



Knowledge Organiser Booklet

Year 8 Spring Term

	Ways to use your knowledge organiser				
	Look, Cover, Write, Check	Self Quizzing	Mind Maps	Paired Retrieval	Definitions to Key Words
:p 1	Look at and study a specific area of your knowledge organizer.	Use your knowledge organizer to create a mini quiz. Write down questions using your knowledge organizer.	Create a mind map with information from your knowledge organiser.	Like self quizzing, use your knowledge organizer to create a quiz.	Write down the key words and definitions.
Step			Ø		
Step 2	Cover or flip the knowledge organizer over and write down everything you remember.	Cover or flip the knowledge organizer over and answer the questions and remember to use full sentences and key words/vocabulary.	Add pictures to represent different facts, knowledge. Try to categorise different areas in different colours.	Ask a family member to ask you the questions and tell you which ones you get right and which ones you get wrong.	Try not to use your knowledge organiser to help you.
3	Check what you have written down. Correct any mistakes in a different coloured pen and add anything you missed. Repeat.	Check your answers. Correct any mistakes in a different coloured pen and add anything you missed. Repeat.	Try to make connections that link information together.	Following the quiz, summarise which areas you got wrong and need to revise further.	Use a different coloured pen to check you work and correct any mistakes you may have made.
Step			သိုင်		



Lionheart Literary Canon: Curating a Lifelong Love of Literature

Recommended books to have read by the end of Year 8



We Are All Made Of Molecules Susan Nielsen



The Girl of the Ink and the Stars Kiran Millwood Hargrave



The Acrobats of Agra Robin Scott-Elliot





The Curious Case of Karl Nova Karl Nova

All books can be purchased online, or loaned from our library

19th Century Short Stories

Definition of a short story: 'A story which can be read in a single sitting.' The 19th Century was the golden age of the short story.



LIONHEART

Year 8 - 19th Century Short Stories Vocabulary Lists

gothic	untarnished	Napoleonic	agony
lonesome	obsequious	rustic	fulfilled
gloomy	decrepit	mirthful	sanctity
shudder	speculative	antiquity	incongruous
gesticulation	grave	venerable	formidable
treacherous	latent	relic	sublime
fiendish	affliction	immoral	repelled
malignant	pride	servility	spectral
celestial	prophesy	loathsome	catastrophe

Maths – Year 8 Block 9 – 2-D Geometry One



Side	One of the line segments that make a flat (2-dimensional) shape.
Angle	The amount of turn between two lines around their common point (the vertex).
Degrees	A measure for angles. There are 360 degrees in a full rotation. The symbol for degrees is °
Circle	A 2-dimensional shape made by drawing a curve that is always the same distance from a centre.

Quadrilateral	A two dimensional shape with four straight sides and four angles which add up to 360 degrees. A quadrilateral with 4 straight sides where opposite sides are	Parallelogram
Parallelogram	parallel and equal in length. Opposite angles are equal. NOTE: Squares, Rectangles and Rhombuses are all Parallelograms!	Rhombus Square
Rhombus	A quadrilateral with 4 straight sides that are all equal length. Also opposite sides are parallel and opposite angles are equal. It is a type of parallelogram.	Kite Trapeziu
Kite	A quadrilateral which has two pairs of adjacent sides (they meet), that are equal in length. The angles are equal where the pairs meet.	
Trapezium	A quadrilateral that has at exactly one pair of parallel sides.	All other quadrilaterals

Block 9 – 2-D Geometry One







Angle	A measure of turn.
Adjacent	Lying next to each other.
Adjacent angles	Two angles that have a common side and a common vertex (corner point), and don't overlap.
Adjacent sides	Any two sides of a polygon with a common vertex (corner point).
Point	An exact location. It has no size, only position. Points usually have a name, often a letter like "A" or "B" etc.
Vertically opposite angles	The angles opposite each other when two lines cross. They are always equal. "Vertical" refers to the vertex (where they cross), NOT up/down.
Supplementary angles	Angles that sum to 180 degrees.
Complementary angles	Angles that sum to 90 degrees.
Line	A geometrical object that is straight, infinitely long and infinitely thin.

Line	A geometrical object that is straight, infinitely long and infinitely thin.
Line segment	The part of a line that connects two points.
RayA part of a line with a start point but no end point (it goes to infinity).	
Parallel	Lines, curves and surfaces that are always the same distance apart and will never meet.
PerpendicularAt right angles to another line or plane (flat surface).	
Intersect	To have a common point or points. For example: Two intersecting lines intersect at a point.







Transversal line					
	A line that crosses at least two other lines.				
Alternate angles		Angles formed when a transversal crosses two or more parallel lines; the angles inside the parallel lines but on opposite sides of the transversal are alternate angles.			
Corresponding ar		Angles that are in corresponding positions in relation to the parallel lines AND on the same side of the transversal line. When two angles are corresponding they are equal.			
Co-interior angles	s <u>If</u>	Co-interior angles both lie between two lines and on the same side of a transversal. If the two lines are parallel, then co-interior angles add to 180° and so are supplementary. Co-interior angles can also be called 'Allied'			
Alternate A	ngles	Corresponding Angles	Co-interior Angles	Example	
			50°		
Metre	The basic unit	of length in the metric system.		130° 50° 130° 50°	
Met <u>re</u> Centimet <u>re</u>		of length in the metric system. th of a metre (about the width of a	a fingernail).	^{130°} 50° 130° 130° 50° 50°	
	One hundred			$5 \text{ miles} \approx 8 \text{ km}$ 40 inches $\approx 1 \text{ m}$	
Centimet <u>re</u> Millimet <u>re</u>	One hundred	th of a metre (about the width of a th of a metre (a tenth of a centimet		$5 \text{ miles} \approx 8 \text{ km}$ $40 \text{ inches} \approx 1 \text{ m}$ $1 \text{ foot} \approx 30 \text{ cm}$	
Centimet <u>re</u> Millimet <u>re</u> Kilomet <u>re</u>	One hundred One thousand One thousand	th of a metre (about the width of a th of a metre (a tenth of a centimet	tre).	$5 \text{ miles} \approx 8 \text{ km}$ $40 \text{ inches} \approx 1 \text{ m}$ $1 \text{ foot} \approx 30 \text{ cm}$ $1 \text{ inch} \approx 2.5 \text{ cm}$	
Centimet <u>re</u> Millimet <u>re</u> Kilomet <u>re</u> Perimeter	One hundred One thousand One thousand The distance a	th of a metre (about the width of a th of a metre (a tenth of a centimet d metres.	tre).	$5 \text{ miles} \approx 8 \text{ km}$ $40 \text{ inches} \approx 1 \text{ m}$ $1 \text{ foot} \approx 30 \text{ cm}$	

Block 9 – 2-D Geometry One



Mean	The single value that if all numbers in a list are changed into, maintains the total of the list.		
Trapezium A quadrilateral that has at least one pair of parallel sides.			
Proportion	Two quantities are said to be in proportion if there is a constant multiplicative relationship between the two quantities.		
Ratio	A part to part comparison.		
Fraction	A part to whole comparison.		

Basic Fraction, Decimal and Percentage Conversions:

$$\frac{1}{2} = 0.5 = 50\% \qquad \frac{1}{3} = 0.3 = 33.3\% \qquad \frac{1}{4} = 0.25 = 25\% \qquad \frac{1}{5} = 0.2 = 20\%$$
$$\frac{1}{10} = 0.1 = 10\% \qquad \frac{1}{100} = 0.01 = 1\% \qquad \frac{1}{8} = 0.125 = 12.5\%$$
$$\frac{1}{8} = 0.125 = 12.5\%$$

Computer Science

KNOWLEDGE



KS3 – Computing

Systems

ORGANISER

		TRUST	-				
Key vocabulary	/		CPU Performance				
CPU	The central processing unit is computer hardware. It executes		Clock speed		How fast a processor processes instructions. Normally measured in Megahertz or Gigahertz.		
	programs and manages all other hardware in the computer system.		Cache Size			e amount of main memory data it can	
Clock Speed	The number of	instructions a processor can carry out each second	Cache Size		hold.		
Cores	A processing un in parallel to ea	nit found inside the CPU. Multiple programs can work ach other.	Number of cores	Number of cores Determines how		any tasks can be completed at the same time.	
Fetch -	The cycle used	to fetch instructions from main memory, load	Types of Secondar	ry Storage	2		
Decode - Execute Cycle	relevant data,	decode the instruction and fully execute the eats to complete a program.	Magnetic devices		Magnetic disks are read and written to with a moving h the disk drive. They often contain moving parts and are		
Primary Memory	Memory used to store data and instructions that are required by the CPU.			susceptible to damage. Magnetic dev portable.		etic devices can be either internal or	
RAM	Random Access Memory is volatile memory used to store data and instructions which are needed by the CPU. Also referred to as main memory.		Solid State devices	logic	SSD has no moving parts. It retains an electronic charge using logic gates. Examples include SD cards and USB memory sticks. Also referred to as flash storage.		
Volatile Storage	which needs data is lost.	to have power to store data. If power is lost,	Optical devices	Optical media includes CD, DVD and Blu-Ray disks. Lasers are use to read and write data to a disk. Data is stored on tracks around the disk as a series of pits which represent binary code.		k. Data is stored on tracks around	
Non -	which does r	not lose its contents when the power is lost	L	the d			
Volatile Storage				_		Operating system main tasks	
Secondary	A non-volatil	e storage medium which stores files and	Input	Input 🔶 Process 🔶 Ou		Allow software to communicate with the hardware	
Storage		amples include the hard drive (HDD) and solid				To provide a user interface for the user	
Utility Softwar	Utility Software Vocabulary		4			To manage the use of memory and the opening, closing, saving and deleting of files	
Encryption soft	ware	Encryption of data to prevent anyone from gaining unauthorised access to the system and reading the data.			n and reading the data.		
Defragmentatio	on	Reorganising files on the surface of a disk to create la	organising files on the surface of a disk to create large areas of free space and eliminate unused fragments.			To provide features that look after the security of the computer	
Lossy / lossless	compression	Software to compress data to use less space in memo	oftware to compress data to use less space in memory, or prepare for sending via the internet		ne internet	To control peripherals (such as	
Backup		A technique used to make copies of data in case of da	ata loss or damage.			keyboards, mice, monitors, printers etc)	

Computer Science

KNOWLEDGE

KS3 – Intro to Python

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	Keywords	Common Mistakes		
Input	When the user enters data into a program	Total = number1 + number2	Capital letters in variables names	
Output	When the program displays data to the user	print(total)	and commands	
Variable	An area data can be stored whilst the program is running	Print(total)		
Concatenation	The operation of joining together two strings	number1 = 25	Spelling of variable names and	
Casting	When you convert from one data type into another	number2 = <mark>36</mark>	commands	
Sequence	Instructions being executed in order	_total = numbr1 + number2	Brackets and braces come in	
Selection	When a program can make a choice about which line to execute based on a condition	<pre>print("Hello World) print("Hello World)</pre>	pairs, make sure that they are opened and closed.	
Iteration	When a program is able to repeat blocks of code multiple times	print("Hello World		

	Frequently used commands	Assignment Operators		Relational Operators	
command	comment	Description	Operator	Description	Operator
print()	Used to display to the screen	Assign	=	Equal to	==
input()	Allows user to enter value	Add then reassign	+=	Less than	<
int()	Converts value to integer				
if <criteria>: </criteria>	naths) that the program can follow depending on		-=	Greater than	>
elif <criteria>: </criteria>	a decision.	Divide then reassign	/=	Not equal to	!=
else: 		Mod then reassign	%=	Less than or equal to	<=
while <criteria>: </criteria>	Condition controlled iteration, when you don't know how may iterations need to take place.	Integer divide then reassign	//=	Greater than or equal to	>=

Fitness component	Description	Test and description
Cardiovascular endurance	The ability of the heart, lungs and blood to	12 minute Cooper run: Maximum distance ran in 12 minutes.
	transport oxygen during sustained activities.	Multistage fitness test: Shuttle runs in time to a recorded beep, which gets gradually
		quicker.
Speed	How quickly you can move the whole body or	30m sprint test: How fast you can run 30m.
	part of a body.	
Muscular endurance	To perform repeated muscular contractions over a	30s sit up test: Number of sit ups in 30s
	sustained period of time.	
Strength	The maximum force a muscle can apply.	Grip dynamometer test: Squeeze the dynamometer as hard as you can with one hand.
		1 rep max test: Heaviest weight you can lift for one repetition.
Agility	The ability to change direction at speed	Illinois agility test: How fast you can complete a circuit around cones.
Power	Speed x strength	Vertical jump test: Maximum height reached when jumping, beyond maximum reach point.
Flexibility	The range of movement around a joint.	Sit and reach test: Sit with straight legs and feet against box, measure how far you can reach past feet.

Key Terminology:

Key word	Description
Heart	A muscle which pumps blood around your body
Lungs	Organs which breathe in oxygen and breathe out carbon dioxide
Oxygen	A gas needed for creating energy
Anaerobic	High intensity exercise
Acceleration	An increase in speed
Repetition	Each time a movement is repeated
Contraction	A muscle producing a force
Balance	Remaining stable. Centre of mass stays over base of support
Force	A push or pull that changes that causes an object to speed up or slow down.
Suppleness	Moving and bending with ease.

Unit 4: Knowledge Organiser-Leadership

Roles within physical	Description of roles	Qualities
activity		
Performer	Takes part in the activity	High effort levels – try to be successful
	Executes skills and tactics	Fair – enjoyable for everyone
		• Sportsmanship (good etiquette) – enjoyable for everyone
		Can-do attitude – resilient and continue participation
Coach	Plan and lead warm up & activities	Organised – good pace
	Give instructions and demonstrate	Good communicator – participants understand what to do
	Give coaching points	Confident – have a good presence
	Time activities and whole session	Knowledgeable – improve skill level
	Can do risk assessment if no official.	Enthusiastic – motivate others
Official	Time a competition	Knowledgeable – can enforce rules
	Enforce the rules	Confident – have good presence
	Risk assessment	Good communicator – participants understand what is happening
	Start and stop the game	Good decision maker – game is fair

How to do a risk assessment:

- Check participants for correct kit, footwear, hair, nails, no chewing gum
- Check the playing area is clear, undamaged and not weather affected e.g. frozen pitch
- Check equipment is in good working order
- Check spare equipment is put away

Warm up ideas:

- Stuck in the mud
- Cups and saucers with cones (one team turn cones right way round, the other team turn them upside down)
- Truck and trailer (can be dribbling a football/ basketball etc)
- Piggy in the middle
- Obstacle course

Religious Studies

What do we mean by Sanatan Dharma? Knowledge Organiser

Concept	Explanation	Concept	Explanation
Sanatan Dharma	This is the term that many Hindu's will use for their religion. It means 'eternal truth'. In the UK, 54% of 14-24 surveyed in 2023 said they use the	Isa Upani- shad	About Brahman: 'He moves, and he moves not. He is fair, and he is near. He is within all and he is outside of all'.
The	term Hinduism; 16% Hindu Dharma and 16% Sanatan Dharma Most scholars believe Hinduism started somewhere between	Trimurti	Three aspects of God or three deities (gods) responsible for crea- tion
Origins of Sanatan Dharma	2300 BCE and 1500 BCE in the Indus Valley, India. Many Hindus argue that their faith has always existed. Hinduism has no one founder Hindus have a wide range of beliefs and many different beliefs.	Brahm a	Brahma is the creator. He is the least worshipped of the deities He has four heads- one to represent each of the vedas (ancient
Statistics	5 Third largest religion in the world 1.2 billion followers (15% of the world) 1.8% of England and Wales identify as Hindu. Of these, 30 %		Hindu texts), which he constantly recites. He has a consort called Saraswati who is the goddess of knowledge.
	are under 30, 74% under 50 and 10% over 65 17.9% of Leicester identify as Hindu The UK Hindu community has grown 86% in the last 20 years	Vishnu	Vishnu is the Preserver and Protector. He is seen as having a human body with four arms; each arm rep- resents som ething he is responsible for
ઝઁ	The Aum is known as the sym bol of Hinduism and it is the main sym bol of Brahman. It represents the first sound at the start of the universe.		Conch (shell): Aum— the sound at the start of the universe The Chakra (disc)— the mind. The lotus flower- glorious existence and liberation. The mace— mental and physical strength. He has had 9 incarnation e.g. Rama (greatest warrior) and Krishna
Brahman	man The name for God or ultimate reality. He is a limitless, univer- sal soul or consciousness who is beyond human understanding		who delivered the holy book the Bhagavad Gita
	but the source of all life. Brahman— he is seen as a non-personal God Antaryami— 'the God within' as he is in the heart of everyone Bhagavan- He is a personal God or Lord and is approached through many deities, living in the spiritual world	Shiva	Shiva is the destroyer who will end the universe but also causes change. He has the following features: A third eye- represents his wisdom and insight Cobra necklace- his power over the most dangerous creatures Vibhuti- three horizontal lines in white ash on his forehead repre sent his omnipotence and wealth



Y8 Art & Design–Pop Art Portraits

APPLY

			<u> </u>		
EXPLORE	DEVELOP	CREATE		EVALUATE	
Pupils will explore the techniques and work of Pop Artists such as Andy Warhol and Michael Craig Martin, whilst using he over arching theme of Portraiture and Who we are The Portraiture and Who we are the portunation of th		Pupils will create a series of observational drawings in a range of media including pencil and collage and create a mask inspired their explorations. Pupils will reflect on an knowledge and skills le developed to bring tog outcome through skets and 3D outcomes.		rnt and ether a final	
ESSENTIAL KNOWLEDGE- You will Lee	arn That	Techniques and	Processes- You will	learn how	
Recording from Observation Primar drawing: drawing something real in observational drawing: drawing sor Portraiture is a very old art form go Egypt.	front of you. Secondary source mething from a picture.	 Pressing harder Shading straigh Use the direction the 3D surface 	nge of tonal drawing a 3D object and lighter with a part across a surface w on of your pencil to h pws will also help ma	encil creates the different Il make an item appear flo	tones at
Key Practitioners – Artists, Designers	, Materials/ Mediums/ Ingredients – Origins and	Topic Terminolog	ĴŶ		
Pop Art	Properties	Word		Definition	
a deconstruction of images	Collage visual elements are combined to	viewfinder	A window to select	focus area for drawing	
seen in popular culture eg. television, comic books, or	create a new image that conveys a	composition	The position and lay	out of shapes on the paper	
films	message or idea. layering	line	• Defines shape, the	outer edges of something	
A portrait is a painting, photograph,	Value	tone	• How dark or light a	shape is	
sculpture, or other artistic	the lightness or darkness of a colour.	shape	The outline of the st	II life objects	
representation of a person, in which the face and its expressions are	origin of the colours (true colour)	form	Appearing three-di	mensional	
, predominant	using symbolic images and indirect	pattern	A repeated shape	or line	
Still life - a collection of inanimate objects(things that are not living)	suggestion to express mystical ideas, emotions, and states of mind.	texture	 The feel or appeard or smooth it is 	ince of a surface, how rough	
Artists: Andy Warhol Michael Craig Martin	Grid involves drawing a grid over your reference photo, and then drawing a grid of equal ratio on your work surface Juxtaposition placing two or more things side by side H F H B D 20 50 40 00 00 00 00 00 00 00 00 00 00 00 00	restratic Vocabu	ditter of the	CERAMIC TECHNIQUES	AB

ADT



Y8 Food Tech– Diet, activity and health

EXPLORE	DEVELOP	CREATE	EVALUATE
This is an Food Tech project where pupils vill explore Diet, activity and health through xploring knowledge and theory of food ech practicePupils will develop their skills of cooking through various meals and apply their knowledge of healthy diet. understand basic healthy eating principles, including the Eatwell Guide.		To learn how to modify a recipe to create it more suitable for individual tastes and dietary needs.	
ESSENTIAL KNOWLEDGE- You will L	earn That	Techniques and Processes- You v	vill learn how
There are health issues related to dietary ere to include a variety of different activity in physical, social and mental wellbeing. A balanced diet Abalanced diet is based on the Eatwell Guide. An unbalanced diet can lead to dietary related diseases. Every Practice Knowledge		Getting ready to cook Remove blazers/jumpers and roll up long sleer Tie up long hair and tuck in ties or head cover Thoroughly wash and dry hands. Put on a clean apron Diet and CHD 80% of CHD and str prevented by chang such as diet, physics smoking. Changes to the diet increasing oily fish ir reducing salt intake; increasing fruit and decreasing alcohol	ings. Calcium is important for strong bones. Vitamin D is needed for calcium to be absorbed from food. okes could be es to lifestyle, al activity and such as: intake; Anaemia such as: intake; Iron is vital for making red blood cells. Iron from the diet forms haemoglobin, which carries oxygen in the blood. Anaemia develops if the body's stores of iron are too
MaInutrition Having intakes of energy and/or nutrients below or in excess of needs for long periods of time can affect health. The risk of malnutrition is increased by: increased requirements for some nutrients; restricted range of foods; reduction in available income; very low income; medical conditions; psychological conditions.	Over nutrition The most common over nutrition problem is obesity caused by too much energy being consumed, or high levels of inactivity Big and drinks BMI measures your height and weight to work out if your weight is healthy. Recommended BMI range (adults) Less than 18.5 Underweight 18.5 to 25 Desirable 25-30 Overweight 30-35 Obese (Class I) 35-40 Obese (Class II) Over 40 Morbidly obese	Deficiency diseases: Adverse bodily co Iron deficiency anaemia: A condition of Common symptoms include tiredness a Kwashiorkor: A severe type of protein- Malnutrition: When the diet does not Marasmus: A severe type of energy ma protein.	nditions caused by a lack of a nutrient. aused by insufficient iron in the body. and lethargy. energy malnutrition. contain the right amount of nutrients. alnutrition in all forms, including t rate, and make you breathe faster and dults have a BMI of 30 or above. hergy expenditure and includes sitting the computer, read, work or study, and tk.

ADT



Y8 Product Design – Phone Holders

		DEVELOP		CREATE	EVA	ALUATE	
Students will explore thermosetting plastics non-ferrous metals an characteristics of each learn how to sketch in produce a neat and ac drawing.	s as well as ferrous / nd the properties and h; write a specification, n 3D and how to	Develop practical skills with hand tools and workshop machines – including doing a simple CAD/CAM process (drawing in CAD and cutting using the laser cutter); health and safety and development of independent practice		Students will design and create a plastic, metal and wooden phone holder using a wide range of workshop tools and equipment as an introduction to resistant materials. They will have a design folder full of research, drawings and written analysis that they will have created.		Students will evaluate their progress by undertaking self and peer assessment of the ideas drawings pages, final idea page, card modelling page and their practical work.	
ESSENTIAL KNOV	NLEDGE- You will Le	earn That		Techniques and Processes	s- You will lea	arn how to use	
CAD (Computer Aided Design) is when you use a computer to aid you to draw a design. We used 2D Design to draw phone holder designs.		Manufa use a c manufa used a phone example cars in	Computer Aided acture) is when you omputer to aid you to acture a design. We laser cutter to cut the holder designs. Other les are robots welding factories, 3D printing.			Keywords - what these all	o (or line bender)
Materials– Origin	ns and Properties	Materials – Origir	ns and Properties	Topic Terminology		CAD	Thermoplastic
						CAM	Function
Thermoplastics	Thermosetting Plastics			Markaharah kanakarian			
		Ferrous metals	Non-ferrous metals	🔰 ivietalwork bench vice 👘 🐚	N. A	Consumer	Laser cutter
Can be heated & melted	Once poured into a mould it	Ferrous metals Contains iron	Non-ferrous metals Does not contain iron	Metalwork bench vice Jaws	Nut	Consumer Aesthetics	Laser cutter Acylic
Can be heated & melted over and over again	Once poured into a mould it sets. Irreversible.				Nut		
 Can be heated & melted over and over again Therm means heat 	 Once poured into a mould it sets. Irreversible. Set means it sets 	Contains iron	Does not contain iron	Jaws	Nut V Blade	Aesthetics Die holder	Acylic Friction
 Can be heated & melted over and over again Therm means heat Fairly easy to recycle – difficult to sort into groups 	 Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' 	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, 	Jaws		Aesthetics Die holder Conductor	Acylic Friction Insulator
 Can be heated & melted over and over again Therm means heat Fairly easy to recycle – difficult to sort into groups before melting 	 Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' and used in building sites 	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table legs, steel beams in houses	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, kitchen foil, window frames 	Jaws		Aesthetics Die holder Conductor Therm	Acylic Friction Insulator Model
 Can be heated & melted over and over again Therm means heat Fairly easy to recycle – difficult to sort into groups 	 Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' 	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, 	Jaws		Aesthetics Die holder Conductor Therm Thread	Acylic Friction Insulator Model Prototype
 Can be heated & melted over and over again Therm means heat Fairly easy to recycle – difficult to sort into groups before melting Acrylic: car lights, baths, plastic fish tanks, shop signs HIP (high impact polystyrene: 	 Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' and used in building sites Melamine formaldehyde: picnic bowls, plates, worksurfaces Epoxy resin: 2 part glue e.g. 	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table legs, steel beams in houses Stainless steel: sinks, saucepans, knives, forks Cast iron: manhole covers,	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, kitchen foil, window frames Copper: electrical wiring, water pipes, hot water tanks Tin: food cans, electrical solder, 	Jaws Handle		Aesthetics Die holder Conductor Therm Thread Solvent	Acylic Friction Insulator Model Prototype Geometric
Can be heated & melted over and over again Therm means heat fairly easy to recycle – difficult to sort into groups before melting Acrylic: car lights, baths, plastic fish tanks, shop signs HIP (high impact polystyrene: yogurt pots, coffee cups	 Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' and used in building sites Melamine formaldehyde: picnic bowls, plates, worksurfaces Epoxy resin: 2 part glue e.g. Araldite, glues most materials 	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table legs, steel beams in houses Stainless steel: sinks, saucepans, knives, forks Cast iron: manhole covers, pans, gates, car engine blocks	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, kitchen foil, window frames Copper: electrical wiring, water pipes, hot water tanks Tin: food cans, electrical solder, takeaway trays 	Jaws	Blade	Aesthetics Die holder Conductor Therm Thread Solvent Ferrous	Acylic Friction Insulator Model Prototype Geometric Non-ferrous
 Can be heated & melted over and over again Therm means heat Fairly easy to recycle – difficult to sort into groups before melting Acrylic: car lights, baths, plastic fish tanks, shop signs HIP (high impact polystyrene: 	 Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' and used in building sites Melamine formaldehyde: picnic bowls, plates, worksurfaces Epoxy resin: 2 part glue e.g. 	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table legs, steel beams in houses Stainless steel: sinks, saucepans, knives, forks Cast iron: manhole covers,	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, kitchen foil, window frames Copper: electrical wiring, water pipes, hot water tanks Tin: food cans, electrical solder, 	Jaws Handle	Blade	Aesthetics Die holder Conductor Therm Thread Solvent	Acylic Friction Insulator Model Prototype Geometric
Can be heated & melted over and over again Therm means heat Fairly easy to recycle – difficult to sort into groups before melting Acrylic: car lights, baths, plastic fish tanks, shop signs HIP (high impact polystyrene: yogurt pots, coffee cups HDPE (high density polythene): washing baskets Polypropylene: chairs, casings	Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' and used in building sites Melamine formaldehyde: picnic bowls, plates, worksurfaces Epoxy resin: 2 part glue e.g. Araldite, glues most materials Urea formaldehyde: white electrical sockets Phenol formaldehyde: snooker	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table legs, steel beams in houses Stainless steel: sinks, saucepans, knives, forks Cast iron: manhole covers, pans, gates, car engine blocks High carbon steel: chisels,	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, kitchen foil, window frames Copper: electrical wiring, water pipes, hot water tanks Tin: food cans, electrical solder, takeaway trays Zinc: used to galvanise steel to make it rust proof e.g. cars Gold & silver: jewellery & 	Jaws Handle	Blade	Aesthetics Die holder Conductor Therm Thread Solvent Ferrous	Acylic Friction Insulator Model Prototype Geometric Non-ferrous
 Can be heated & melted over and over again Therm means heat Tairly easy to recycle – difficult to sort into groups before melting Acrylic: car lights, baths, plastic fish tanks, shop signs HIP (high impact polystyrene: yogurt pots, coffee cups HDPE (high density polythene): washing baskets 	 Once poured into a mould it sets. Irreversible. Set means it sets Difficult to recycle – it can be crushed into plastic 'gravel' and used in building sites Melamine formaldehyde: picnic bowls, plates, worksurfaces Epoxy resin: 2 part glue e.g. Araldite, glues most materials Urea formaldehyde: white electrical sockets 	Contains iron Magnetic Rusts in water / air Mild steel (low carbon) : table legs, steel beams in houses Stainless steel: sinks, saucepans, knives, forks Cast iron: manhole covers, pans, gates, car engine blocks High carbon steel: chisels, knives, railway lines	 Does not contain iron Usually non-magnetic Can corrode to form an oxide Aluminium: drink cans, ladders, kitchen foil, window frames Copper: electrical wiring, water pipes, hot water tanks Tin: food cans, electrical solder, takeaway trays Zinc: used to galvanise steel to make it rust proof e.g. cars 	Jaws Handle Bolt	Blade	Aesthetics Die holder Conductor Therm Thread Solvent Ferrous Burr	Acylic Friction Insulator Model Prototype Geometric Non-ferrous Wet & dry paper

ADT



Y8 Textiles – Monsters

EXPLORE	DEVELOP			C	REATE			EVALUATE
Pop Artists such as Andy Warhol and Michaelexperiments with a range of 2D and 3 DCraig Martin, whilst using the over arching themematerials using personal objects,) dr an	drawings in a range of media including pencil and skills learnt and developed to bring		together a final outcome through sketchbook		
ESSENTIAL KNOWLEDGE- You will Learn T	hat			Te	echnique	s and Proces	ses- You will learn h	now to use
Running stitch is a basic embroidery stitch that most learners will start with. The needle is pushed down into the fabric before coming bac up in the same movement if possible. The needle and thread are then pulled upward through the fabric to leave a flat stitch on the surface. This action is then repeated				· ·	Zig zag adjuste 1= strai 2 - 5 = ; Length of s adjuster 1-5 NEVER	er ight zigzag stitch	Tie dye is a technique using elastic bands which block dye, to create patterns.	PER GEAGED SO PER SCELOSO PER SCELOSO Version of the memory PER SC
Key Practitioners	Materials &	Equipme	ent	То	opic Ter	minology		Image: Section of the sectio
Jon Burgerman &	pins	Embroidery thread	unpicker	Ironing board	Sewing needle	Elastic bands	Textiles is the stud	y of fibres and fabrics.
Louise Evans Jon Burgerman is a UK born, trained at NTU, NYC based artist,	- XXX	S. M.	A	X	7	62		nents or staples that make a yarn. n yarn that is held together by weaving,
famed for his instantly recognisable drawings, doodles, characters and murals.	Sewing machine	Bobbin	Iron	Tjanting tool	Batik Pot	Thread	(boll), of the cottor	staple fibre that comes from the seedpod plant and is woven or knitted to make many n, calico and denim.
Welsh fashion designer and textile artist Louise Evans who goes by the name of Felt Mistress; uses felt and other fabrics, to bring to life imaginative characters of all	and the second s				(ö)	•••	Instead, felted fabr	-woven fabric and without any warp or weft. ic is made from matted and compressed o apparent system of threads.
different shapes and sizes. Her creations have appeared in television commercials, shop window displays, exhibitions and	→ ^	-			i.	U.	of fabric in differen a larger piece to fo	ental <u>needlework</u> in which pieces or patches t shapes and patterns are sewn or stuck onto rm a picture or pattern. It is used as illy on garments. The technique is either hand e.
music videos across the world.				WHIP S	ТІТСН АР	PLIQUE	Batik is an Indone	sian technique of wax-resist dyeing.



KNOWLEDGE ORGANISER

PHYSICS: Advanced Energy

Key vocabulary		PHYSICS: Advanced Energy	Key facts
conduction	Transfer of thermal energy by the vibration of particles.	Key facts	• Convection is the transfer of thermal energy in a liquid or a gas, it cannot happen without particles
convection	Transfer of thermal energy when particles in a heated fluid rise.	 Energy and Temperature: The temperature of a substance is a measure of how hot or cold it is. Temperature is measured 	 As the particles near the heat source are heated they spread out
convection current	The movement of heated fluids where hot fluid moves upwards, and cold fluid moves downwards.	with a thermometer , it has the units of degrees Celsius (°C)	and become less dense, this means that they will rise
infrared radiation	Radiation given off by the Sun and other objects that brings about energy transfer.	• The thermal energy of a substance depends on the individual energy of all of the particles, it is measures in Joules (J)	• More dense particles will take their place at the bottom nearest the heat source creating a constant flow of particles
radiation	The transfer of energy as a wave.		This is known as a convection current
temperature	A measure of the motion and energy of particles.	• As all particles are taken into account, a bath of water at 30 °C would have more thermal energy	• Convection cannot happen in a solid as the particles cannot flow, they can only move around a fixed point
thermal conductor	Material that allows heat to move quickly through it.	 than a cup of tea at 90 °C as there are many more particles The faster the particles are moving, the more thermal energy they will have 	
thermal energy store	The store containing energy due to the vibration or movement of particles of a substance.	 When particles are heated they begin to move more quickly The energy needed to increase the temperature of a substance depends on: 	
thermal imaging camera	A camera that absorbs infrared and produces a (false colour) image.	 the mass of the substance 	Radiation and Insulation: • Radiation is a method of transferring energy without the need
thermal insulator	Material that only allows heat to travel slowly through it.	what material the substance is made of	for particles
thermometer	Instrument used to measure temperature.	 how much you want to increase the temperature by 	• An example of radiation is thermal energy being transferred from the Sun to us through space (where there are no particles)
energy	Energy is needed to make things happen.	Energy and Particles:	 This type of radiation is known as infrared radiation, it is a type
energy resource	Something with stored energy that can be released in a useful way.	• Conduction is the transfer of thermal energy by the vibration of particles, it cannot happen	of wave just like light
fossil fuel	Non-renewable energy resources formed over millions of years from the remains of ancient plants or animals. Examples are coal, crude oil, and natural gas.	 without particles This means that every time particles collide they transfer thermal energy Conduction happens effectively in solids as their particles are close together and can collide often 	 The hotter an object is the more infrared radiation it will emit (give out) The amount of radiation emitted and absorbed depends on the
joule	The unit of energy, symbol J.	 as they vibrate around a fixed point Metals are also good thermal conductors as they contain electrons which are free to move. In 	surface of the object:
kilojoule	1 kilojoule = 1000 J, symbol kJ.	conduction the thermal energy will be transferred from an area which has a high thermal energy	Darker and matte surfaces absorb and emit more informed rediction
kilowatt	1 kilowatt = 1000 W, symbol kW.	store (high temperature) to an area where there is a low thermal energy store (low	infrared radiation
kilowatt hour	The unit of energy used by electricity companies, symbol kWh.	temperature)	 Shiny and smooth surfaces absorb and emit less infrared radiation, instead reflecting this
non-renewable	An energy resource that cannot be replaced once used up and will run out, such as coal, oil, or gas.	Gases and liquids are poor conductors as their particles are spread out and so do not collide often, we call these insulators	The amount of infrared radiation being emitted can be viewed on a thermal imaging camera
power	How quickly energy is transferred by a device (watts).	thermal	
renewable	An energy resource that can be replaced and will not run out. E.g. solar, wind, waves, geothermal, and biomass.	store at a high	
watt	The unit of power, symbol W.	temperature	



KNOWLEDGE ORGANISER PHYSICS: Advanced Energy

Key facts

Food and Fuels:

- Food stores energy in the form of Chemical energy store
- Different foods contain different amounts of energy
- Different activities require different amounts of energy
- Different people need different amounts of energy depending on what they do each day

Energy Resources:

- Non-renewable energy cannot be replaced within your lifetime
- Non-renewable energy resources include coal, oil, natural gas and nuclear resources
- Coal, oil and natural gas are also known as fossil fuels,
 they release carbon dioxide when burned which
 contributes to global warming
- **Renewable** energy can be replaced within your lifetime
- Renewable energy resources include wind, tidal, wave,
 biomass, solar, hydroelectric and geothermal
- Renewable energy resources do not produce much carbon dioxide, meaning that they have a smaller effect on global warming

Key facts

Power Stations:

Thermal power stations burn coal, oil and natural gas, which are all non-renewable energy resources



Energy and Power:

- Power is a measure of how much energy is transferred per second
- Power is measured in watts (W)
 - Each appliance has it's own power rating to tell us how quickly it uses energy
- We can calculate power with the **equation**:

$$Power(watts) = \frac{Energy(joules)}{Time(seconds)} \quad P(W) = \frac{E(J)}{t(s)}$$

Key facts

Electricity Costs:

- Energy van be calculated in kilowatt-hours (kWh)
- Electricity bills use the number of kWh used to decide the cost of the electricity we use.
- To work out the electricity costs we can use the following **equations**:

energy in kWh = power in kWx time in h

cost = number of kWh x cost of a kWh

Worked Examples:Example 1 - Power calculationCalculate power if energy transferred is 60J in 4s.E = 60 J, t = 4 s $P = \frac{E}{t}$ $P = \frac{60}{4}$ P = 15

P = 15 W

Example 2 – Electricity Cost Calculation

You can calculate the cost of using appliances at home using the formula:

```
cost = power (kW) \times time (hours) \times price (per kWh)
Suppose you use a 2.5 kW oven for 2 hours. Each kWh costs 10p.
cost = 2.5 kW \times 2 hours \times 10 p/kWh= 50 p
```



KNOWLEDGE ORGANISER

MATTER: THE PERIODIC TABLE

Key Word	Definition	
Periodic Table	A table of the chemical elements arranged in order of atomic number.	1 H 3 Li
Physical properties	A property of a material that you can observe or measure.	11 12 Na 19 19 20 K 37 Rb
Chemical properties	A property of a substance that is observed during a reaction in which the chemical composition or identity is changed.	55 5 Cs 1
Group	A vertical column in a Periodic table is called a group.	
Period	A horizontal row in a Periodic table is called a period.	
Trend	A specific pattern in the properties of chemical elements in the periodic table.	The Pe
Alkali metals	Metal elements in Group 1 of the Periodic table.	stepp
Halogens	Non-metal elements in Group 7 of the Periodic table.	A grou patter The si
Displacement reactions	A chemical reaction in which one element replaces another element in a compound.	is a ho the m eleme
Noble gases	Non-metal elements in Group 0 of the Periodic table.	size of
Inert	A substance that is not chemically reactive.	



The Periodic table shows all the elements. It groups together elements with similar properties. Metals are on the left of the stepped line and non-metals are on the right of the stepped line.

A group is a vertical column. As you go down a group there are patterns in melting point, boiling point and size of the atom. The size of an atom increases as you go down a group. A period is a horizontal row. As you go across a period from left to right the melting point increases from left to right for the first 4 elements, the melting points of the other elements are low. The size of the atom decreases as you go across a period.



KNOWLEDGE ORGANISER

MATTER: THE PERIODIC TABLE

The elements of Group 1

Group 1 elements are also called the **alkali metals**, they are all metals, they are good conductors of heat and electricity and are shiny when they are freshly cut. As you go down the group the melting and boiling points decrease. All group 1 metals have low densities.

Chemical properties describe how substances react with other substances. The group 1 elements are very reactive. All group 1 elements have exciting reactions with water. The reactions produce hydrogen gas. The gas moves the reacting metal around the surface of the water. The reactions also make alkaline solutions, so the universal indicator turns purple. An example of a reaction is:

Lithium + water \rightarrow lithium hydroxide + hydrogen

There is a pattern in the reactions. The reactions get more vigorous as you go down the group.

The elements of Group 7

The elements of Group 0

The Group 0 elements are also called the **noble gases**. They exist in the atmosphere. They have low melting and boiling points and are colourless gases at room temperature. The melting and boiling points of group 0 elements increases as you go down the group. The noble gases glow brightly when electricity is passed through them. This explains why the noble gases are used in advertising signs. Helium has lower density than air, that is why it is used in helium balloons. Argon is a better insulator than air, that is why it is used in the gap between two panes of glass in double glazing. The noble gases take part in few reactions. Scientists say that they are inert. Helium and neon never take part in chemical reactions but krypton and xenon can form

compounds with fluorine.



The Group 7 elements are called the **halogens**. The halogens have low melting points and they do not conduct electricity. The melting and boiling points increase as you go down group 7. This is why fluorine and chlorine are gases, bromine is a liquid and iodine is a solid. The colour of the elements also get darker as you go down the group. Group 7 elements all react with iron: **Iron + chlorine → iron chloride.** The reactions get less vigorous as you go down group 7 so fluorine is the most reactive and astatine is the least reactive.

Group 7 elements also undergo displacement reactions. A more reactive halogen will displace a less reactive halogen in its compound. Elements near the top of group 7 displace elements lower in the group from their compounds. Examples of displacement reactions are:

Chlorine + sodium bromide \rightarrow bromine + sodium chloride

Pale green colourless orange colourless

Another example is:

Bromine + sodium iodide \rightarrow iodine + sodium bromide

Orange colourless brown colourless





Biology Topic Respiration



Drugs

- Drugs are chemicals that affect the way that our body
- · Medicinal drugs are used in medicine, they benefit health
- If medicinal drugs are not taken in the correct way they
- Examples include antibiotics and pain killers
- Recreational drugs are taken by people for enjoyment
- Recreational drugs normally have no health benefits and
- Examples include alcohol and tobacco
- Drug addiction is when your body gets so used to a drug, it feels it cannot cope without it
- If someone who has an addiction stops taking the drug, they will experience withdrawal symptoms





Alveoli create a large surface area

Moist



Biology Topic Respiration

Key term	Definition
aerobic respiration	Breaking down glucose with oxygen to release energy and producing carbon dioxide and water.
anaerobic respiration	Releasing energy from the breakdown of glucose without oxygen, producing lactic acid (in animals) and ethanol and carbon dioxide (in plants and microorganisms).
biotechnology	The use of biological processes or organisms to create useful products.
fermentation	A type of anaerobic respiration in which glucose is converted into ethanol, carbon dioxide, and energy.
haemoglobin	The substance in red blood cells that carries oxygen around the body.
oxygen debt	Extra oxygen required after anaerobic respiration to break down lactic acid.
plasma	Liquid that transports blood cells and other materials around the body.

Uses of Biotechnology

- Fermenting alcoholic drinks e.g wine and beer
- Using yeast to allow bread to rise before baking.



Exercising and respiration

When exercising we breathe more quickly (increased breathing rate) to pull more oxygen into the body. Oxygen is needed to release more energy by **AEROBIC RESPIRATION.**

Music

Computer and Video Game Music

Early Computer and Video Game Music



Early video game music consisted primarily of SOUND EFFECTS (an artificially created or enhanced sound used to emphasize certain actions within computer and video games), CHIPTUNES or 8-BIT MUSIC (a style of electronic music which used simple melodies made for programmable sound generator (PSG) sound chips in

vintage computers, consoles and arcade machines) and early sound SYNTHESISER technology (an electronic musical instrument that generates audio signals that may be converted to sound). SAMPLING (the technique of digitally encoding music or sound and reusing it as part of a composition or recording) began in the 1980's allowing sound to be played during the game, making it more realistic and less "synthetic-sounding".

How Computer and Video Game Music is Produced



Fully-orchestrated SOUNDTRACKS (video game music scores) are now popular - technology is used in their creation but less in their performance. The composer uses MUSIC TECHNOLOGY to create the score, it is then played by an **ORCHESTRA** and then digitally converted and integrated into the game. Video game SOUNDTRACKS have become popular and are now commercially sold and performed in concert with

some radio stations featuring entire shows dedicated to video game music.



How Computer and Video Game Music is used within a Game

Music within a computer or video game is often used for CUES (knowing when a significant event was about to occur).

Video game music is often heard over a game's title screen (called the GROUND THEME), options menu and bonus content as well as during the entire gameplay. Music can be used to INCREASE TENSION AND SUSPENSE e.g. during battles and chases, when the player must make a decision within the game (a DECISION MOTIF) and can change, depending on a player's actions or situation

e.g. indicating missing actions or "pick-ups".

Musical Features of Computer and Video Game Music				
JUMPING BASS LINE	STACCATO	CHROMATIC MOVEMENT	SYNCOPATION	
Where the bass line often	ARTICULATION	Melodies and bass lines that	Accenting the weaker beats of	
moves by LEAP (DISJUNCT	Performing each	ascend or descend by semitones.	the bar II P P P I	
MOVEMENT) leaving 'gaps'	note sharply and		to give	
between notes	detached from	- Chromatic Scale	an II BE BEF 7	
Lite II to the	the others.		"offbeat	
	Shown by a dot.		" jumpy feel to the music.	

Character Themes in Computer and Video Game Music



Characters within a video game can also have their own **CHARACTER THEMES or CHARACTER MOTIFS – like LEITMOTIFS** within Film Music. These can be manipulated, altered and changed - adapting the elements of music - ORCHESTRATION (the act of arranging a piece of music for an orchestra and assigning parts to the different musical instruments), TIMBRE, SONORITY, TEXTURE, PITCH, TEMPO, DYNAMICS – depending on the character's situation or different places they travel to within the game.



Koji Kondo Super Mario Bros. (1985) The Legend of Zelda (1986)



Michael Giacchino The Lost World: Jurassic Park (1997) Medal of Honour (1999) Call of Duty (2003)

Famous Computer and Video Game Music Composers and their Soundtracks



Mieko Ishikawa Dragon Slayer (1993)



Martin O'Donnell and Michael Salvatori Halo (2002)



Daniel Rosenfield Minecraft (2011)



Rom Di Prisco Fortnite (2017)



Drama

Homework 1: Learn the information on this knowledge organiser.

Drama Year 8 Topic 2: Curious Incident of the Dog in the Night-Time By Mark Haddon



PHYSICAL SKILLS

- Pace (Slow/Fast)
- **Facial Expressions**
- Eye Contact
- Gesture
- Body Language
- Posture
- Levels
- Stage Space

VOCAL SKILLS

- Pace (Slow/Fast)
- Emphasis
- Projection (Strong/Weak)
- Pause (Long/Short)
- Tone (Emotion in Voice)
- Pitch (Low/High)
- Volume (Loud/Quiet)

PERFORMANCE SKILLS

How do we create a character?

- **1.** Facial Expression Happy, Sad, Scared, Excited
- **Body Language** Posture, Walk, Proximity
- 3. Gestures Exaggerated Hand Movements
- 4. Levels Status, Power, Relationships
- 5. Voice Pace, Pitch, Pause, Tone, Volume

Drama

Physical Theatre	A non-naturalistic theatre style which predominantly uses the body to convey the moods, atmospheres and feelings of the narrative to story tell.
Naturalistic	Realistic and believable, similar to everyday life, creating an illusion of reality
Round	Any move that involves passing closely around the body of your partners
Ву	Slotting in move that is neat an efficient. Reducing the space between the partners to as small as possible
Through	Passing through the partners, usually confined to the upper body and arms.
Ensemble	An approach to acting that aims for a unified effect achieved by all members of a cast working together on behalf of the play
Canon	Performing the same move at different times (like a Mexican wave)
Unison	Performing the same moves at the same time
Repetition	Repeating the same movement / sequence numerous times

PRACTITIONER: Frantic Assembly

- Frantic Assembly are a British theatre company co-founded by Artistic Director, Scott Graham, 25 years ago.
- Their approach to creating theatre is distinctly creative and has **physical theatre movement at the foreground** of all of their work.
- They have worked in over **40 countries world-wide** and regularly **collaborate** on other productions (for example, 'Humans' Channel 4, and the National Theatre's 'The Curious Incident of the Dog in the Night-Time').



Homework 2: Learn the 10 spellings below: 1.) Physical Theatre 2.) Naturalistic 3.) Round – by – through 4.) Performance 5.) Improvisation 6.) Ensemble

- 7.) Canon
- 8.) Unison
- 9.) Repetition
- 10.) Sequence

Knowledge Organiser – 1. Stuart England (1603-1645)

Gunpowder Plot (1605)	Causes of the Civil War (1625-42)	English Civil War (1642-45)
 James I became king of England and Scotland after Elizabeth's death in 1603 James passed a number of anti-Catholic laws and a small number of Catholics began plotting against the king Robert Catesby led the plot - planned to blow up the king and Parliament using gunpowder Guy Fawkes was given the task of loading gunpowder into a cellar under Parliament 	 Charles I (1625-49) Charles I became king in 1625 after the death of his father James I He believed in the Divine Right of Kings and married a Catholic which upset many Puritans in Parliament Personal Rule – from 1629-40 Charles ruled without consulting Parliament and introduced the hated Ship Money tax 	Cavaliers vs Roundheads Royalists/Cavaliers – fought for the king Parliamentarians/Roundheads – fought for Parliament Three types of soldier: 1. Pikemen – fought with a long, wooden spike 2. Musketeer – used a musket (an early type of gun) as their main weapon 3. Cavalry – fought on horseback armed with a heavy sword and two pistols
 How was the plot uncovered? One of the plotters sent a warning letter to Lord Monteagle warning him not to attend Parliament on November 5th The king's men searched the cellars under Parliament and captured Fawkes who was tortured The other plotters were killed or captured, put on trial for treason and hung, drawn and quartered when found guilty 		Key battles of the Civil War: Battle of Edgehill (1642) – ended with no obvious winner, both sides lost about 1,500 men Battle of Newbury (1643) – Charles missed a key opportunity to defeat Parliament's army when he withdrew and retreated back to Oxford Battle of Marston Moor (1644) – largest battle of the civil war, Oliver Cromwell attacked the Royalists from the rear and won an important victory Battle of Naseby (1645) – New Model Army defeated the Royalist army over 5,000 Royalist soldiers were captured and 1,000 killed – the Royalists had lost the Civil War
 Role of Robert Cecil Cecil was the king's chief minister and adviser at the time of the plot Some historians believe that he may have known about the plot all along and even helped the plotters to obtain gunpowder and rent the cellar This theory is linked to Cecil's desire to force James to take a tougher line against Catholics by proving their threat to this throne However, not all historians agree with this 	Short-term causes of the Civil War 1640 – Charles was forced to recall Parliament Nov. 1640 – Parliament publishes Grand Remonstrance a document attacking Charles and his ministers 1641 – Lord Strafford (Charles closest adviser) was executed on the orders of Parliament – led by John Pym (Puritan) January 1642 – Charles took troops into Parliament to try and arrest the 5 leading MPs who opposed him (including John Pym) August 1642 – Charles gathered his forces in Nottingham	 Why did Parliament win the Civil War? New Model Army – created by Cromwell and Fairfax to fight for Parliament it was disciplined and religious – e.g. their men often prayed together before battle and believed God was on their side Leadership – Charles and Prince Rupert made a number of tactical errors during the war whereas Cromwell used clever tactics Money – Parliament controlled London – the richest city in England – they could therefore

• However, not all historians agree with this theory and we cannot be sure about Cecil's role in the plot

August 1642 – Charles gathered his forces in Nottingham and Parliament organised their own army to fight against the king signalling the start of the Civil War

pay their soldiers more and give them better

weapons

History

Execution of Charles I	Cromwell and Ireland	Witchcraft in the 16 th and 17 th centuries
 The Trial Charles was accused of treason because evidence was discovered that he had been encouraging the Scots and the French to attack England to restore him to the throne Charles did not defend himself as he did not believe the trial was legal He was executed on 30th January 1649 	 Ireland was a mainly Catholic country but James I had tried to give Irish land to English Protestant settlers 1641 – Irish Catholics rebelled against the English and killed thousands of Protestants 1649 – after the end of the Civil War many English Protestants called for action against the Irish – they wanted revenge for the Protestants killed during the rebellion 	 Belief in witchcraft seems to have peaked in the 17th century Maleficium – evil acts people believed were performed by witches by working with the Devil Single women who were widowed and elderly were most likely to be accused of witchcraft Women who had pets were treated with
 Oliver Cromwell – Lord Protector After Charles' execution Parliament ran the country – England was a republic (ruled without a king) Disagreement between MPs meant that Parliament did not rule effectively 1653 – Cromwell seized power and made 		 suspicion because people believed they were a Familiar (a small demon given to he by the Devil) Witches were blamed for farm animals dying or crops failing
 himself Lord Protector which he meant he ruled England just like a king Cromwell's major-generals helped him to rule the country and strict Puritan laws were introduced Theatre, bear-baiting, drinking alcohol and Christmas celebrations were all banned 		 Why did people believe in witches? 1. Uncertainty –people were scared that everything was changing after the Civil Wa and were convinced that witches were at work 2. The Church – encouraged a belief in witches so people would turn to them for bolp
Painting showing Charles' execution in 1649	 Cromwell 'the curse of Ireland' August 1649 – Cromwell and his New Model Army of 12,000 soldiers invade Ireland Siege of Drogheda – Cromwell laid siege to this Irish Catholic town and when it refused to surrender he ordered his men to slaughter the people inside the town 3,500 people were killed in the siege including civilians Over the next ten years the New Model Army went on to kill or starve about one-third of the Irish population 	 help 3. Attitudes – people did not have an understanding of science so they blamed witches for negative events 4. Royalty – James I was an avid witch-hunter and wrote a popular book called Demonologie all about the dangers of witches 5. Literature – theatre became very popular in the 1600s and many plays included witches e.g. Shakespeare's Macbeth had three witches as main characters

Knowledge Organiser – Mughal Empire

Babur (1483-1530)	Humayun (1530-1556)	Akbar the Great (1556-1605)
 Babur was the founder of the Mughal Empire in India Battle of Panipat (1526) – Babur defeated Lodi the Sultan of Delhi and took control of northern India Babur was a Muslim but under his rule Hinduism was tolerated and new Hindu temples were built with his permission 	 1530 - Humayun becomes the second Mughal Emperor following his father (Babur's) death However, during his reign he struggled to maintain control of his empire. March 1539, Humayun's half-brothers Prince Hindal and Prince Kamran rebelled against him, stormed the capital city of Agra and agreed to split the Mughal Empire between them. 	 Akbar succeeded to the throne at 13 andwas determined to expand the size of his Empire - he needed to either defeat the Raiputs (powerful Hindu rulers) or persuade them to join his empire Akbar married the daughter one of the Raiput rulers and gained the loyalty of others by giving them important positions However, other Raiputs resisted Mughal control and fought against Akbar
 Trade – under Babur's rule trade with the rest of the Islamic world was encouraged especially Persia The importance of slavery in India reduced and peace was made with the Hindu kingdoms of southern India Tolerance - Babur showed tolerance towards other religions. His first act after conquering Delhi was to forbid the killing of cows because that was offensive to Hindus Money and taxes - Babur found it difficult to collect taxes from his kingdom. This made it difficult for him to raise money Library - Babur built a huge library of rare books and precious manuscripts. 	RANGE BARE AND	Military success – Akbar's forces won a series of key battles to take control of Rajput territory: 1567 – Akbar's forced defeated the Rana of Mewar and took over Rajasthan 1572 – Akbar took control of Gujurat greatly increasing the wealth of the Mughals 1576 – Akbar invaded Bengal and executed the Sultan after her refused to accept Mughal rule 1585 – Akbar invaded the mountainous region of Kashmir, where the ruler surrendered 1590s – the Deccan in the south of India was the last region that Akbar brought under Mughal control There were five Muslim sultans who refused to pay tribute to the Mughals and this led to years of fighting until they were defeated in 1600
 Culture - Babur had great ideas about civilisation, architecture and administration. He even wrote an autobiography telling the story of his life, <i>The Babur - Namah</i>. Military - Babur's forces defeated an army of 200,000 led by the Rajput Hindu princes at the Battle of Kanua (1527) After the battle, Babur continued to strengthen his control of Hindustan by capturing important forts such as Chanderi and destroying other challengers such as the Sultan of Bengal. 	 1540 – Humayun was defeated by Sher Shah and had to flee into exile 1545 – Humayun gathered a new army to confront his rebellious half-brothers with the help of the ruler of Persia 1545-1553 – eight years of fighting before Humayun was able to regain control of his empire 1555 – the Mughals took control of Agra and Delhi reestablishing the Mughal Empire 1556 – Humayun died after tripping on the stairs and cracking his skull 	Administration - Akbar divided his Empire into provinces. Each province was ruled by a Governor, financial official and military commander Akbar also recruited new mansabdars (Nobles) who were given lands to rule for Akbar and served in his army. Akbar introduced a much more effective tax collection system. Religion – Akbar was tolerant of other religions, he married Hindu princesses and abolished the jizya tax on non-Muslims

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Jahangir (1605-27) and Nur Jahan

- Religion Jahangir was the fourth Mughal Emperor and continued Akbar's tolerant religious policies and appointed Hindus to important positions in his government
- Corruption was a big problem during his rule the mansabdars began to collect more taxes from the peasants than they were allowed and kept the money for themselves.
- Foreign traders in the early 17th century huge numbers of Portuguese, Dutch and English traders were setting up trading posts in the Mughal Empire to buy cotton and spices to sell for profit in Europe.
- Jahangir was unimpressed with these traders and didn't try to encourage the manufacture and sale of goods or to develop a navy to develop trade.
- Scandal it was well known that Jahangir drank too much and took too much opium. He even had a coin minted showing him drinking a glass of wine, outraging Muslims.

Nur Jahan – wife of Jahangir and the most powerful woman in 17th century India

- She married Jahangir in 1611 and for many years ruled the Mughal Empire as Empress alongside her husband
- In 1617, gold and silver coins, which bore her name opposite that of Jahangir, started circulating.
- Court chroniclers, foreign diplomats and visitors soon started to note her unique status.
- Nur lived a life that was unusual for women at the time - hunting, issuing imperial orders and coins, designing public buildings, taking measures to support poor women

Shah Jahan (1628-1658)	Aurangzeb (1658-1707)
 Shah Jahan was a capable ruler who ruthlessly crushed the rivals to his throne after the death of his father Jahangir He boosted the income he received as emperor by increasing taxes Between 1630-32 there was a famine in Gujarat and the Deccan – Shah Jahan set up food banks and spent 150,000 rupees helping the poor 	Aurangzeb was the sixth ruler of the Mughal empire and the last emperor before British rule Aurangzeb has been criticised for helping to destroy the empire Religious tolerance came to an end and he reintroduced the jaziya tax on non-Muslims and ordered that Hindu temples should be destroyed this upset many of his subjects
Photograph of the Taj Mahal	 Rebellions – as a result of his religious changes there were a series of rebellions during Aurangzeb's reign: Deccan – Shivaji, a <u>Hindu, led</u> raids that captured Mughal forts and in 1674 he was crowned king of the Marathas Jat revolt (1669) near Delhi after 20,000 men joined a rebellion over paying taxes to the Mughals Sikh rebellion – Guru Tegh Bahadur was executed by Aurangzeb leading to a huge rebellion amongst Sikhs in northern India Marwar rebellion (1678) – Hindu rebellion after Aurangzeb tried to impose a Muslim ruler on the powerful state of Marwar
Architecture – Shah Jahan spent an estimated 30 million	End of the Empire – during the 18 th century

rupees building mosques, hospitals, schools, palaces and

Taj Mahal was built to express his Muslim faith and as a

Military - Shah Jahan sent his son Aurangzeb to defeat

the rulers of Bundelkhand in north-east India after they

Hugli - Shah Jahan destroyed a Portuguese base killing

crushed after refusing to accept Shah Jahan's lordship

Bijapur and Golconda - two wealthy states were

thousands after they upset the emperor by taxing Indian

tomb for his favourite wife Mumtaz Mahal who died

forts across his empire

were disloyal

ships

giving birth it took 21 years to build

End of the Empire – during the 18th century divisions in the Mughal empire were exploited by the British East India Company:

- Mughal empire was attacked by Nader
 Shah from Persia (1739) and Ahmad Shah
 Abdali from Afghanistan (1748-67)
- Aurangzeb's successors were too weak and there were numerous plots and murders as different rulers tried to seize the throne
- The Empire had become too large to be controlled by one ruler from the centre
- Mughal rulers became weak and they struggled to maintain control over India

Geography

Year 8 Unit 3: Rivers and Coast Knowledge organise

The Water Cycle

The water cycle is the journey water takes as it moves from the land to the sky and back again. It follows a cycle of evaporation, condensation and precipitation. In the diagram below a river would usually be part of the surface run off.



The River Valley

The land near the **source is high and steep.** Heading towards the mouth the land gets lower and flatter. The narrow V-shaped valleys open out, eventually becoming wide, flat flood plains.



The River Channel

All rivers tend to follow the same pattern; as they flow from the source to the mouth; they start off narrow and get wider; they start off straight and end up meandering.



Near the source, the river is flows over steep gradient from the hill/mountains. This gives the river a lot of energy, so it will erode the riverbed vertically to form narrow valleys.

1) River flows over alternative types of rocks. 2) River erodes soft rock faster creating a step.



4) Hard rock above is undercut leaving cap rock which collapses providing more material for erosion.

5) Waterfall retreats leaving steep sided gorge.

Here the gradient get gentler, so the water has less energy and moves more slowly. The river will begin to erode laterally making the river wider.

Lower Course of a River

Near the river's mouth, the river widens further and becomes flatter. Material transported is deposited.

	Key Terms					
Condensation	Water vapour cools and is stored as a liquid in clouds.	Meander	A pronounced bend in a river,.			
Discharge	The quantity of water that passes a given point on a stream or river-bank within a given period of time.	Ox-bow lake	A horse-shoe shaped lake which has been cut off from a meandering river.			
Evaporation	Water lost from the ground's surface.	Precipitation	Moisture falling from the atmosphere - as rain, hail, sleet or snow.			
Flood	Occurs when river discharge exceeds river channel capacity and water spills out of the channel onto the floodplain and other areas.	Surface run-off	Water flowing on top of the ground, usually in rivers and streams.			
Flood plain	The relatively flat area forming the valley floor on either side of a river channel, which is sometimes flooded. Found in the lower course of a river.	Transpiration	Water lost through pores in trees and plants.			
Gorge	A narrow, steep sided valley, often formed as a waterfall retreats upstream.	Tributary	A smaller stream or river that flows into a larger river			
Infiltration	The flow of water into soil	Waterfall	Sudden descent of a river or stream over a vertical or very steep slope in its bed. Found in the upper course of a river.			





Step 1





When a river floods, fine silt/alluvium is deposited on the valley floor. Closer to the river's banks, the heavier materials build up to form natural levees.

- Nutrient rich soil makes it ideal for farming. 1 Flat land for building houses.
- an oxbow lake. Natural levees

Step 2

action and abrasion of

outer banks, neck gets

Step 4

Evaporation and

deposition cuts off

main channel leaving

Further hydraulic

smaller.

River Management Schemes				
Soft	Hard			
Engineering	Engineering			
Afforestation –	Straightening			
plant trees to	Channel –			
soak up	increases			
rainwater,	velocity to			
reduces flood	remove flood			
risk.	water.			
Demountable	Artificial			
Flood Barriers	Levees –			
put in place	heightens river			
when warning	so flood water			
raised.	is contained.			
Managed	Deepening or			
Flooding –	widening river			
naturally let	to increase			
areas flood,	capacity for a			

settlements.

Deposition

When the sea or river loses energy, it drops the sand, rock particles and pebbles it has been carrying. This is called deposition.



- 1) Hydraulic action widens cracks in the cliff face over time.
- 2) Abrasion forms a wave cut notch between HT and LT.
- 3) Further abrasion widens the wave cut notch to from a cave.
- 4) Caves from both sides of the headland break through to form an arch.
- 5) Weather above/erosion below –arch collapses leaving stack.
- 6) Further weathering and erosion eaves a stump.

Coastal Defences

Managed

Retreat

Low value

naturally.

areas of the coast are left to

flood and erode

Hard Engineering Defences

Groynes	Wood barriers prevent longshore drift, so the beach can build up.	 Beach still accessible. No deposition further down coast = erodes faster.
Sea Walls	Concrete walls break up the energy of the wave . Has a lip to stop waves going over.	 Long life span Protects from flooding Curved shape encourages erosion of beach deposits.
Gabions or Rip Rap	Cages of rocks/boulders absorb the waves energy, protecting the cliff behind.	 ✓ Cheap ✓ Local material can be used to look less strange. X Will need replacing.
Soft Engineering	g Defences	
Beach Nourishment	Beaches built up with sand, so waves have to travel further before eroding cliffs.	 Cheap Beach for tourists. Storms = need replacing. Offshore dredging damages seabed.

Reduce flood risk

Compensation for land.

Creates wildlife

habitats.



 Waves attack the coastline.
 Softer rock is eroded by the sea quicker forming a bay, calm area cases deposition.
 More resistant rock is left jutting out into the sea. This is a headland and is now more vulnerable to erosion.

Formation of Coastal Spits - Deposition

Headland



- Swash moves up the beach at the angle of the prevailing wind.
 Backwash moves down the beach at 90° to coastline, due to gravity.
 Zigzag movement (Longshore Drift) transports material along beach.
 Deposition causes beach to extend, until reaching a river estuary.
 Change in prevailing wind direction forms a hook.
- Sheltered area behind spit encourages deposition, salt marsh forms.



What is the longshore drift?





Impacts of sea level rise in Miami

- Prolonged flooding after storms damages the city's drainage system (which would cost USD \$206 million to repair).
- Porous limestone ground makes seawalls incapable of stopping salt water from infiltrating aquifers, negatively impacting agriculture and drinking water reserves.
- Beaches are eroding and domestic sand resources are dwindling. This impacts tourism and increases erosion.
- Hurricane-driven storm surges are more frequent and higher causing massive flooding.

Why are sea levels rising?

Increase in sea level due to melting of ice sheets; this will remove water stored in a frozen state on land and enable it to flow to the sea increasing amount of water in the sea; relates to underlying cause – global warming and causes of this, e.g. increase in carbon dioxide.

Why is Miami, Florida threatened by the sea?

Miami is located in south- eastern Florida, which is a peninsula on the the South-east coast of the USA.

Since 1870, global sea levels have risen by an average of 20 cm, but **Southeast Florida's local levels have risen by 30 cm.** By 2060, it could double or triple that.

Responses to sea level rise in Miami

- To build a network of huge pumps that force water out of flood-prone areas and into Biscayne Bay. There are over 30 pumps today, with 90 planned in total.
- The estimated cost for 3 pumps, including land acquisition, is USD \$ 200 million.
- The Army Corps of Engineers estimated that the equivalent of 10,781 football fields covered in 30 cm of sand would be necessary to sustain Miami's beaches for the next 50 years.
- Less affluent areas do not have the financial resources to fight the inevitable. Even if they did, no sea wall or other barrier would be able to keep water from bubbling up through limestone.

Year 8 Unit 3: Rivers and Coast Knowledge organiser

Geography

Population

Key word definitions

Population density: The amount of people living in a given area, normally a kilometre squared. **Birth rate**: The number of births per 1000 people per year.

Death rate: The number of deaths per 1000 people per year.

Migration: The movement of people from one place to another.

Push factor: Reasons to leave a place e.g. fewer jobs and schools in rural areas.

Pull factor: Reasons that attract people to a new place e.g. higher paid jobs and better schools in urban areas.

Urbanisation: An increase in the proportion of people living in urban areas.

The world's population

- The world's population in 2022 is 7.9 billion.
- The world's population has grown rapidly over time from 1 billion in 1800, to 7 billion in 2011.
- The UN predict that by 2050 the population will be 9.8 billion, with 50% world's population growth expected to be in Africa, but the population of Europe is ageing (average age increasing).



The Demographic Transition Model

- This is a model that shows how a country's population changes as it becomes more developed.
- It shows the birth rate, death rate and total population.
- Over time the death rate falls as medical care improves and people live longer.
- The birth rate then falls as there is better access to family planning.
- By stage 5 there is natural decrease population starts to decline as birth rate is very low.

	Example countries
_	Stage 1: Tribes in the
	Amazon.
1	Stage 2: Niger
	Stage 3: Brazil
	Stage 4: UK
	Stage 5: Japan



Reasons for world population distribution

- As the map shows the world's population is not evenly spread around the world.
- Some areas such as Eastern China and India have high population densities, whilst parts of Canada, Russia and Australia have much lower population densities.

Physical reasons:

Climate: Some places have very hot climates such as the Sahara desert, whilst areas such as Canada have very cold climates which makes it harder to grow food.

Relief: Steep slopes in mountain ranges such as the Himalayas and Andes make it harder to build houses.

Human reasons:

Employment: Jobs and industry can attract people in search of work e.g. factories in eastern China.

Infrastructure: Places that are better connected make it easier for people to work so attract more people to live there.

Population pyramids

Population pyramids show the number of males and females in each age group. We can then identify the young dependents (aged 0-14), the independent or working population (15-64) and the elderly dependents (65 and over). This allows governments to plan how many schools and other facilities are needed for their population.



The left pyramid has a high birth rate, low life expectancy and high death rate. The right pyramid has a lower birth rate, higher life expectancy and lower death rate.

What is urbanisation and how is it changing over time?

- Urbanisation is an increase in the proportion of people living in cities. It is caused by rural to urban migration – the movement of people from the countryside (rural area) to the city (urban area).
- The number of megacities is increasing these are cities with more than 10 million people living there.
- By 2030, 7 of the top 10 largest cities will be in Asia, 2 will be in Africa and 1 will be in S. America.
- Tokyo is the world's largest city with an expected population of 37.2 million by 2030.
- 828 million people currently live in informal settlements or slums and the number keeps rising.
- Rapid urbanisation puts pressure on fresh water supplies, sewage, the living environment, and public health.

China's strategy to manage their population

- In 1970 China's population was 800 million and it was growing very rapidly so it was at risk of over population when there are too many people for the resources available.
- In 1979 a law was brought in to make it a legal requirement that families only had one child.
- The policy lasted until 2015 and it is thought it reduced population by 400 million.
- Some families wanted a son to carry on the family name which created a gender imbalance with too many males and not enough females, as well as more elder people and less workers.
- The policy was changed to 2 children in 2015 and has recently been changed to 3 children.

Russia's strategy to manage their population

- Russia was experiencing population decline as there 16 deaths for every 10.4 births. This is called under population when there is not enough people to make use of the available resources.
- They introduced a policy to provide mothers with \$11 000 if they had more than one child. This money could be put towards buying a house, the child's education or the mother's pension.
- By 2015 there were 1.9 million births a year, up from 1.5 million in 2005.
- The death rate also fell due to promotion of a healthier lifestyle but

Why do people migrate from Central America to Mexico/USA?

- Migration is the movement of people from one place to another. There are several different types of migration and reasons that people migrate e.g. refugees move due to war, people migrate for a better job or to join family.
- Push factors make people leave a place while pull factors draw them in to a new place.

Push factors:

- Work on banana plantations in Honduras is low paid \$5/day.
- Widespread corruption in Honduras so peoples' needs are not always prioritised by the government.
- High rates of violence in Honduras.

Pull factors:

- The "American Dream" idea that the USA offers lots of opportunities for people migrating.
- There are more jobs available in Mexico and USA.
- USA has a much lower crime rate.





French

Lionheart Modern Languages Year 7-9 High Frequency Words – FRENCH CORE

CORE					
Time phrases	Sequencers	Key ve	rb phrases	Coni	nectives
normally	normalement	I have	<u>j'ai</u>	but	mais
often	souvent	I have not	je n'ai pas de	and	et
usually	<u>d'habitude</u>	l am	<u>je</u> suis	because	<u>car</u> / parce que
from time to time	de temps en temps	l am not	je ne suis pas	also	aussi
sometimes	<u>quelquefois</u> /parfois	I would like	<u>je</u> voudrais	however	cependant
tomorrow	demain	it is	<u>c'est</u>	therefore	donc
next week	la semaine prochaine	it is not	<u>ce</u> n'est pas	as	comme
Summer / Autumn	en été / en automne	there is	il ya	or	ou
Winter / Spring	en hiver / au printemps	there is not	il n'y a pas de	however	pourtant
morning/afternoon/evening	le matin/l'après-midi/le soir	it will be	<u>ce</u> sera	on the other hand	par contre
then	puis	I'm going to	je vais +infinitive	fortunately	heureusement
always/still	toujours	you must	on doit +infinitive	unfortunately	malheureusement
at the moment	<u>en</u> ce moment	you must not	on ne doit pas +infinitive	in addition	en plus
later	plus tard	you can	on peut +infinitive		
in the future	<u>a</u> l'avenir	you cannot	<u>on</u> ne peut pas +infinitive	Negatives	
yesterday	hier	it was	<u>c'était</u>		-
last night	hier soir	it wasn't	<u>ce</u> n'était pas	no	
last week	la semaine dernière	there was	il y avait	neve	r <u>ne</u> pas
last year	<u>l'année</u> dernière	there wasn't	<u>il</u> n'y avait pas de		
next	ensuite	it would be	ce serait	Com	parisons
firstly	d'abord	it would not be	<u>ce</u> ne serait pas	more that	n plus que
after	après ça	if I was rich	<u>si</u> j'étais riche	less that	· ·
before	avant	in an ideal world	dans un monde idéal	less tildi	n <u>moins</u> que
lastly	<u>enfin</u> / finalement	in my dreams	<u>dans</u> mes rêves		
Quantifiers/	Intensifiers	Op	inions	Id	lioms
very	très	In my opinion	à mon avis / selon moi	How awful !	Quelle horreur !
too	trop	I think that	je pense que	What luck !	Quelle chance !
quite	assez	I Like	j'aime	What a surprise !	Quelle surprise !
a bit	un peu	I love	i'adore	What an idiot!	Quel imbécile !
really	vraiment	I don't like	je n'aime pas		C'est le pied !
a lot	beaucoup	l hate	je déteste	It's not my thing !	Ce n'est pas mon truc !
		I prefer	je préfère	It's a waste of time!	C'est une perte de temps
		My favourite is	ma/mon préféré(e) est	It's a waste of money!	C'est une perte d'argent
		I find that	je trouve que		

CHALLENGE					
Time phras	ses/ Sequencers	Key ver	b phrases	0	pinions
today	<u>aujourd'hui</u>	you can see	on peut voir	for me	<u>d'après</u> moi
each/every	chaque	if it is	<u>si</u> c'est	I believe that	je crois que
currently	actuellement	there would be	il y aurait	according to	selon
the next day	le lendemain	there would not be	il n'y aurait pas de	I really hate	<u>j'ai</u> horreur de
in my dreams	dans mes rêves	you could	on pourrait +infinitive	I really love	j'apprécie
in an ideal world	dans un monde idéal	you couldn't	on ne pourrait pas	I can't stand	je ne supporte pas
when I was little	<u>quand</u> j'étais petit (e)	you should	on devrait +infinitive	my friends say that	mes copains disent que
when I'm older	quand je serai plus âgé (e)	you shouldn't	on ne devrait pas	my parents say that	mes parents disent que
for 5 years	depuis 5 ans	you must	il faut +infinitive	my teachers say that	mes profs disent que
since I was 5 years old	depuis l'âge de 5 ans	you must not	il ne faut pas	my mum tells me that	ma mère me dit que
				my dad tells me that	mon père me dit que
Ouantifie	rs/ Intensifiers	Neg	atives	I would say	je dirais que
4				I like /love it / them	j'aime/j'adore ça
SO	si	nomore/longer	<u>ne</u> plus	I am for	je suis pour
rather	plutôt	nothing	<u>ne</u> rien	l am against	je suis contre
extremely	<u>extrêmement</u>	no one/nobody	<u>ne</u> personne	I agree with	ie suis d'accord avec
frankly	franchement	neithernor	<u>ne</u> ni ni	I disagree with	je ne suis pas accord avec
hugely	<u>énormément</u>			what I like is	<u>ce</u> que j'aime c'est
incredibly	incroyablement			it seems that	il semble que
				as far as is concerned	en ce qui concerne
Cor	inectives	Comparisons	/ Superlatives	I	dioms
nevertheless	néanmoins	best	<u>meilleur</u> (e)	Although it is	Bien que ce soit
whereas	tandis que	worst	pire	That's life !	C'est la vie !
even if	<u>même</u> si	the best thing is	la meilleure chose est	What a shame !	Quel dommage !
furthermore	de plus	the most important	la chose la plus	What a disaster !	Quelle catastrophe !
since	puisque	thing is	importante est	What a pain !	Quel ennui !
not at all	pas du tout	what I like the most is	<u>ce</u> que j'aime le plus est	It was so boring !	C'était la barbe !
	-			I was over the moon!	J'étais aux anges !
				I was bored to death!	Je m'ennuyais à mourir !
				I've had enough!	J'ai le cafard !
				I was so fed up!	J'en avais marre !

