same everywhere
State the units of current	Amps (A)
State what happens to the current in a series circuit if you add more components	The current gets smaller because the resistance gets bigger
Describe what happens to current in a parallel circuit	The current in all the branches adds up to the total current
State what happens to the current in a parallel circuit if you add another branch	The total current increases
What are the two types of charge?	Positive (+) and negative (-)
What is the force called between charges?	Electrostatic force
What are the three parts of an atom called?	Proton, neutron, and electron
What charge does each part of an atom have?	Protons are positive, electrons are negative, and neutrons have no charge
State why atoms have no overall charge	They contain an equal number of protons and electrons
Describe how you can make an object positively charged, such as a balloon?	By rubbing the object against another object
State what an electric field is	The field around a charge
Describe what happens to the electric field strength as	It decreases

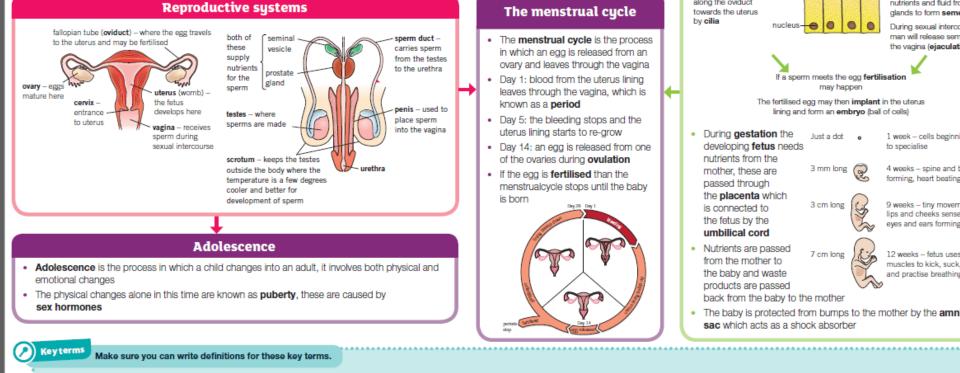
Y7 SCIENCE - GENES

Variation

- The differences in characteristics of living things is known as variation
- There is a large amount of variation between different species, but within species many more characteristics are shared
- Even though two organisms may look the same, they will always have variation between them

Inherited variation	Environmental variation
 Is anything that comes directly from your	 Is any type of variation that is caused by your
parents, anything that you inherit Examples can include lobe less or lobed	surroundings Factors that can cause environmental variation
ear lobes and eye colour	include diet, education and lifestyle

- Environmental factors can also impact inherited factors, for example a poor diet can affect height or your exposure to the sun can affect skin tone
- Characteristics which are inherited and not affected by environmental variation include natural eye colour, blood group and genetic diseases

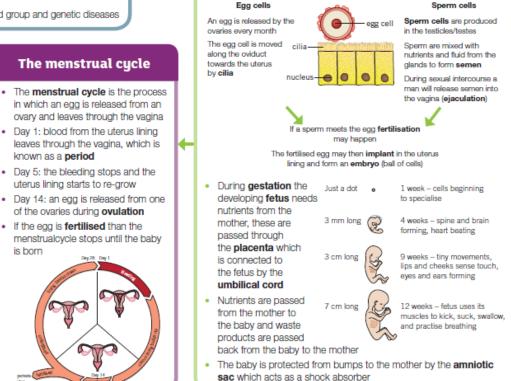


Adaptations

- Adaptations are characteristics which organisms have developed to best survive in their surroundings
- Organisms with the best suited adaptations can breed and pass these on
- Those who are not best adapted will die out and not be able to pass on their genes

Fertilisation, implantation and gestation

· Egg cells and sperm cells are also called gametes, and each contains half the genetic information needed to form a complete organism.



adaptation adolescence amniotic sac cervix cilia egg cell embryo environmental variation fertilisation fetus gamete gestation implantation inherited variation menstrual cycle ovary oviduct ovulation penis period placenta puberty reproductive system scrotum semen sex hormones species sperm cell sperm duct testicles umbilical cord urethra uterus vagina variation

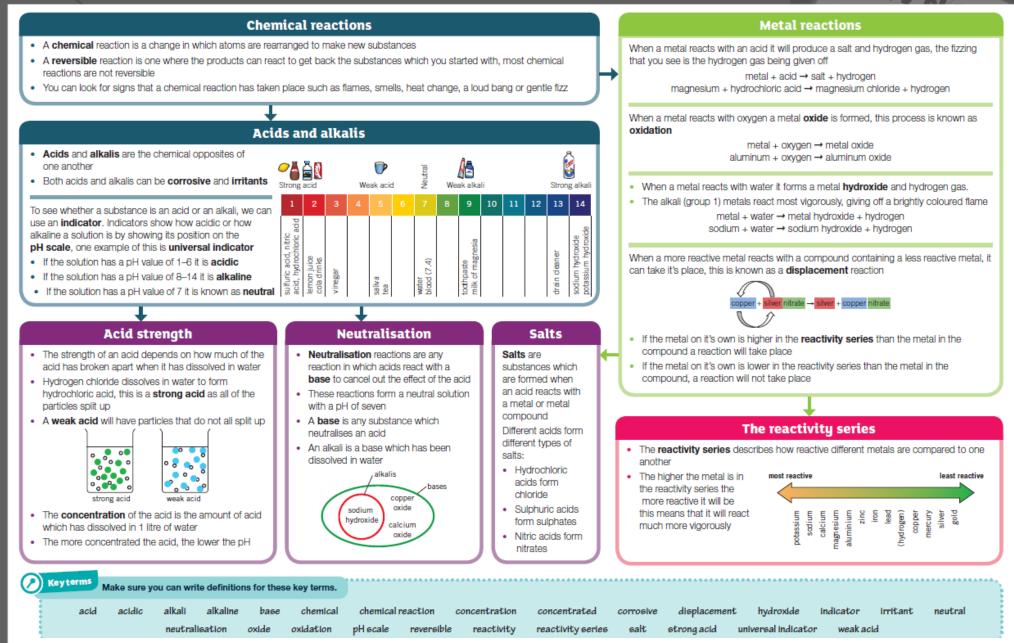
Y7 SCIENCE - GENES

Keyword	Definition
Adaptation	Characteristics which organisms develop to best survive in their surroundings
Adolescence	The physical and emotional process of a child changing into an adult
Amniotic sac	A protective membrane filled with fluid that protects the foetus in the uterus
Cervix	The entrance to the uterus
Cilia	Tiny hairs on the surface of cells in the fallopian tubes
Egg cell	Female sex cell released from the ovary
Embryo	A ball of cells that can become a foetus
Environmental variation	Variation caused by the surroundings
Fertilisation	When a sperm cell joins with an egg cell
Fetes	The unborn offspring
Gamete	Egg cells and sperm cells
Gestation	The time required for the foetus to develop (aka pregnancy)
Implantation	The settling of the fertilised egg into the uterus
Inherited variation	Characteristics inherited from your parent's genes
Menstrual cycle	The process in which an egg is released from an ovary and leaves the vagina
Ovary	Part of the female reproductive system that holds and matures the egg cells
Oviduct	The tube the egg travels down to the uterus
Ovulation	When the mature egg is released from the ovary
Penis	Part of the male reproductive system that places sperm into the vagina
Period	The loss of blood and tissue from the uterus
Placenta	Provides nutrition to the developing foetus
Puberty	The physical changes during adolescence
Scrotum	Part of the male reproductive system that keeps the testes outside the body
Semen	The fluid that supplied the nutrients for the sperm
Sex hormones	Hormones involved in puberty and adolescence
Species	Individuals that can breed and produce fertile offspring
Sperm cell	The male reproductive cell
Sperm duct	Part of the male reproductive system which carries the sperm from the testes
Testicles	Part of the male reproductive system where sperm are made
Umbilical cord	Carries the blood from the mother to the foetus
Urethra	Part of the male reproductive system the tube that carries the semen out of the penis
Uterus	Part of the female reproductive system where the foetus develops
Vagina	Part of the female reproductive system which receives the sperm during intercourse
Variation	The differences between individuals of the same species

Y7 SCIENCE - GENES

Condoms, contraceptive pill	Name two different methods of contraception
The release of an egg from the ovaries	State what is meant by ovulation
Bleeding (menstruation), uterus lining builds up, egg released, lining breaks down	Describe the stages of the menstrual cycle
28 days	State the approximate length of the menstrual cycle
The mother's cervix relaxes, muscles in the uterus contract gradually pushing the baby out of the vagina	Describe how a baby is born
An organ where substances pass between the mother's blood and the foetus	Describe the function of the; placenta, umbilical cord, amniotic fluid
Nutrients and oxygen	Give 2 things that a foetus needs to grow
The time from fertilisation until birth	State what is meant by gestation
Males - low sperm count, females - eggs not being released, blocked fallopian tubes	Give one cause of infertility in males and females
The embryo attaches to the uterus	State what happens during implantation
Sperm swim from the vagina, through the cervix and into the uterus	Describe how sperm cells travel to the egg
The male places the penis in the vagina and sperm are released	State what happens during sexual intercourse
Tiny hairs called cilia move the egg down the oviduct to the uterus	Describe how an egg travels along the oviduct
The nucleus of the sperm and the nucleus of the egg join together	State what is meant by fertilisation
Reproductive cells (male - sperm cell, female - egg cell)	State what is meant by the gametes
Ovaries - contain egg cells/releases them, oviducts - carry an egg to the uterus, uterus - where a baby develops, cervix - a ring of muscle that keeps the baby in place in the uterus, vagina - receives sperm	Describe the function of the; ovaries, oviducts, uterus, cervix, vagina
To produce egg cells	State the function of the female reproductive system
Testes - produce sperm and sex hormones, sperm duct - carry sperm from the testes to the penis, urethra - carries urine and sperm, penis - allows the male to release sperm into a female, carries urine or semen	Describe the function of the; testes, sperm duct, urethra, and penis
To produce sperm cells	State the function of the male reproductive system
Chemical messengers that travel around your body in the blood	What are sex hormones?
Retrieval Answer	Retrieval Question
breasts develop, ovaries release eggs, periods start, nips widen	Give 3 examples of changes that only happens to girls during puberty
gero	puberty
	State what is meant by puberty
The time during which you change from a child to an adult	State what is meant by adolescence
Retrieval Answer	Retrieval Question
Hibernation, migration, grow thicker fur	State 3 ways that different animals adapt to the winter
Saves energy, provide a layer of warmth and protection around the base of the tree, reuse nutrients from the leaves	Give 2 advantages of trees losing their leaves in winter
Waxy layer covering the plant, large stems to store water, wide roots to collect water from a large area, spines instead of leaves to reduce water loss	Describe 2 ways plants are adapted to live in a desert
Large body heats up slowly, do not sweat, wide feet do not sink into sand, move around at night to feed, produce concentrated urine, and dry faeces	Describe 2 ways animals are adapted to live in a desert
Features/characteristics that enable an organism to be successful, and so survive	State what is meant by the term adaptation
Bar chart	What type of graph should be used to plot discontinuous data?
Gender, blood group, eye colour (any sensible answers)	Give an example of discontinuous variation
Characteristics that can only result in certain categories	State what is meant by discontinuous variation
Histogram	What type of graph should be used to plot continuous data?
Height, body mass, hair length, arm span (any sensible answers)	Give an example on continuous variation
A characteristic that can take any value within a range	State what is meant by continuous variation
Diet, education, lifestyle (any sensible answers)	List 3 examples of environmental characteristics
Characteristics that are affected by your surroundings	State what is meant by environmental variation
Eye colour, hair colour, nose shape (any sensible answers)	List 3 examples of inherited characteristics
Characteristics that have come from their parents	What is meant by inherited variation
A group of closely related organisms that are very similar to each other	What is meant by species
Differences in characteristics	What is meant by variation
Retrieval Answer	Retrieval Question

Y7 SCIENCE - REACTIONS



Definition Keyword Acid A solution with a pH value less than 7 Acidic A solution with a pH between pH1 and pH6 Alkali A soluble base Alkaline A solution with a pH between pH8 and pH14 Any substance which neutralises an acid Base Chemical A substance obtained by a chemical process Chemical reaction A change in which atoms are rearranged to create new substances Concentration The amount of substance dissolved in 1 litre of water A solution with many solute particles per litre Concentrated Corrosive A substance that can burn When a more reactive metal reacts with a compound containing a less reactive metal Displacement An ion containing hydrogen and oxygen Hydroxide Indicator A chemical used to identify substances as either acid or alkaline A chemical that makes the skin or eyes itch Irritant A solution of pH 7 Neutral Reactions in which an acid reacts with a base to reach pH 7 Neutralisation Oxide A substance which contains oxygen Oxidation A chemical reaction in which a substance combines with oxygen A measurement of a substance being acid, alkaline or neutral pH scale Reversible A change in which it is possible to get back to the original substances Reactivity The likelihood of a substance undergoing a chemical reaction Reactivity series A list of metals showing how different metals are compared to one another A salt is a compound in which the hydrogen atoms of an acid are replaced by atoms of a metal Salt Strong acid An acid in which all the acid particles split up when it dissolves in water Universal indicator A chemical which reacts with acids and alkalis to give a colour change An acid in which only some of the acid particles split up when it dissolves in water Weak acid

Y7 SCIENCE - REACTIONS

Y7 SCIENCE - REACTIONS

Magnesium, zinc, iron, lead, copper, silver, gold, platinum	List the metals in order of most reactive to least; copper, silver, gold, magnesium, iron, lead, zinc, platinum
Sulfate	Name the salt made when sulfuric acid reacts with a metal
Salt + hydrogen	Name the products formed when an acid reacts with a metal
A substance reacts with oxygen to make an oxide	Describe what happens during an oxidation reaction
Metal oxide	State the product formed when a metal reacts with oxygen
The substances that are made in a chemical reaction	State what is meant by a product?
The starting substances in a chemical reaction	State what is meant by a reactant?
Metal oxides - most are solids, most are bases, non-metal oxide - most are gases, most are acids	Describe two differences between metal and non-metal oxides
Chemical properties - describe chemical reactions, physical properties - describe things you can observe and measure without changing the material	What is the difference between a chemical and a physical property?
Poor conductors of electricity, poor conductors of heat, dull, low density, brittle	Describe 5 properties of non-metal elements
Good conductors of electricity, good conductors of heat, shiny, high density, malleable	Describe 5 properties of metal elements
Liquid metal - mercury, liquid non-metal - bromine	State the name of the only liquid metal and liquid non-metal
Iron, cobalt, nickel	State the name of 3 magnetic elements
A list of all the elements grouped together with similar properties	What is the periodic table?
A substance that contains just one type of atom	State what an element is
Add a base to an acid until no more reacts, filter to remove the unreacted base, heat the solution to evaporate most of the water, leave to crystallise	Describe a method for making and separating a salt from the reaction of an acid and a base
Chloride	What salts does hydrochloric acid make?
Nitrate	What salts does nitric acid make?
Salt + water	State the products formed when an acid reacts with a base
Salt + hydrogen	State the products formed when an acid reacts with a metal
A substance that forms in a chemical reaction between an acid and a metal (compound)	Describe what a salt is
Retrieval Answer	Retrieval Question
reaches / Neutralising soil or lakes (any sensible answers)	alkali State 2 examples of where neutralisation reactions are useful
Measure a specific volume of acid, add indicator, slowly add alkali until the pH	Describe a method for making a neutral solution from an acid and an
Base - a substance that neutralises an acid and is insoluble, alkali - soluble base	State the difference between an alkali and a base
An acid reacts with a substance that cancels it out, the pH goes to 7	Describe what happens during a neutralisation reaction
Few acid particles per litre	What is meant by a dilute acid?
Lots of acid particles per litre	What is meant by a concentrated acid?
All particles split up (ionise) in a strong acid, only a few particles split up in a weak acid	Describe the difference between a strong acid and a weak acid
Strong - hydrochloric, nitric, sulfuric, weak - ethanoic (acetic), citric	Name 3 strong acids and 2 weak acids
Strong acids - 0-3, weak acids - 4-6, strong alkalis - 11-14, weak alkalis - 8-10	State what pH numbers (and colours) correspond to; strong acids, weak acids, strong alkalis, weak alkalis
A measure of how acidic or alkaline a solution is	State what the pH scale is
Red	Describe the colour change of red litmus when it is added to an acid
Red	Describe the colour change of blue litmus when it is added to an acid
A dye that turns different colours in acid and alkaline solutions	State what an indicator is
A solution that has few particles per litre	What is meant by a dilute solution?
A solution that has lots of particle per litre	What is meant by a concentrated solution?
Swelling and redness (itching)	State two hazards of using an irritant solution
Burns skin and eyes	State two hazards of using a corrosive solution
Hydrochloric, nitric, sulfuric	List the chemical names of 3 acids
Melting (any change of state), dissolving	Give examples of two types of physical change
Medicines, fabrics, building materials (any sensible answers)	Name 3 useful materials made in chemical reactions
Flames or spark, smell, substances get hotter/colder, fizzing/bubbling (effervescence)	Describe 3 pieces of evidence that suggest a chemical reaction is taking place
A change in which atoms are rearranged to make new substances	State what a chemical reaction is
Retrieval Answer	Retrieval Question

Y7 D&T – Contextual project

Research

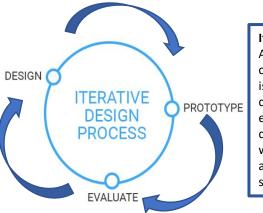
It helps designers to gain a better understanding of the problem that needs solving and equips us with the knowledge to be more successful when we start to design

Primary research	Collecting information/ data directly from people, first hand. Examples include interviews and observations, product analysis
Secondary research	Gaining information/ data from existing sources or published information. Examples include books and the internet
Product analysis	Examining an existing product to find out information about it. When analysing a product you may consider; how its made, what its made from, what its function is, strengths and weaknesses, cost to make, components used in manufacture, shape, colour, size
Target market	The person/ group of people you are designing your product for
Needs and wants	 Needs – what the target market needs a product to do in order for it to work Wants – desirable qualities that a target user would <i>like</i> a product to have For example: A target user needs a travel cup that will contain a liquid without it spilling but they may want it to have an adjustable handle to make it easier to carry
Material investigation	Experimenting with materials to find out their working properties

Models and Prototypes

Designers make models and prototypes before deciding on a final design. Faults and improvements can be identified and corrected, before they manufacture a final product. Target user feedback can be gained along the way

Models Models can be made whilst designing. They can be models of individu or the whole product. It helps designers see how parts/ a product will and work	
Prototype	A prototype attempts to simulate the final design, aesthetics, materials and functionality of the intended design. It is the final step before a product is manufactured. A prototype is made after lots of modelling has taken place



Iterative design:

A design process that works on a continuous cycle until a solution is found. A designer will produce designs, model the design, evaluate the success of the design. The process starts again with the designer making alterations until a suitable solution is found

Ć

SUBSTITUTE: Replace a thing, or concept with something else. COMBINE: Unitel What? Who? Ideas? Materials? ADAPT: Adjust to a new purpose. Re-shape? Tune-up? MODIFY, MAGNIFY, MINIFY Change the colour, sound, motion form, size. Make it larger, stronger, thicker, higher, longer. Make it smaller, lighter, slower, less frequent, reduce. PUT TO ANOTHER USE: Change when, where, location, time, or how to use it. ELIMINATE: Omit, get rid of, cut out, simplify, weed out... <u>òo</u>d

REARRANGE. REVERSE Change the order, sequence, pattern, layout, plan, scheme, regroup, redistribute...

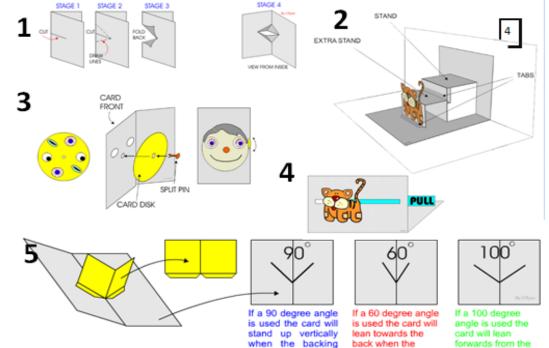
SCAMPER:

When designing you can use different aspects of SCAMPER to improve/ alter your design. For example if your design is too complex, you may choose to eliminate parts of it to simplify the design

	Paper Manufacture		
	raper manaracture		
1	Trees chopped down and logs put into a rotating drum to remove the bark		
2	Wood is then put through the chipper to make wood chips. Sometimes these are taken from unused offcuts from sawmills. This saves waste		
3	Mixed with chemicals and water to create pulp		
4	Pulp is washed and bleach is added to make it white		
5	Dyes can be added to colour the pulp for coloured paper		
6	Pulp is put through big rotating drums. These flatten the pulp into paper and remove moisture through pressure and heating the pulp		

Key Words—Graphics		
Product	Something that is designed and manufactured usually to sell	
Lignin	Organic polymers that help form structures in plants. The make plants and trees more rigid	
Pulp	Broken down wood chips. With the lignin dissolved it is now soft and fibrous	
Paper machine	A continuously running series of manufacturing processes that turns pulp into paper	
Product Analysis	Exploring existing products for inspiration and to consider what to avoid. It helps with the designing process	
Dimensions	Measurement of something. Width, height, depth	
Design Brief	A description of what is required from a new project or prod- uct. What it should do, who it is aimed at, how long it will take, etc.	
Score	The process of making a crease in paper so it will fold easier. This can be done using a craft knife, ruler or a metal edge	
GSM	Paper is measured in grams. GSM stands for grams per square meter.	

Paper/ card mechanisms 3		
1	Pop up	a pop up feature that fits on the crease of the paper/ card. Often used to create mouths for characters
2	Stand	A feature that creates a stand across a crease in the paper/ card. Design features are usually added to it so they stand out
3	Rotating	A disk that rotates, usually used in conjunction with a window cut into a piece of card that goes over the disk. A split pin secures the two pieces together
4	Sliding	a moving component that moves across the page with the use of a slide bar
5	V-Fold	A feature that stands up from the page. V folds have to be created on the crease of the paper
6	Spring	A feature that uses two strips of paper that are overlapped to create a spring. A de- sign feature is usually placed on top of the spring



card is opened.

backing card is

opened.

back when the

backing card is

Y7 D&T – PAPERS AND BOARDS

Y7 D&T - TIMBERS, METALS & PLASTICS

<u>Key topics:</u> Health and Safety, Safety Signs, Plastics, Tools and Materials, Woods, Metals, Processes, Marking out, measurement, Cutting out, Shaping, Wasting And Finishing

1. Key Vocabulary & Definition

Health & Safety	Keeping yourself and others safe when using
nealth & Salety	Reeping yoursell and others sale when using
	tools and equipment
Thermoplastic	A polymer that has a memory and can be
	reshaped when heated
Thermosetting	A polymer that is heat resistant, once shaped it
plastic	cannot be reformed
Hardwood	From deciduous tree. They are slow growing and
	more expensive
Softwood	From coniferous trees or evergreen trees that is
	fast growing. They have pines and cones.
Manufactured	Sheet materials manufactured from layers or
board	particles of wood – MDF, Plywood and chipboard

Processes				
Method used to remove and shape material				
through sawing, drilling, filing, laser cutting etc				
Method used to remove scratches from the				
acrylic				
Method used to smooth the edges of the acrylic				
An abrasive paper used with water to shape and				
finish the edge of the acrylic				
Adding polish or finish to material to enhance,				
protect or preserve materials.				

2. Health and safety

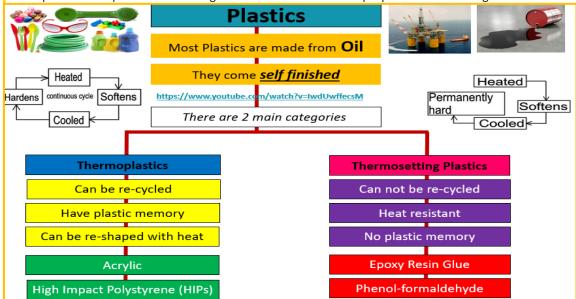




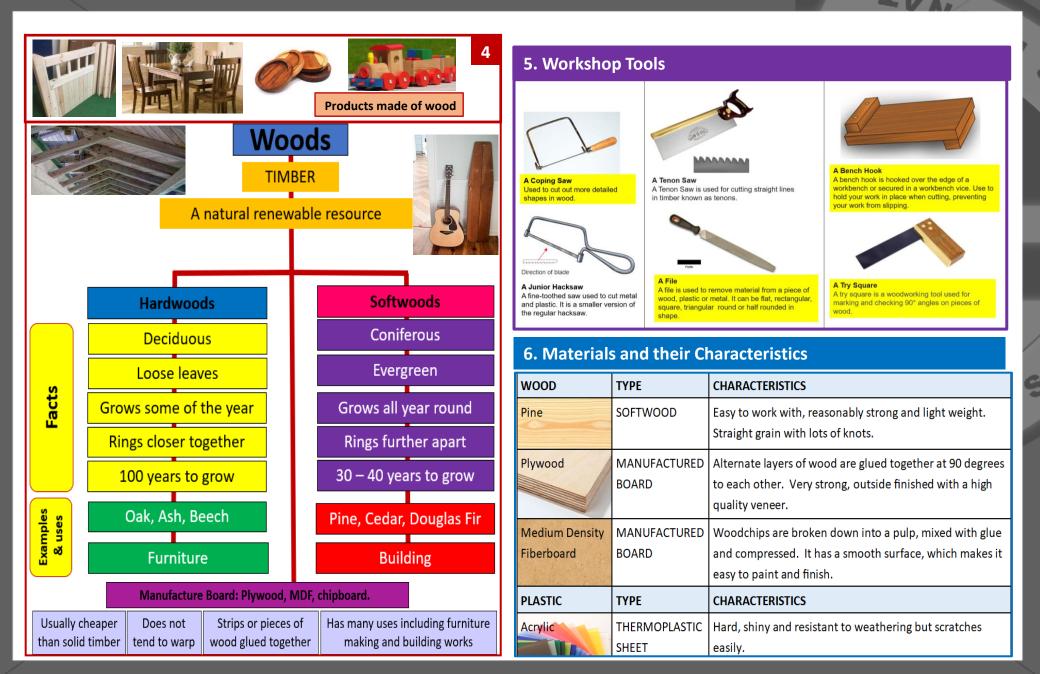
- Example of rules in the workshop
- 1. Always listen carefully to the teacher and follow instructions.
- 2. Know where the emergency stop buttons are positioned.
- 3. Always wear an apron.
- **4**. When attempting practical work all stools should be put away.
- **5**. Report any damage to equipment as this could cause an accident.
- **6**. Ask questions, especially if you do not fully understand.
- **7**. Do not use a machine if you have not been shown how to operate it safely by the teacher.
- 8. Always be patient, never rush in the workshop.
- 9. Always use a guard when working on a machine.
- **10**. Use tools carefully. Keep hands away from moving / rotating machinery.
- 11. keeping both hands behind the cutting edge.

3. Plastics

Most plastics are made of **fossil fuels**. Crude oil and natural gas go to refinement to be turned into multiple different products. Including ethane from crude oil and propane from natural gas.

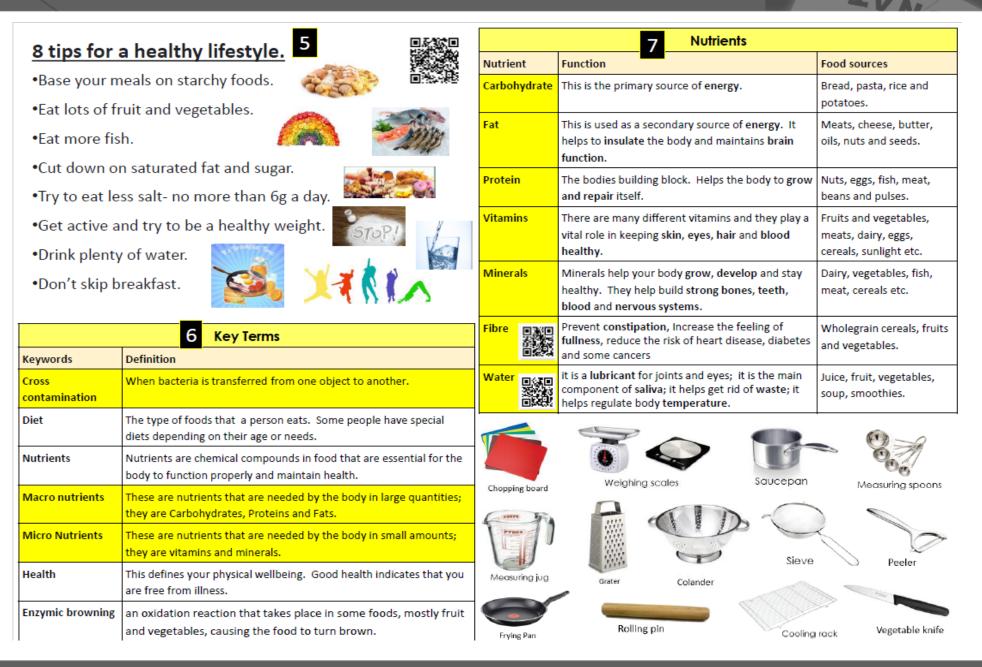


Y7 D&T - TIMBERS, METALS & PLASTICS



Key topics: The Eatwell guide, the 4 C's, nutrients, knife skills, using the oven Year 7 - Food Preparation and Nutrition: and hob, combining ingredients, shaping, forming, testing for readiness, A healthy balanced diet weighing and measuring, washing up and clearing away. 2 Preparing for a practical 1 The 4 C's Cooking Chilling Cleaning Cross Cook Contamination Let's ge Cooking kills Cleaning kills Chilling Bacteria is transferred bacteria. bacteria. from one object to prevents ke sure your microbial another. Tie long quipment and Food needs Wash hands before, Wash your growth. hair back Near a clean food preparation hands Roll up your Remove during and after to be heated Keep raw and cooked apron area is clean sleeves jewellery Notes food preparation. till steaming food separate. Cool food to Wash your hands again: Never wash raw meat. hot with the · if you have touched your face, coughed For safety reasons it is better not to wear nail varnish when cooking. below 5*C as Wash all work tops, or sneezed core utensils, chopping quickly as after touching raw meat (including poultry) Keep raw meat and Wear shoes to cover and protect your feet (not sandals or bare feet). temperature · after going to the toilet possible. boards and shellfish on the · after touching the bin CHILDREN'S reaching after touching pets or handling money. bottom shelf of the equipment. 75*C for 30 Defrost food in fridge. Eatwell Guide seconds. Rinse fruit, salad Check the label or packaged foods the fridge. Use the Estwell Guide to help you get a balance of healthier and more sustainable food. and vegetables. It shows how much of what you gat overall should come from each food group. 3 Ensure you don't hurt yourself or **Basic knife skills** Choose foods lowe others. h fat, palt and pusis Lineal Distriction Use a firm grip and even pressure. 副部 · Always cut down towards the chopping Bridge board, never cut towards yourself. · Carry a knife with the point facing downwards. Don't touch the knife blade. · Always put a knife down, don't hand it to someone else. Claw · Never leave your knife soaking in the washing up bowl. Choose unsaturated elis Never catch a falling knife. and use in ernall amount ting of which is ally. Ext left Always hand your knife back in at the Eat less often and Pecides 🙆 2000kost 🏮 1500kost = ALL FOOO + ALL DRIN end of the lesson.

Y7 D&T - FPN



Y7 D&T - FPN

Y7 D&T – FABRICS AND FIBRES

Year 7 Fibres and Fabrics			Fibre	Source	Used for 2
Key word Fibre	looks like a human		Cotton	grows in hot climates, on bushes from seeds. When the seeds ripen they split open to reveal fluffy white cotton.	Products made from cotton include jeans, blouses, T-shirts, sheets and towels
Fabric Woven	from yarn , which is made from fibre		Linen	is made from the inner bark of the flax plant. The plants have a straight stalk with blue flowers, and are grown mostly in Europe	Products made from linen include tea towels, table cloths and summer clothing.
Natural Fib Synthetic Fi		rom plants and animals uch as those made from	Silk	is made from the cocoon larvae of the silkworm, and was first developed in China.	The fabric is smooth, soft texture and is one of the strongest natural fibres.
Knitted Printing Technique	loops	fun way to add colour and	Wool	is taken from the coats of sheep and other animals, such as goats, alpacas and even rabbits!	It is used for clothing, suits, blankets and furniture upholstery. However wool can shrink and is not as durable as cotton or silk.
Renewable Sustainable	They are replaced be They are replaced be		Nylon	is made by combining chemical taken from coal, water, air, petroleum, natural gas and agricultural by- products	Nylon is lightweight, strong, durable and resistant to damage. Nylon is used to make swimwear, umbrellas and waterproof bags.
Biodegradable They decompose/rot Fibres Fibres come from several sources and can be either: 3 Natural From plants or animals. They are renewable,		an be either: 3 They are renewable,	Polyester	comes from crude oil. When made into fabric, it tends to feel slippery and silky. Some polyester is blended with other fabrics to provide more stretch, or to reduce skin irritation.	Polyester is used to make shirts, jackets and furnishings.
Synthetic	Plants – Cotton and Linen Animals - Silk and Wool Manmade/ manufactured) From fossil fuels (coal, oil and gas). Nylon, Polyester, acrylic	sustainable and biodegradable Cannot be replaced, do not decompose and contribute to environmental problems if they end up in landfill.	Equipment Embroidery Scissors	B Fabric Scissors	Needle 3

Year 7 ICT Knowledge Organiser

Logging on <u>USERNAMES</u> these begin with 20 followed by First Name Initial and then Surname. Bob Smith would be 20bsmith

Strong Passwords are usually more than 8 characters with a mixture of uppercase, lowercase letters, numbers and symbols. They should be changed frequently. You should never share passwords.

ONE DRIVE is where you save all your personal documents at Christ the King. You can access this using your email address to login to Office.Com.

Email Address example: 20bsmith@christtheking.notts.sch.uk

Sending Email we use Outlook at CtK to send Emails. You should type an email address into the To: field. If you want to send a copy of the message to another person use the CC: field – this stands for CARBON COPY. If you do not want anybody to know you are sending a person a copy you should use the BCC – Blind Carbon Copy box. You can use the High Importance button to mark your message as important.

Key Vocabulary

Personal Data – data that can be used to identify an individual. This could be Name, date of birth or home address.

Spam – irrelevant or unwanted emails or messages, usually sent to a lot of people. Normally used for advertising or spreading harmful programs. To reduce spam, tick the 'do not share my email box' on forms.

Identity Theft is when somebody pretends to be you using your person information, usually stolen online or through theft. Thieves may set up bank accounts and credit cards in your name.

Geo Tagging is when your location is tagged in social media posts or saved to a picture when you take it. Posting your location can be dangerous.

Phishing is when somebody pretends to be somebody you trust, usually in an email and asks for information which will help access your accounts or steal your identity. You should always check emails asking for information to see if they are trustworthy.

Firewall – security software preventing unauthorised access to a computer.

Anti Virus – Software that scans and removes malicious/harmful software on your computer.

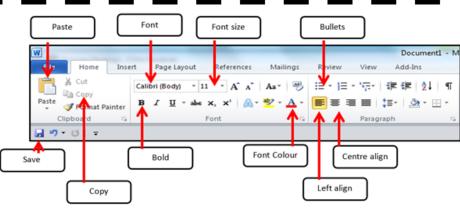


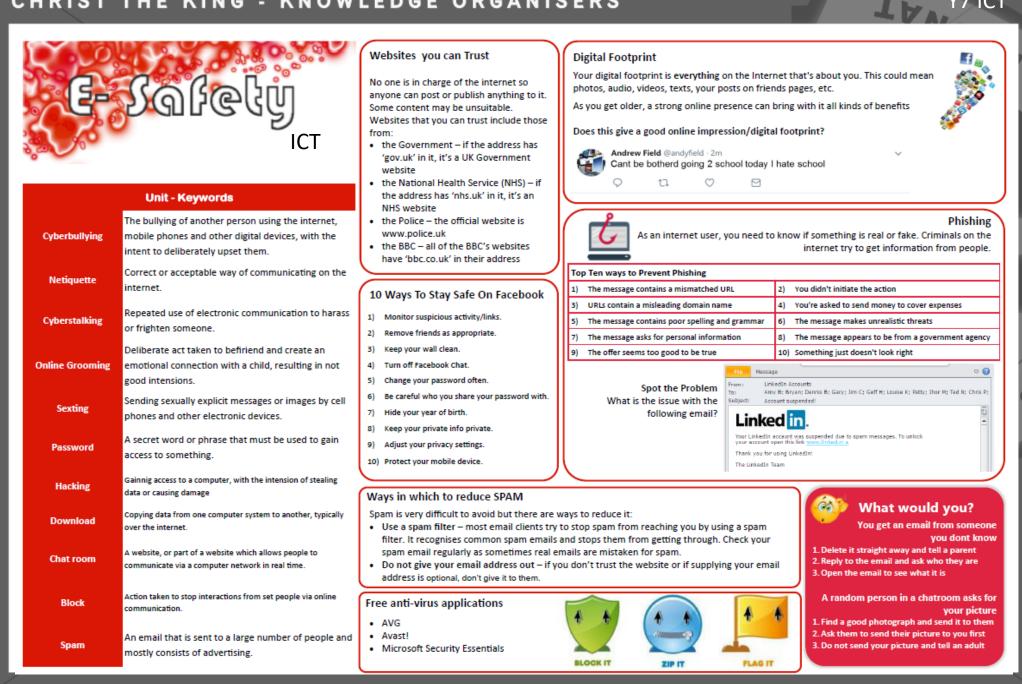
Microsoft Teams

At CTK we use Microsoft Office Teams in class, for assignments, and to connect with students. You can also download the '**Teams**' app on your desktop or phone, then use your **School email** and **password** to sign in to access it.

Vocabulary					
File	A specific piece of fata held on a computer				
Folder	A virtual location where programs, files and other folders can be located				
Shortcut key	A combination of keys that when pressed simultaneously, perform some task that ordinary requires to use a mouse.				
Email	Messages sent electronically over a computer network				
Attachment	A computer file sent along with an email message				
Search engine	A computer program that is used to look for information on the internet				
Social network	An online platform that allows users to create a public profile and interact with other users on the website				
Online profile	A social identity that an internet user establishes in online communities and websites				
Privacy settings	The part of a social networking website, internet browsers, piece of software. Etc. that allows you to control who sees information about you				
Cyberbullying	Using technology to bully someone				
Virus	A program or piece of code that is loaded onto your computer without you knowledge and runs against your wishes and has detriment effect				

Y7 ICT





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