

Knowledge Organiser Year 7 – Summer Term 1



Name:

P&A group:

Knowledge Assessment: Thursday 23rd May 2024 – Period 3

Vision Minsthorpe Community College: A place where everyone plays a part in strengthening our learning community through **motivation**, commitment and care.

Motivation • Commitment • Care



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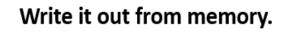
Write



Look at the information carefully. Read it three times. It may help to **say** it as you read it.



Cover it with your hand or a piece of paper.





Check what you have written matches the information exactly. Have you got it correct? If so, tick your work to show it is correct.



If it **doesn't match exactly,** use **a different coloured pen to correct it. Repeat.** When you get it 100% correct, move on to the **next** piece of information.





Subject: English KPOW: How does Ru	ssell present the impact of inequality in the extract f	rom Blood Brothers? Year 7: Summer Term 1
Week 1 & Week 2: Social Class	Week 3 & 4: Blood Brothers Social Context	Week 5, 6 & 7: Dramatic Conventions & Terminolog
Identity: The characteristics determining who or what a person or thing is. Society: The community of people living in a particular country or region and having shared customs, laws, and organizations. Social Class: refers to divisions in society based on economic and social status. People in the same social class typically share a similar level of wealth, educational achievement, type of job and income. Hierarchy is a system in which members of an organisation or society are ranked according to relative status or authority. Social mobility is the movement of individuals, families, households, or other categories of people within or between social strata in a society. It is a change in social status relative to one's current social location within a given society.	 Blood Brothers was set in the 1960s- 1980s. Learn some of the key historical and social influences of that time: In the 1960s, homosexuality became legal. Divorce became easier. Attitudes were slow to change- many people still believed in the nuclear family (a mother, father and their children). Most families were patriarchal (the husband or father in charge) In the 1970s, many of Britain's industries were in decline (not making enough profit). Margaret Thatcher became the first female Prime Minister in 1979 and decided to close many of the non-profitable coal mining pits down, having a huge impact on working class communities. In the 1970s and 1980s there was widespread unemployment in Britain, leading many working class men in particular to be forced to "go on the dole", which meant to sign up for unemployment benefits. 	Blood Brothers begins with a prologue: Pro- from the Latin, meaning in front of/ logue, denoting discourse. The four main reasons to begin with a prologue: 1. To provide background information 2. To establish the tone and the setting of the story 3. To hook the audience into the story 4. To introduce characters and conflicts. Analepsis: Flashback to an earlier point in time. Motif: a dominant or recurring idea or symbol in an artistic work Vocabulary: Superstition: (noun) a widely held but irrational belief in supernatural influences, especially as leading to good or bad luck, or a practice based on such a belief. Blood Brothers has features of a classical tragedy: In classical tragedies, a chorus gives background information and warns the audience about what will happen in the play The chorus helps the audience to interpret events. The ending of a classic Because of the play's cyclical structure, the twins' fate seems inevitable. The play also differs from a classical tragedy as it does not focus on one central character who cause their owr downfall due to a fatal flaw. In the play, there isn't one central character and Russell suggests that fate or the class system are to blame for their downfall, not the individuals.





Subject: Maths	KPOW: Fractions	Year 7: Summer Term 1
Week 1: Transformations	Week 2: Transformations	Week 3: Prime Factorisation
Translation Translations are movements in a direction. To translate a shape, you need a column vector. $\begin{pmatrix} x \\ y \end{pmatrix}$ A positive x value is a move of x spaces to the right. A negative x value is a move of x spaces to the left. A positive y value is a move of y spaces up. A negative y value is a move of y spaces down. For example, the translation of vector $\binom{-3}{4}$ shows a move of 3 to the left and 4 up from the corresponding vertices. $4 \text{ up} = \frac{4 \text{ up} + 4 \text{ $	Reflection We can reflect a shape in a mirror line. The points and their reflections will be equidistant from the mirror line. To reflect a shape, we need to know where the mirror line is. For example, triangle A has been reflected in the line y = 1. $\int_{0}^{1} \int_{0}^{1} $	Index notation We use index notation to describe repeated products The index of a number is how many times to use the base number in the multiplication. For example: $3^1 = 3$ $3^2 = 3 \times 3 = 9$ $3^3 = 3 \times 3 \times 3 = 27$ Keywords: Product: The result of multiplying numbers together. Factor: A number that divides exactly into another number. Prime factors
Rotation To rotate a shape means to turn a shape around a centre point. To carry out a rotation of a shape, we need a direction, degrees, and centre of rotation. For example, this S has been rotated 90° clockwise about the point (4, 6).	 Keywords: Isometry: Transformations that don't change the shape or size of an object. This creates congruent shapes. Enlargement: To change the size of a shape by multiplying by a scale factor. This creates similar shapes. To enlarge a shape, we need a scale factor and centre of enlargement. 	Every number can be written as a product of its prim factors. Here is a prime factor tree for 36. 36 as a product of its prime factors: $3 \times 3 \times 2 \times 2 = 3^2 \times 2^2$



Subject: Maths	KPOW: Fractions	Year 7: Summer Term 1
Week 4: Prime Factorisation	Week 5: Conceptualising Fractions	Week 6 & 7: Comparing Fractions
Highest common factor To find the highest common factor, first list the factors of each number.	Keywords: Denominator: The bottom number in a fraction. Numerator: The top number in a fraction. Mixed number: A whole number and a proper fraction	Fractions of quantities To find the fraction of a quantity, divide the quantity by the denominator then multiply by the numerator.
For example The factors of 16 are 1, 16, 2, 8, 4 The factors of 10 are 1, 10, 2, 5 The common factors of 32 and 48 are 1 and 2. The highest common factor of 16 and 10 is 2.	combined. Improper fraction: When the numerator is greater than the denominator. Equal parts We can use fractions to describe equal parts of a	For example32Find $\frac{3}{4}$ of 32Image: second
Lowest common multiple To find the lowest common multiple, first list the first multiples of each number. For example	whole. For example	32 8 8 8 8 $\frac{3}{4} \text{ of } 32 = 3 \times \frac{1}{4} \text{ of } 32 = 3 \times 8 = 24$
The first five multiples of 16 are 16, 32, 48, 64, 80, 96, 112, 176, The first five multiples of 10 are 10, 20, 30, 40, 50, 60, 70, 80 The lowest common multiple of 16 and 10 is 80.	This is $\underline{not} \frac{1}{4}$ This is $\frac{1}{4}$ Mixed numbers	32888888Equivalent fractionsWhen fractions have the same value, they are
Venn diagrams Venn diagram can be used to identify common factors.	For example	equivalent. For example
Factors of 10 Factors of 16 5 10 2 16	This picture shows one whole and four sixths (mixed number). This is the same as ten sixths (improper fraction). $1\frac{4}{6} = \frac{10}{6}$	In these diagrams the same proportion of the shape is shaded so we know the following fractions are all equivalent. $\frac{1}{3} = \frac{4}{12} = \frac{3}{9}$



Subject: Physics		KPOW: Hybrid Assessme	ent	Year 7: Summe	r Term 1	
Week 1 and 2: Biology Revie	ew 1	Week 3: Balanced and non-bala	anced forces	Week 4: Contact and	d non-contact for	ces
Keyword definitions Transplant – To take from one somewhere else.	Organ – A part of the body that has a specific function to keep you alive. Organ transplants happen when a person needs a specific organ because theirs is failing. It usually comes from	Cy al 80 N 100 N fc	n an object are rces on an object are The forces on this yclist are unbalanced nd the resultant orce on the cyclist is ON to the right. We	a transformed to the transformed	Forces between tw	-
Week 5: Friction		Week 6: Gravity		Week 7: Life cycle of	f a star	
Keyword definitions Friction – A force experienced that rub against each other. Newton - The unit that force is Newton meter – A device used on an object in Newtons.	s measured in.	Keyword definitions Weight - The force that pulls every ground due to Gravity, measured Mass – A measure of how much m object, measured in kilograms (kg) It is easier to jump on the moon because there is less gravity than earth because it is much smaller.	in Newtons (N). natter there is in an	Keyword definitions Protostar – The begin gathering. Main sequence star – life. Supernova – An explo dies.	ning of a star wher How a star spends psion of a very large	s most of its e star when it ually a star that orbit. It is a fire. other stars it is





Subject: Working Scientifically	KPOW: Hybrid Assessment	Year 7: Summer Term 1
Week 1: Chemistry Review	Week 2: Patterns in data	Week 3: Using keys
Keyword definitions: Combustion – The rapid reaction of a substance with oxygen, producing heat and light. There are three things needed for combustion to occur; a fuel, oxygen and heat. The equation for the combustion of a fuel is: Fuel + Oxygen → carbon dioxide + water You can test for these products using the experiment below; Cobalt chloride paper turns from pink to blue if water is present. Limewater turns cloudy if carbon dioxide is present. Incomplete combustion occurs if there is limited oxygen and produces carbon monoxide or carbon.	Keyword definitions Trend – A pattern in a set of data. Variables – things that can change. Scientists can look for trends in two ways; by carrying out an experiment or by making observations. They can identify a trend by looking at what happens to one variable when another one changes. As one variable increases this can cause another to increase, decrease or stay the same. In the graphs below, the variable on the x axis is <i>increasing</i> but the variable on the y axis is <i>increasing</i> in A, <i>decreasing</i> in B and <i>staying the same</i> in C. A B C C C C C C C C C C C C C	Keyword definitions Scientific key – A tool to help scientists identify objects and / or organisms. Identification key Water shrew Water shrew Mole Keys can use words or pictures to help you identify different organisms. Common shrew Vole Wole If a method state state of the low point is for a state of the low point is for an strate of the low point is for a
oxygen and produces carbon monoxide or carbon. Week 4: Particles Keyword definitions Model - A scientific model is a way of representing or visualising an object, system or event that is difficult to see or understand. Particles are too small for us to see, even with a microscope. We use the particle model to help us visualise what we know about particles. Another example of this is the atomic model.	Week 5: Solubility Keyword definitions Solubility – The ability to be dissolved. Solvent – A liquid which something can dissolve in. Solute – A soluble substance. When a substance <i>dissolves</i> the particles move into the spaces between the solvent particles so that it becomes evenly distributed. Solubility can be measured by investigating the mass of solute that can be dissolved into a specific solvent. The solubility of a substance can be increased by increasing the temperature.	categories. Technology Iff II 7 Week 6: Heating and Cooling Keyword definitions Temperature – how hot or cold something is. Heat – the form of energy that travels from a hotter place to a colder place. Also called thermal energy. Image: Colspan="2">When something is heated the particles gain thermal energy, so they move further apart. This causes the substance to expand. Image: Colspan="2">Method for the particles lose thermal energy, so they move closer together. This causes the substance to contract.





Subject: French	KPOW: Food and Dri	nk	Year 7: Summer Term 1
Week 1: Verbs for describing people	Week 2: Masculine and Fe	minine Adjectives	Week 3: Verbs for talking about relationships
Je suis [l am]	beau [beautiful]	belle [beautiful]	Dans ma famille, j'ai
Je ne suis pas [l am not]	fort [strong]	forte [strong] grande [tall]	[in my family, I have]
Il est [He is]	moche [ugly]	moche [ugly]	Dans ma famille il y a <u>quatre</u> personnes:
Elle est [She is]	petit [small/short] musclé [muscular]	petite [small/short] musclée [muscular]	[In my family there are 4 people:]
Mon frère est [My brother is]	actif [active]	active [active]	Je m'entends bien avec
Ma sœur est [My sister is]	<pre>sportif [sportive] méchant [nasty/mean]</pre>	sportive [sportive] méchante [nasty/mean]	[I get along well with]
Ma mère est [My mother is]	ennuyeux [boring]	ennuyeuse [boring]	Je m'entends mal avec
Mon père est [My father is]	généreux [generous] marrant [funny]	généreuse [generous] marrante [funny]	[I get along badly with]
Quand j'étais petit j'étais [When I was young I was]	rigolo [funny]	rigolote [funny]	J'aime [l like]
est [is]	sympa [nice] têtu [stubborn] timide [shy]	sympa [nice] têtue [stubborn] timide [shy]	J'adore [l love] Je n'aime pas [l don't like] Je déteste [l hate]
Week 4: Family Members	Week 5: Verbs and time ph	nrases for describing	Weeks 6&7: Intensifiers & Connectives
<pre>mon père [my father] mon grand-père [my grandad] mon beau-père [my step-dad] mon oncle [my uncle] mon petit frère [my little brother] mon grand frère [my big brother] mon demi-frère [my half brother] mon cousin [my cousin] ma mère [my mother] ma grand mère [my grandma] ma belle mère [my step-mother] ma tante [my aunt] ma petite sœur [my half sister] ma demi sœur [my half sister] ma cousine [my cousin]</pre>	quelquefois [sometimes] jamais [never] est quelquefois [is some il est quelquefois [he is some elle est quelquefois [he is some n'est pas [is not] il n'est pas [he is not] elle n'est jamais [is never] elle n'est jamais [he is never]	etimes] ometimes] er]	amusant [funny] amusante [funny] honnête [honest] honnête [honest] intelligent [clever] intelligente [clever] très [very] trop [too] assez [quite] un peu [a bit] car [because]





Subject: Geography KP	OW: Opportunities & Challenges in the UK	Year 7: Summer Term 1
Week 1: The Geography of Sport	Week 2 and 3: Skills – Decision Making	Week 4: Poverty in the UK
 The number of women and girls playing football in the UK has increased. Elite sportsmen and women often become role models for young people and can have powerful influence on their lives. There are more rugby league clubs in the North of England than the South. Most are located along the M62 corridor between Hull and Liverpool. The Premier League is a global brand and foreign footballers who come to play here are economic migrants. Globalisation and sport are linked. For example, many clubs `football shirts are 	has been proposed that they should expand and	 New topic. Opportunities and challenges in the UK. Poverty (When someone cannot afford their basic needs) has been increasing since the 1980s. Some factors causing this include: Increase in the cost of essential goods and services such as food, rent, fuel and childcare. Decrease in the amount of money the government gives to poorer households. In the UK, the ways to help people who live in poverty include: Making sure they attend school and get some qualifications to improve their chances of getting a better paid job. Helping to pay for medicine, housing, heat, electricity, and food.
made in poor countries to keep costs down.		3. Providing more affordable housing .
Week 5: Water supplies	Week 6: Waste and Air Pollution	Week 7: UK Energy
One household can use as much as 350 litres of wate every day. This accounts for 10% of global water use. 20% is used for industry (factories) and 70% is used f agriculture (farming). There are 65 million people living in the UK, but they are not evenly distributed (spread out). Also, rain doesn't always fall where it is needed. So, some areas have more than enough water for everyone, but in other areas there isn't enough rain to provide water for everyone. Rainfall is collected in two main stores for human use	 In the UK, most waste (53.6%) goes into landfill. Landfill sites release methane gas which causes global warming. They also release chemicals into the ground which can pollute water supplies. Reducing waste is a priority (most important thing) for governments. Air Pollution Traffic congestion is the biggest cause of UK air pollution. London has the worst air quality in the UK leading to 30,000 excess (preventable) deaths per year. Some 	 The UK's energy consumption has increased since 1965. This is due to: More electrical appliances More entertainment e.g. mobile phones Central heating The UK is not energy secure as it imports a lot of energy from other countries and all UK Coal Power stations are to be closed by 2025. Coal Vs Wind Coal advantage = Can produce power all day, every day. Coal disadvantage = Non-renewable so will run out.
Some water is stored in underground aquifers , which is an underground water store, and the rest is stored in reservoirs, lakes, and rivers .		Wind advantage = it is renewable so will not run out. Wind disadvantage = Turbines look ugly and ruin the landscape.





Subject: History KPOW: What c	an we learn from Eleanor of Aquitaine?	Year 7: Summer Term 1
Week 1: Matilda the forgotten Queen	Week 2: Who was Eleanor of Aquitaine?	Week 3: The Great Revolt
 Who was Matilda? The daughter of King Henry I and granddaughter of William the Conqueror. She was married to a German King, but he died and she was remarried to a French prince. They had three sons. What was her claim to the throne? She was the eldest child of King Henry I. When her brother William died in 1120, her father made his barons swear they would support Matilda as Queen. Why did she not become Queen? Many of the barons did not want a woman to be on the throne. When King Henry died, they supported the claim of his nephew, Stephen. Matilda brought soldiers from France, but after a lot of fighting they agreed a deal. Stephen would be King of England, but his heir would be Matilda's eldest son, Henry. 	Early Life: Eleanor was the daughter of the Duke of Aquitaine and inherited his land as a teenager. First marriage: Lots of important men wanted to marry Eleanor and her first marriage was to King Louis VII of France. They went to the Holy Land together during the Crusades but argued. They appealed to the Pope who eventually agreed the marriage could be annulled. Eleanor was able to keep control of Aquitaine, but left her daughters to be raised by King Louis. Remarriage: Just 8 weeks after the annulment, Eleanor was remarried to the 19 year old Henry, the eldest son of Matilda, who would go on to become King Henry II of England.	Cause: Early in her marriage, Eleanor spent her time raising her children and Henry controlled Aquitaine and took its taxes. He also made an agreement with other parts of France which angered Eleanor and her some of her children. Event: Henry and Eleanor's eldest son, together with his brothers Richard and Geoffrey decided to try and overthrow their father and take his throne. Eleanor supported them. This was risky as this was treason – punishable by execution! Consequence: The rebellion failed and Eleanor was captured on her way to meet her sons. Richard and John were forgiven on the condition they promised to be loyal to their father. Eleanor was imprisoned for 16 years!
Week 4: Eleanor, Richard and John	Week 5: KPOW	Week 6 & 7: Joan of Arc – Presentation Lesson
When King Henry II died, he was succeeded by King Richard I, known as Richard the Lionheart. He ordered that his mother was released from prison and gave her the power to rule on his behalf whilst he was away fighting. However, Richard's younger brother John wanted more power and rebelled against the King. Eleanor managed to make peace between her warring sons. When Richard died with no heir, John became King of England in 1199. John later faced attacks from the King of France and Eleanor was called on to defend Aquitaine. It was because of Eleanor that the only land John kept control of in France was Aquitaine.	 What can the life of Eleanor of Aquitaine tell us about who held power in the Middle Ages? As a young girl, Eleanor inherited Aquitaine but at the age of only 13 she was married off to the future King of France. When this marriage failed she was quickly married to another important European man, the future King Henry II of England, She rebelled against her husband, together with three of her sons, but when it failed she was imprisoned and they were forgiven. When he became King, her son Richard allowed her to have some power – ruling England in his absence. When he was King, her son John ordered her to defend Aquitaine. 	 Who was Joan of Arc? Joan was a young peasant girl. She went to see the King of France and persuaded him to let her lead an army! What did she do for France? Joan fought in the Hundred Years War between England and France. She believed she had been sent saints in visions who told her to fight and that it was God's will. Joan won many battles but was captured by the English in 1430 and burned at the stake in 1431. How is she remembered? Twenty five years after her death the Church said she should never had been killed; she was made a saint in 1920 after French soldiers reported miracles in WWI after praying to her.





Subject: DT - Food	KPOW: He	althy Eating	z	Year 7: Summer Term 1
Week 1 & Week 2	Week 3, Weel			Week 6 & Week 7
 Key terms in cooking: Simmering- cooking a product then reducing the heat to low, e.g. curry. Boiling- cooking a product in bubbling water, e.g. pasta. Frying- cooking something in a small amount of fat, e.g. onions. Chopping- using a knife to cut a product into small chunks, e.g. peppers. Peeling- taking the skin off a product, e.g. apple. Knife safety Bridge method- when the hand is curled and shaped like a bridge for knife to go under- rounded products, like apple, strawberries, and onion. Claw method- when a product is gripped by the fingertips in a claw shape and the fingertips are pulled back for safety before cutting- long products such as cucumber and leeks. Practical planning You will plan to make fruit kebabs that will be garnished by using the bridge and claw method. Simple method 	 knife safety, tim work and health managing pan I Simple method 1. Put pan on 2. Add bacon brown. 3. While meat serving plat 4. Add cooked bread and slice on top 5. Add sauce 6. Present and 	hot sandwich ne managemen h and safety as handles safely t heat and add a or sausage and t is cooking but te. d bacon/sausag place another o. and cut in half. d enjoy!	by showcasing skills in t, using a sequence of well as using a hob and to the side. a small amount of oil. d cook until crispy and er bread & place on ge to bottom slice of Where from? Starches- cereal, potatoes, pasta, rice Sugars- white sugar, sweets, honey	 Practical Planning You will plan to make Spaghetti Bolognese, this will showcase you using a hob as well as following a plan of making, using time management, and following health and safety rules. Half of the group will make Spaghetti Bolognese and the other half will be the sous chef (helper). Simple method Put water in a saucepan up-to the half-way mark and get onto boil. Chop up onion and crush garlic- use bridge or claw method. Fry off in a wok pan until soft. Add tomatoes, herbs, spices and leave to simmer for 10 minutes. Drain pasta and plate up pasta on the base and meat sauce on top. Food provenance and seasonality You will learn where food comes from and where in
 Wash and chop fruit into even pieces. Slide onto skewer through the centre. Melt chocolate in 30 second bursts in the microwave and drizzle over. Present on a plate. 	Fat Saturated- bad Unsaturated- good Vitamins and Minerals Protein Fibre	Keeps us warm and insulated Prevent illness Helps bodies to grow and repair Helps our	Processed meat- meatballs, burgers, fried food-chips, junk food-biscuits, cakes <i>Avocado, coconut, plant oils,</i> <i>olives, nuts</i> Any fruit, vegetable or salad item Lean meat- chicken, steak, fish, eggs, milk Brown bread, brown rice,	the world fruit and vegetables grow. Food provenance - where food is grown raised or reared. Seasonality - when food is harvested and grown at specific times of the year, e.g., strawberries in the UK in June/July.

items- cereals such as Weetabix, bran flakes



Subject: DT – Product Design	KPOW: Design & Workshop	Year 7: Summer Term 1
Week 1 & Week 2	Week 3 & Week 4	Week 5, Week 6 & Week 7
Use the Landscape strategy to create 3 designs for your wooden key ring. This strategy helps you understand how a piece of acrylic can be inlayed (stuck) between two pieces of wood. These designs are	Iterative design process is where the designer will test the success of a product throughout, rather than just at the end.	The tangram strategy helps you to create simple ideas using geometric shapes. Tangrams originated in China as a puzzle.
to be colour rendered (to look realistic), with the inlayed acrylic having a bright contrasting colour	This iterative process will help to produce a design for a wooden children's toy that is themed on transport.	Designs produced are in grids of 7cm by 15cm. 15cm = 150mm 7cm = 70mm
Tools and machinery used to create the wooden	Woods.	
keyring:	Natural wood comes from trees, synthetic wood is	Man-made boards:
Tenon saw – for cutting straight lines	man-made.	MDF (Medium density fibreboard), chipboard,
Band facer – for hard sanding	Softwoods grow faster than hardwoods, and therefore	hardboard, blockboard, plywood.
Sandpaper – for light sanding Files – for chamfering (removing) the edges of the	are less expensive. Coniferous trees – Softwood – Scots pine, parana pine,	Man-made boards are made in factories and generally
timber.	spruce, cedar.	use the leftovers, such as sawdust and wood
Pillar Drill – to drill the key ring hole	spruce, cedar.	chippings. They are less expensive than natural wood
	Deciduous trees (grows leaves that are lost in Autumn)	but can be more stable.
Workshop Health and Safety.	- Hardwood – Beech, elm, ash, mahogany, oak.	
• Goggles must be worn on all workshop machinery.		
• Long hair must be tied back on machinery.		
• Aprons must be worn during all practical lessons.	The Design Process	
	Iterative design	
	Design Brief Research Specification Design Ideas Final Idea or Model Making Final Product Testing Testing	
	Evaluation happens during every stage	



Subject: DT - Textiles

Week 1 & Week 2

Sketching - quick, initial ideas drawn in pencil.

Key Word: CULTURE - ideas, customs and social behaviour of a group/society.

Theme – British Culture

Cuisine - typical British food, fish & chips, English breakfast, cream tea.

Iconic images - (iconic =Very famous/widely recognised) e.g. Houses of Parliament, London Bus, Union Jack Flag.

Symbolism (use of symbols, in this case pictures, to represent ideas) - umbrella because that's what British businessmen carry because it rains a lot; a **crown** for the royal family; a **football** to show a love of sport.

Surface decoration techniques – how you can decorate fabric to enhance (improve) its appearance (how it looks).

Key Word: RESIST - coating/method applied to prevent dye being absorbed (soaked up) by the fabric.

Techniques:

Batik – is a resist method, the resist is the dried wax. Tool used is Tjanting (see pic below).

Tie dye – is a resist method, the resist is the elastic band tied tightly around the material (see pic below).

Stencil – Is NOT a resist method. Cut shape out of card, that becomes your stencil which is a template (see pic below). Dabbing paste on using a sponge.

Theory: Fibres - Thin strands are joined together to make a yarn. Key Word: FIBRES

Fibre: hair like structure. Yarn: lots of fibres twisted together. Woven: yarns placed over and under each other to create a fabric.

Table showing SOURCES (whe they come fron of fibres

	Natural		Man-made	
	PLANT	ANIMAL	REGENERATED	SYNTHETEC
Elex (gr) make I		Wool (from a theop)	Viscose	Acrylic
Jute (us make car		Angona (rabbit A gont)	Cellulose acetate	Nylon
(in the n family	ttle - Ca	Horsehair M-A	Rubber 1	Polyester
Cetten (f seed of c	tton .	Silk (from a coccon produced from silk worms)	Tencel (microfibre)	Lycro
Tall plants	vith a	Cashmere (goat)	Rayon	(microfiber)

Year 7: Summer Term 1 KPOW: Design & Make a Cushion Cover

Week 3 & Week 4

Sewing machine introduction – threading a machine (top thread and bottom thread [spool]).

Key Word: DISRUPT – prevent a system or process from continuing as usual (DO NOT DISRUPT OTHERS). The sewing machine & the skills to sew around to help develop control (directing the machine) and accuracy (precise and where the stitch should be). Health and Safety:



Surface decoration technique Applique

Key Word & Technique: APPLIQUE - stitching a small piece of fabric onto a larger piece to make a pattern or design.

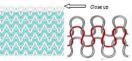
Materials & Method: Bondaweb double sided fabric glue.

- 1. Iron rough side of bondaweb to the back of the small piece of fabric.
- 2. Draw image onto tracing paper side.
- 3.

Theory: Fabric Construction methods Woven & Knitted - How yarn is made into fabric.

Key Word: CONSTRUCTION - The process of building something i.e. how it is made.

Knitted = Loops of yarn that interlock.



Properties: - the characteristics of either a fibre, yarn or fabric:





Key word: SUITABLE - right or appropriate. Successful colour shading - even use of the pencil to get clear colouring in.



Week 5, Week 6 & Week 7

Tonal shading – to add deeper colour on parts of the design by pressing harder to add a more realistic finish.

Representing batik – double line

your design so it remains white, add colour either side of it (see image above).

Final Idea – a development of the cushion design which evolves from

Annotation of Final Idea - a note of explanation or comment added to a diagram / drawing.

Key Word: CONCISE – giving a lot of information clearly in a few words Areas to explain:

1. How images link to British Culture -

Reflecting - shows what it is like / Common - Found or done often / Iconic famous or popular / Symbolises – to represent something / Monarchy – country

with a king or gueen / **Popular** - liked by many / **Recognisable** – capable of being identified / Represents - sign or symbol of something / National - of a country & its people / Famous - known and recognised by many / Historical - used to describe something from the past

2. The challenges are:

Curves / fiddly processes / difficult area of ... / complicated ... / complex process of ... / being able to ... / Symmetry of ... / ensuring the accuracy of ...

Theory: Fabric construction methods, Laminated and Bonded & Microfibres

Key words: COMPRESSED - flattened by pressure. MICRO -ancient Greek word meaning small.

Laminated Fabric (layers of fabric glued and bonded together). Bonded Fabric (fibres that are compressed [PRESSURE PRESSED] together

using heat, pressure and an adhesive [GLUE]). Microfibre – less than 1 denier thick which is equivalent to 60/100 times finer than a human hair.

Look like: shaped like a star (snowflake or flower describes them too). How they work: they trap dust and dirt in their grooves.

Made from: synthetic fibres, normally polyester or nylon.

Common products made from microfibre: sportswear, dusters,

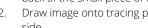
sports & dog towels and underwear.

Properties: ultra fine, Washable, high strength, comfortable, high absorption, breathable.









Steps 3,4 & 5 see image below:

Woven = Straight yarns that go



Subject: Core PE	KPOW: Muscles	Year 7: Summer Term 1
Week 1 & Week 2: Hamstring Hamstring	Week 3 & Week 4: Quadriceps Quadriceps	Week 5, 6 & 7: Gastrocnemius Gastrocnemius
	Quadriceps	
• Large muscle at the back of the upper leg.	Large muscle at the front of the upper leg.	Muscle located at the back of the lower leg.
• This muscle is responsible for flexion at the leg.	Made up of four muscles (quad).	• This muscle is responsible for plantar flexion of the ankle.
• Flexion is decreasing the angle at the knee.	• The muscle is responsible for extending the leg.	 Plantar flexion is moving the toes away from the
• There are three muscles that make up the hamstrings.	• Extension is increasing the angle at the knee.	shin in a downwards movement.
 Before kicking a football, the hamstring will flex the knee to prepare for the kick. 	• When kicking a football, shooting a netball the leg/arm extends.	• When running, the heel is pushed up off the ground is plantar flexion (red circle below).





Subject: Computing & Digital Media			KPOW: Algorithms	Year 7: Summer Term 1				
Week 1 & Week 2			Week 3 & Week 4	Week 5, Week 6 & Week 7				
Keywords: Algorithm: An algorithm is a process to solve a problem using a fixed number of steps. Sequence: A set of events, movements or items that follow each other in a particular order.			Keywords: Decision: The action or process of deciding something.	Keywords: Story flow: This is the movement of the story and whether a novel moves smoothly from start to finish. Serialised - A story or play in regular instalments, usually week by week.				
solve a problem. example, if you at cake, you would f step in the correct you don't, follow the cake might no properly. Flow charts – The the algorithm, bu	For re making a ollow each ct order. If the steps, ot be baked e flow chart s t in a graphi	the sequence of cal way. Flow charts are shown below:	Basic Flowcharts A simple flowchart will show a basic sequence using input, outputs, and processes. See fig 1 as an example. Selection Flowcharts Some flowcharts will go beyond a simple sequence and a decision will be introduced. See fig 2 as an example. Fig 2	A comic book is a magazine that presents a serialised story in the form of a comic strip. It will usually feature a recurring character like a superhero. Comic books are usually separated into panels. Panels can vary in sizes depending on what part of the story you want to show. Focal Point The place in the panel where the creator wants the reader's eye to focus.				
Symbol	Name	Shape & Function	Start This is where the	Wants the redder's eye to locas.				
\bigcirc	Terminator Start/End	A rectangle represents a start or end point.	algorithm needs to make a choice					
\longrightarrow	Connector	An arrow is a connector that shows the direction of information through the flow chart	based on an input (question) that has been asked.	Onomatopoeia A word that sounds like what it represents, such as				
	Input/output	A parallelogram represents an input or output.	Number >10? Add 10 to Number This will then result	crash or bang!				
	Process	A rectangle represents a process.	in 2 outputs (answers) to choose					
\diamond	Decision	A diamond is used to show a decision that needs to be made.	from, usually "yes or no".	circle shape pointing to a characters mouth showing their dialogue				
				in the comic.				



Subject: Music

Week 1 & Week 2: Logic Pro

Logic Pro:

Logic pro is a professional audio studio software created by Apple exclusively for use on their Mac computer systems.



Midi plug-ins:

Logic Pro has the functionality to link instruments to the system and record them in real time using a Midi plug-in. This allows musicians to play a keyboard and

record it directly into their music track on Logic Pro.



Loops:

Loops are pre-recorded musical phrases or riffs that can be used to add drumbeats, rhythm parts and



other sounds to a project. Loops contain musical patters that can be repeated and extended to fill any length of time.

KPOW: Logic Pro – Ode To Joy

Week 3 & Week 4: Orchestra and Logic Pro

Tracks:

Tracks within Logic Pro help you organise and control the sound of the recordings and other material in your



Control Panel:

The control panel in Logic Pro provides the option to fast forward and rewind your piece of music or return

	Rewind button				y butto	n ecord bu	utto
	•	••	M	•	•	ţ	
F	orwa	ard	Got	o Begi	nning		

directly to the beginning. You can also play your track and record new sections via the control panel.

Project:

A project in Logic Pro is a document that contains all your recordings, the location of the media files that you add, and all the changes you make to your piece of music

Instrument families:

There are 4 instrument families in an Orchestra. These are: strings, woodwind, brass, and percussion.

During a performance, each family would be controlled by the conductor.



Year 7: Summer Term 1

Week 5 & 6 & 7: Mixing and finalising

Metronome:

A metronome is a device that produces a regular repeated sound like a ticking clock. It is used by musicians to help them play music at a particular speed. Logic pro has a built-in metronome.



Texture:

Thick or thin. Texture relates to the layers of instruments or voices that come together to create the overall sound. A thin texture would be a solo performer playing an instrument or singing acapella. A thick texture would have multiple instruments or voices performing at the same time.

Mixing:

Mixing is the process of adjusting the volume on different tracks/instruments to ensure the overall sound is well balanced. In a studio, this is completed on a mixing desk. Logic pro has a built-in mixing desk

so that your track can be mixed digitally in the software.







Subject: Art	KPOW: Tile Relief	Year 7: Summer Term 1
Week 1 & Week 2:	Week 3 & Week 4:	Week 5, Week 6 & Week 7:
Week 1 & Week 2: Keywords and definitions Observational drawing – Biro pen. Skills used – crosshatching: a mesh like pattern that creates light and shadow. Image: State of the		Week 5, Week 6 & Week 7: Artist page development Image: the state of the st
 Proportion – How the sizes of different parts of a piece of Art relate to each other. Environmental focus The human race affects the Earth's oceans, the oceans in turn affect life on land. The oceans function as the Earth's climate system, pumping heat and moisture around the globe. Ocean currents regulate the temperature and rain on the continents, shaping the climate. Climate change has drastically affected the health and function of our oceans. 	His work is created using vibrant coloured acrylic paints. Scarpace's work focus on circular, organic shapes to create a sense of flow. The use of pattern is often featuring a series of dot work and linear elements.	 Environmental focus The ocean's role in climate change is explored by many contemporary artists who take on the topics of melting glacial ice, warming seas and ocean water pollution in their work. These artists communicate the science of these environmental issues in a visual manner. The topic of climate change and the oceans is extremely complex. Artists can convey visual information in their work, connecting scientific information with human insight in a manner that engages the viewer.





Subject: Drama	KPOW: Scripted	Year 7: Summer Term 1			
Week 1 & Week 2: Introduction to Script	Week 3 & Week 4: Playing a Character	Week 5, 6 & 7: Performing a script			
Script- A script is a document that comprises setting, characters, dialogue and stage directions for movies,	Character – The mental and moral qualities distinctive to the individual; the person in the play.	Line learning – Memorising the dialogue of a play; the			
tv shows and stage plays.	Vocal interpretation of a character	words actors say in performance.			
Theme – is an idea that recurs in a work of art or literature; the subject/topic of the text.	Performers use a range of vocal skills to create characters and express how those characters are feeling.	Stage Directions – an instruction in the			
Bullying	Vocal expression – how you deliver your message with words and how you express those words.	text of a play indicating the movement, position, or tone of an actor, or how the sound effects and lighting should be.			
Eriendships	Key skills – Projections, articulation, accent, pace, pause, pitch, tone.	Director - is having clear vocal			
	APALIZAA	expression. You articulate sounds with your lips, teeth, tongue, and use your mouth to vary those sounds.			
Meet some of the Characters	Physical skills for interpreting a character				
Terry Dumpton – Reserved, the gang's Victim, quiet, his only real friend is Sammy.	Performers use a range of physical skills to portray a character. Their physical choices can also convey the character's feelings.	The family Mrs Dumpton – Terry's mother, strong, the family's breadwinner, in her 30s.			
Sammy – Terry's friend, weak, hanger-on of the gang.	Physical expression – the organised movement; a	Mr Dumpton – Terry's father, out of work, in his 30s.			
Stubbs – Powerful, intelligent, Gang Leader, Bully, can be aggressive and manipulates other gang members.	character's mannerism, habitual movements, posture.	Lesley – Terry Younger sister, aged 8.			
Key technique:	Key skills – Facial expression, gesture, posture.	Key technique:			
Conscious Alley - Students form two lines facing each other. A character moves down the alley and each student in turn voices thoughts.	Key technique: Hot Seating – Questions are asked to someone sitting in the 'Hot -seat' who answers in character.	Freeze Frama / still image – A visual picture, like a photograph, to show characters in a scene or series of scenes.			





Subject: Lea	arning 4 Life		Yea	r 7: Sum	mer Ter	m 1	
	k 2: Key Words definitions of the following 12 words:	Week 3 & Week 4: Martin Luther King Please learn these facts about Martin Luther King:		k <mark>5, 6 & 7</mark> : 1 e learn these		Ч	
Segregation Boycott	To separate black people from white people. To avoid doing something.	Born = 1929 in Atlanta, Georgia, USA Married = To Coretta Scott Children = 4 Religion = Christian Occupation = Pastor (priest)	The o ⁻	f different pe ention to the	eaceful prot	ests desigr h black peo	ople were still
Commitment Civil Rights	Being dedicated to a cause. The rights of all people to receive equal treatment.	Committed to = fighting for equal rights for black people. Famous = 'I have a dream' speech. Awarded = The Nobel Peace Prize	Right?	Education	To sit where they liked	To sit where they liked	To vote
Racism	The belief that some people are superior to others, due to their race.	Died = Assassinated by a sniper in 1968		n angry ently	ounters white	test to In laws	elma to t black ven the
5 Pillars	5 acts that Muslims are expected to do to show devotion to their faith.	Look at the images below, this is what life was like for black people:		faced al to a rec school	at the c se from rs.	uses tc gregatic llowed.	from Se test tha being gi ote.
Fasting	To go without food or water for a period of time.	DRINKING FOUNTAIN IMPERIAL	Details	Nine black students faced an ang mob on their way to a recently desegregated school.	Black protestors sat at the counters in diners facing abuse from white customers.	Protestors rode on buses to test to see if the new desegregation laws were being followed.	Protestors marched from Selma to Montgomery to protest that black beople were still not being given the right to vote.
Ramadan	The month during which Muslims fast during the daylight hours.	WHITE COLORED WE WASH FOR WHITE COLORED WHITE PEOPLE ONLY		black st ob on th deseg	k protest liners fao	estors ro if the ne were	estors m ntgomer Ie were ri
Muhammad	The name of the person who foundered the religion of Islam.	A A AVERT OF THE OPEN		Nine	Black in d	Protesee	Prot Mor peop
Ka'bah	The cube-shaped building in the centre of the most important mosque in Makkah.	PUBLIC SWIMMING POOL WITE ONLY WITE ONLY	Title	Little Rock Nine	Sit Ins	Freedom Riders	March from Selma
Sawm	The Arabic name for fasting during Ramadan.		Date	1957 (sept)	1960 (Feb)	1961 (May)	1965 (Mar)
Hajj	Pilgrimage to Makkah (Saudi Arabia).	https://youtu.be/OmEZGbUvW2M		15 (Sé	15 (F	15 V)	15 (V



Home Learning Schedule

Day	Subject to Learn
Monday	English and Learning 4 Life
Tuesday	Maths and Computing & Digital Media
Wednesday	Science
Thursday	French, History and Geography
Friday	Design Technology, PE & Creative

Home Learning is set every **Monday** and will be submitted in **P&A Time** every **Monday**.

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