

# Knowledge Organiser Year 8 – Autumn Term 2



Name:

P&A group:

Knowledge Assessment: Wednesday 20<sup>th</sup> December 2023 – 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



Minsthorpe Community College

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 St	teinbeck explore the theme of 'Outsiders'	Year 8: Autumn Term 2
Week 1, 2 & 3: Racism and Social Injustice	Week 4 & 5: Outsiders and the American Dream	Week 6 & Week 7
<ul> <li>Motif – Dominant or recurring idea in an artistic work.</li> <li>The word motif (moh-teef) is derived from the French phrase motif meaning "pattern."</li> <li>Social Mobility – The ability to change an individual's social class or status.</li> <li>Pugnacious – Eager or quick to argue, quarrel or fight.</li> <li>Injustice – Lack of fairness</li> <li>Intertextuality – Relationship between literary texts.</li> <li>Stereotype – A widely held but fixed &amp; oversimplified image of a particular type of person or thing.</li> </ul>	Contemptuously – To be scornful, disrespectful. Indignation – Anger and annoyance at what is perceived as unfair treatment. Optimistic – Hopeful about the future or the success of something. Subjugate – To bring under control. Façade – A deceptive outward appearance. Structure refers to how a text is organised and how the parts all fit together. Steinbeck deliberately structures Of Mice and Men to show the effects of prejudice on	<ul> <li>Inevitable: A situation that is unavoidable or certain to happen.</li> <li>Relatable: Enabling a person to feel that they can relate to someone or something.</li> <li>Outdated: Out of date</li> <li>Controversial: Giving rise to controversy or disagreement.</li> <li>Cyclical structure: A structure that refers to the focus of the end of the text being related somehow to the focus of the beginning.</li> </ul>
Steinbeck uses the <b>motif</b> of <b>animal imagery</b> to reveal both Lennie's physical strength (Bear/paws) and his emotional state. (Sheep/Bleating). <b>Racism in the 1930's</b> Crooks is a victim of <b>segregation</b> and <b>racism</b> on the ranch. He is made to sleep in the harness room with the horses depicting how he is treated like an animal. This kind of treatment towards black people was not uncommon at this time despite slavery being	<ul> <li>the characters hopes and dreams.</li> <li>The motif of light is used to represent hope in Of Mice and Men.</li> <li>It could also ne used metaphorically for joy, love or good versus evil.</li> <li>Metaphor (a figure of speech that describes and object or action in a way that isn't literally true) in poetry is an effective device as it helps to create a better picture in the reader's mind.</li> </ul>	Steinbeck uses a cyclical structure to represent the natural cycles of nature and the inevitability of Lennie's death. A couple of other examples of cyclical structures Beginning At the beginning of Disney's 'Lion King', Simba, the protogonist is bern and presented to the kingdom with his mother and father on Pride rock. After a long and ardisous bertist to regin power of the kingdom from his evyl uncle. Scar, Simba and his wife return to pride rock with theirown child - balance and equilibrium is returned to the
abolished in 1865. Lynching (to kill someone for an alleged offence without a legal trial, especially by hanging) was not an illegal act until 1928. So, when Curley's wife threatens to get Crooks 'Hung up on a tree', it is a genuine threat. An example of intertextuality is Amy Saunders poem 'You're not black'. In the first stanza she uses lines from Billie Holiday's famous song inspired by Lynchings in	"The moon was a ghostly galeon tossed upon cloudy seas"       "Darkness cannot drive out darkness; only light can do that."       "Hope is the thing with feathers."         The Highwayman, by Alfred Noyes       "Martin Luther King       "Hope is the thing with feathers."         Emily Dickinson       Emily Dickinson         The American Dream: An ideal that eveny citizen of the	Beginning A the beginning of Shakespeare's 'Macbeth', the eporymous character battles with the traiter Academia play ends with battle battles between Macbethan of Joyal defender the throne from his king, the play ends with battle battles between Macbethan Joyal defender the throne from his king, the play ends with battle battles between Macbethan Joyal defender the throne from his king, the play ends with battle battles between Macbethan Joyal defender the throne from his king, the play ends with battle battles between Macbethan Joyal defender the throne from his king, the play the fact the battles between Macbethan Joyal defender the throne from his king, the play the source of the so
The Southern states of America. I sit with them at lunch Fried chicken on my plate I eat with a knife and fork "You're not black, if you don't use your hands to eat" Yet I know that hands tied up the strange fruit on the trees in the south The fruit for the crows to pluck For the rain to gather, for the wind to suck For the sun to rot, for the trees to drop.*	United States should have the opportunity to achieve success and prosperity and happiness through hard work and determination regardless of their social class or background. Steinbeck believed that The American Dream was a fallacy and demonstrates this through his characters'	Many people were not accepted because of their: <b>Race</b> - Crooks is segregated as he is black. <b>Gender</b> – Curley's Wife is exposed to the sexist attitudes of the men on the ranch. <b>Disability</b> – Lennie is exposed to the emotional poverty of the men and their attitudes towards mental

shattered dreams and loss of life.



disability.



Subject: Maths	KPOW: Equations and Inequalities	Year 8: Autumn Term 2
Week 1: Linear Graphs	Week 2: Linear Graphs	Week 3: Accuracy and Estimation
<b>Graphical inequalities</b> We can represent a region on a graph that satisfies the inequality. When the inequality is less than or greater than (< , >) but <b>equal to</b> use a <b>dotted</b> line. When the inequality is less than or greater than ( $\leq$ , $\geq$ ) and <b>not equal to</b> a <b>solid</b> line is used. For example	For the first value $x = -2$ so $y = 2 \times -2 + 1$ y = -4 + 1 y = -3 This creates the co-ordinate (-2, -3). All the co-ordinates are then plotted and joined up to create a straight line:	Keywords Approximation: A result that is not exact, but is close enough to use . Integer: A whole number. We use rounded numbers to make the numbers easier to use. For example, if there is exactly 1 978 547 people at a football match we might use 2 000 000 as an approximate number.
This region represents This region represents	Equation of a line The general equation of a line is y = mx + c. m represents the gradient of the line and c represents where the line intercepts the y-axis. Gradient is a measure of how steep the line is. For example This line has a gradient of 2 and it crosses the y-axis at (0, -1) so the equation of this	Rounding to powers of 10 683 rounded to the nearest ten is 680 because 683 is closer to 680 than 690. 680 rounded to the nearest 100 is 700 because 680 is 680 685 690 683 closer to 700 than 600.
the inequality $x \ge -2$ . the inequality $x > -2$ . <b>Table of values</b> To plot a straight-line graph, use a <b>table of values</b> to create coordinates. For example Plot the line $y = 2x + 1$ $\hline x  -2  -1  0  1  2  3$ y  -3  -1  1  3  5  7 Complete the table by <b>substituting</b> in the values of <b>x</b> to get the values for <b>y</b> .	line is $y = 2x - 1$ . This line has a gradient of -2 and crosses the y-axis at (0, -1) so the equation of this line is $y = -2x - 1$ .	600 650 700 683 Use the approximately symbol (≈) when rounding. For example, 683 ≈ 700.









Subject: Physics	KPOW:	Year 8: Autumn Term 2
Week 1: Conductors and insulators	Week 2: Introduction to circuits and current	Week 3: Measuring potential difference
Keyword definitionsConductor: A material that will allow electricity to flow through it.Insulator: A material that slows down the flow of electricity through it.Insulator: A material that slows down the flow of electricity through it.A plug is made from two main materials, the pins are made of brass which is a metal and is a good conductor of electricity. The case is made of plastic which is a good insulator of electricity. This is so that you don't get electrocuted when you touch it.	Keyword definitions Electrical circuit: A series of wires and electrical components, eg: switch, lamp, motor. Current: A measure of how quickly the electrons flow around a circuit, it is measured in amps. Ammeter: A component used to measure current. This circuit contains a battery, a switch, an ammeter and two lamps.	Keyword definitions Potential difference (pd): A difference in potential between two points on a circuit, it is measured in volts. Voltmeter: A component used to measure pd. When measuring the pd of a component like this lamp the voltmeter is always connected to either side of the component. It can be said the voltmeter is parallel to the lamp.
Week 4: Calculating resistance	Week 5: Series and parallel circuits	Week 6 and 7: Magnets and the compass
Keyword definitions         Resistance: Is a measure of how much a material slows down the flow of electrical current, it is measured in Ohms.         Variable Resistor: A component used to change the resistance of a circuit.         Image: Component of the electrons the electrons of the electrons of the electrons of the electrons (blue circles) flow through a wire the experience resistance because of all the collisions they have with the ions (blue circles).	Keyword definitions Series: A circuit where there is only one route for the electrons to flow through. Parallel: A circuit where there is more than one route for the electrons to flow through. Series Circuit Parallel Circuit	Keyword definitions         Magnetism: A force exerted by magnets when they attract and repel each other.         Magnetic field: An area around a magnet in which a magnetic force is exerted.         Like poles will repel, whilst opposite poles attract.         N       S         N





Subject: Working Scientifically	KPOW:	Year 8: Autumn Term 2
Week 1 & 2: Measurements and Evidence	Week 3: Graphs and Variables	Week 4: Models
Keyword definitions Accuracy – How close a measurement is to the true value. Precision – How close together measurements are. Reproducible – If someone else can repeat your work and get similar results. Evidence – Scientific data that supports or disproves a hypothesis or theory.	Scientists plot graphs to help us visualise patterns in data and spot anomalies (results that don't fit). The x- axis on a graph is the horizontal axis. (x is across) The y-axis on a graph is the vertical axis. The <b>independent</b> (changing) variable usually goes on the <b>x</b> axis and the <b>dependent</b> (measured) variable usually goes on the <b>y</b> axis.	Keyword definitions         Solar system – A group of stars, planets, moons, comets and asteroids.         Scale model – A copy of something that is much larger or smaller than the actual thing.         If a model has a scale of 1:24 cm, this means         that 1 cm on the model is equal to 24cm on the actual
<ol> <li>To make sure our results are as accurate as possible.</li> <li>To make sure our experiments are reproducible.</li> <li>To provide evidence to support our conclusions (findings).</li> <li>Week 5: Reaction time / Electromagnets</li> </ol>	Line graphs are used when the data is continuous (numbers). Bar graphs are used when there is categoric data (categories / words).	thing, so to find the scale model length, you would divide the actual length by 24 (the scale length). We can use models in science to represent things like cells and atoms which are very small or to represent things that are too large to study as a whole, such as the solar system. Week 7: Acids / Pendulums
Key definitions	Investigating the effect of different fruits on gelating	Investigating the strength of different types of acid
Reaction time – The length of time taken to react to a stimulus (a change or event). Electromagnet – A magnet made by passing an electric current through a coil of wire around a metal core. Investigating reaction time To investigate reaction time, a ruler is dropped by one	Variables: Independent – Change the type of fruit. Dependent – Observe if the jelly has set in a specific time. Control – Keep the amounts of gelatine, water and fruit the	Acids have low pH values (1-6) while alkalis have high pH values (8-14). Acids will lower the pH of alkalis causing them to become neutral (pH7). To investigate the strength of an acid we need to test its ability to neutralise an alkali. Independent variable – Change the type of acid.
person and caught by another. The dependent variable is the measurement where the ruler is caught. Investigating electromagnets You can change the strength of the magnet by changing the number of coils of wire and measure the strength by counting the number of	same. The science: Gelatine contains a protein called collagen which forms a mesh that traps water as it cools, setting the jelly. Fruits contain enzymes (biological substance that speeds up reactions) which break down proteins, stopping the jelly from setting. Heating the fruit first denatures (destroys) the	<ul> <li>Dependent variable – Measure the amount of acid needed to neutralise the alkali.</li> <li>Control variables – Keep the volume of alkali used the same.</li> <li>Investigating pendulums</li> <li>A pendulum is a mass hung from a fixed point which can swing freely. To investigate pendulums, you can change the mass, the length of the string and the angle</li> </ul>
paper clips the magnet can pick up.	enzymes meaning the jelly can still set.	of the swing.





Subject: French	KPOW: Les Vacances Reading	Year 8: Autumn Term 2
Week 1: Key time phrases, verbs & countries	Week 2: Key verbs and types of transport	Week 3: Key verbs/vocab & accommodation
L'année prochaine [next year]	je vais aller en vacances [I am going to go on holiday]	je vais passer [I am going to spend]
Cette année [this year]	on va aller en vacances [we are going to go on holiday]	on va passer [We are going to spend]
Cet été [this summer]		une semaine [1 week]
À l'avenir [in the future]	en avion [by plane]	deux semaines [2 weeks]
Dans le futur [in the future]	en bâteau [by boat]	là-bas [over there]
Pendant les grandes vacances [during the big holidays]	en car [by coach]	avec ma famille [with my family]
je vais aller en [I am going to go to]	en voiture [by car]	
on va aller en [we are going to go to]	en train [by train]	je vais rester dans [I am going to stay in]
Allemagne [Germany]	en ferry [by ferry]	on va rester dans [We are going to stay in]
Angleterre [England]	en vélo [by bike]	la maison de ma famille [with family]
Espagne [Spain]		un camping [a campsite]
France [France]		un hôtel bon marché [a cheap hotel]
Italie [Italy]		un hôtel de luxe [a luxury hotel]
Turquie [Turkey]		une caravane [a caravan]
Croatie [Croatia]		un appartement [a flat]
Egypte [Egypyt]		
Week 4: Key future tense verbs and adjectives	Week 5: Future/conditional tense & activities	Week 6 & 7: Future/conditional tense & activities
ce sera [it will be]	Je vais [I am going] On va [We are going]	Je vais [I am going] On va [We are going]
ce ne sera pas [it won't be]		Je voudrais / J'aimerais [I would like]
qui sera [which will be]	Je voudrais / J'aimerais [I would like]	On voudrait / On aimerait [We would like]
	On voudrait / On aimerait [We would like]	
ennuyeux [boring]		<b>jouer avec des amis</b> [to play with some friends]
barbant [boring]	acheter des souvenirs [to buy souvenirs]	manger et dormir [to eat and sleep]
amusant [fun]	aller à la piscine [to go the swimming pool]	manger de la nourriture délicieuse [to eat delicious
génial [great]	aller à la plage [to go to the beach]	food]
reposant [relaxing]	aller en boîte [to go clubbing]	me/se reposer [to rest]
moins cher [cheaper]	bronzer [to sunbathe]	sortir en ville [go out into town]
moderne [modern]	danser [to dance]	visiter la ville [to visit the town]
intéressant [interesting]	faire des courses [to go shopping]	visiter les monuments [to visit the sights]
divertissant [entertaining]	faire de la plongée [to go scuba diving]	
passionnant [exciting]	faire du sport [to do sport]	ce serait [it would be]
animé [lively]	faire du tourisme [to go sightseeing]	ce ne serait pas [it would not be]
	faire du vélo [to go biking]	qui serait [which would be]





Subject: Geography	KPOW: Global Weather			Year 8: Autumn Term 2
Week 1: Tropical Storms – Location & Formation	Week 2: Tropical Storms – Case Study			Week 3: Mitigating Tropical Storms
A tropical storm forms in an area of extremely <b>low</b> <b>pressure</b> . This extreme weather is located between the Tropic of Cancer and Capricorn. <b>Hurricanes</b> are formed in the <b>Atlantic Ocean</b> . They track from east to west in the northern hemisphere. <b>Typhoons</b> are	Hurricane Sandy hit the USA in Oc The effects of tro social (people), e	was a category tober 2012. ppical storms car conomic (mone	three hurricane which n be categorised into y) and <b>environmental</b> .	Mitigation means to reduce the effects of something such as a hurricane. Humans use the three Ps: Prediction, protection, and planning to mitigate the effects of hurricanes.
formed in the <b>Pacific Ocean</b> , whereas <b>cyclones</b> can be found in the <b>Indian ocean</b> .	Social -223 dead	Economic -\$65 billion	Environmental -Widespread	<b>Prediction:</b> Satellites are used to take pictures of hurricanes from space and predict when and where
A tropical storm is formed when the sun warms the ocean and warm air rises rapidly. The rising air, <b>cools</b> and <b>condenses</b> which forms <b>clouds</b> . Rising air is replaced by moist, cool air. Air begins to <b>spiral</b> caused by the spinning movement of the <b>Earth.</b> Violent winds spread outwards and leaves an area of calm in the centre, this is called the <b>eye of the storm</b> .	-Many homeless -Many without food and water -Schools closed	damage -Businesses damaged -Jobs lost	-Sewers backed up -Petrol and oil leaks - Trees blown down -Habitats damaged	<ul> <li>Protection: Houses can be built on stilts to protect from floods causes by storm surges.</li> <li>Planning: In the USA, there is National Hurricane</li> <li>Preparedness Week which helps people to prepare an evacuation plan.</li> <li>Wealthier countries can mitigate hurricanes effectively as they have more wealth to pay for prediction, protection, presented.</li> </ul>
Week 4 & Week 5: Skills lesson and KPOW	Week 6 - New Topic - Glaciation		on	Week 7: Glacial Processes
<ul> <li>Week 5 = KPOW</li> </ul>	What is an Ice Ag Around 110 000 some of the Briti 10 000 years ago average tempera spread. A glacier like a river that fl gravity. Glacial ice when snow, and the te snow will not me 20 to 40 years fo glacier ice.	a new Ice Age b sh Isles; this end o. An Ice Age is a <b>iture</b> of Earth wa is a large <b>mass</b> ows very slowly, there is layer up mperature falls It, and the glacie r the layers to <b>c</b>	egan which affected ded time when the as <b>low,</b> and glaciers <b>of ice</b> often shaped under the <b>force of</b> bon layer of falling below 0°C then the ers will grow. It takes <b>ompress</b> and form	Nant Ffrancon valley is in North Wales and is a landscape that has been shaped by glacial processes. The main glacial processes are freeze-thaw weathering, abrasion and plucking. These processes have combined to change the shape of the Nant Ffrancon valley from a V-shaped river valley into a U-shaped glacial trough. In the bottom of the valley flows a misfit stream.





Subject: History	KPOW: Impact of the British in India	Year 8: Autumn Term 2	
Week 1: Empire	Week 2: Westward Exploration	Week 3: impact on indigenous people	
<ul> <li>What is an empire?</li> <li>A group of countries,</li> <li>(colonies), ruled over by another country.</li> <li>Why should we study the</li> <li>British Empire?</li> <li>To help us understand the impact the British Empire has had around the world.</li> <li>Why did Britain want an empire?</li> <li>To get valuable raw materials, to take more land and to have more countries to sell goods to.</li> <li>How did Britain get its empire?</li> </ul>	<ul> <li>Renaissance = a time of discovery/exploration.</li> <li>Why go west?</li> <li>New technology made longer journeys possible.</li> <li>Columbus sailed across the Atlantic to find a new route to China. Instead, he 'discovered' the Caribbean.</li> <li>Spanish explorers found gold in South America. British explorers were less successful and stole gold from other ships, acting as pirates. Some sailors, given permission by the King, were called privateers.</li> <li>From piracy to plantations.</li> </ul>	Like the first settlers in the British Isles, the first settlers in North America arrived by crossing a land bridge from Asia. Before the British arrived: Native groups used the natural resources available in each region. Those who lived near water fished, and those further in land hunted animals such as deer. Different groups developed their own customs, such as building totem poles. The impact of European settlers:	
If Britain won a war against another country they may take over land. Explorers 'found' new places and claimed them and when British companies traded with other countries they often took over.	Over time, groups settled in the Americas and set up plantations to grow crops. At first they used indentured servants – who paid for their passage in work. Later they used enslaved Africans.	At first relationships were positive, but the British did not treat the native people with respect. Many villages were destroyed. European diseases, like measles and smallpox, also had a devastating impact.	
Week 4: India before the British	Week 5: invasion of India and KPOW	Week 6 & Week 7: Australia	
Week 4: India before the British Incredible India: Rich in natural resources, including gemstones and gold. Since ancient times, science, art and mathematics have all flourished there.	Week 5: invasion of India and KPOW Countries set up trading stations along the coast. The British ones were run by the East India Company. They traded cheap goods for spices, silk and coffee which they then sold in Britain for profit.	<ul> <li>Week 6 &amp; Week 7: Australia</li> <li>The indigenous people of Australia are the Aboriginal people. They used natural resources for everything including food and shelter. Their traditions are some of the longest surviving in human history.</li> <li>1770: James Cook arrived in Australia. He 'claimed' the land for Britain even though there were people already</li> </ul>	





Subject: DT - Food	KPOW: Cupcake practical	Year 8: Autumn Term 2	
Week 1 & Week 2	Week 3, 4 & 5	Week 6 & Week 7	
<ul> <li>Cake Theory - Cake making methods</li> <li>Rubbing in method</li> <li>Fat is rubbed into the flour using fingertips &amp; additional ingredients are added.</li> <li>Liquid added to bind together dry ingredients.</li> <li>Used to made scones, rock buns, crumble topping.</li> <li>Raising agent</li> <li>Chemical- Baking Powder or Self Raising flour.</li> <li>Mechanical - Sieving Rubbing In.</li> <li>Melting method</li> <li>Fat is melted with the sugars and syrups.</li> <li>Dry ingredients added</li> </ul>	<ul> <li>Cupcake ingredients <ul> <li>175g (6 oz)</li> <li>softened butter or</li> <li>margarine</li> </ul> </li> <li>175g (6 oz) caster</li> <li>sugar</li> <li>2 teaspoons vanilla</li> <li>extract</li> <li>3 eggs</li> <li>175g (6 oz) self-raising flour</li> <li>(if chocolate flavoured 140g SR flour 35g cocoa)</li> <li>Buttercream- (200g butter + 400g icing sugar)</li> </ul>	<ul> <li>Special diets/ timelines</li> <li>Food allergy- eating a particular food would trigger an immune reaction.</li> <li>Food intolerance- difficulty digesting a particular food.</li> <li>Coeliac disease</li> <li>A condition where your immune system attacks your own tissues when you eat gluten.</li> <li>This damages your gut (small intestine) so you are unable to take in nutrient.</li> <li>Lactose Intolerance</li> <li>A digestive disorder caused by the inability to digest lactose, the main carbohydrate in dairy products</li> </ul>	
<ul> <li>Liquids bind allingredients together.</li> <li>Used to make brownies, flapjack, gingerbread.</li> <li>Raising agent</li> <li>Chemical- Bicarbonate of soda.</li> </ul>	<ul> <li>Chocolate/ nutella/ biscoff</li> <li>Sprinkles/choc decorations</li> <li>Bun cases x12</li> <li>Simple method for making cupcakes</li> </ul>	Vegetarians- Choose not to eat meat or fish. Vegans- Chosen not to eat meat or use anything that comes from an animal.	
<ul> <li>Creaming method</li> <li>Fat and sugar are creamed together.</li> <li>Eggs are slowly added a bit at a time.</li> <li>Flour is folded in.</li> <li>Used to make Victoria sponge, cupcakes, Maderia cake.</li> <li>Raising agent</li> <li>Chemical- Baking Powder or Self Raising flour.</li> <li>Mechanical- Creaming/ sieving.</li> <li>Whisking method</li> </ul>	<ol> <li>Weigh out the butter and sugar and place in into a bowl and whizz up until light and fluffy – use a spoon or electric whisk.</li> <li>Pour in the vanilla essence and add the eggs - whizz again to make a smooth batter.</li> <li>Add the flour and/or cocoa and fold in until it is smooth. Stop once in the middle of this and scrape the sides down using a spatula. The longer mixing time enables air to get into the mixture which will make it lighter.</li> </ol>	Baby- milk is a key necessity full of vitamins and protein, first solid foods should be fruit and veg then slowly cereals, dairy and other foods introduced. Toddler- some milk still, starchy foods like potatoes, pasta, rice as well as some protein lean meat and fruit and veg-still soft in texture nothing too hard or crunchy. Teenager-growth and development is rapid during this part of life and a real mix and balance of nutrients is required with low fat diet being very important. Adult-similar to a teenager unless woman is pregnant or breast feeding where they have to consider certain foods and how they could affect the baby. Elderly- energy requirement is not as great but high protein and vitamins are essential as bone disease can affect this age group.	
<ul> <li>Eggs and sugar are whisked until mixture has doubled in volume.</li> <li>Flour is gently folded in.</li> <li>Used for swiss roll, gateaux, flan case.</li> <li>Raising agent Mechanical- Whisking, sieving.</li> </ul>	<ol> <li>Place cases into tin and pour evenly into the 12 cupcake cases, 60% full.</li> <li>Bake for about 14 minutes. Keep an eye on them. They will be perfect when they bounce back to the touch and the top still looks slightly sticky, leave to cool, decorate.</li> </ol>	Spellings Test:YEASTCREAMINGWEIGHINGSTARCHCARBOHYDRATEPROTEINPROCESSMETHODHYGIENEAPPERTISINGGELATINISATIONAPPEARANCEINSTRUCTIONSJUSTIFICATIONEVALUATION	





# Subject: DT – Product Design Week 1 & Week 2: Drawing and Rendering





#### Theory

Oblique drawings only show one side of the shape

in any real detail. **Isometric** is more realistic 3D image. Rendering - Add colour to a shape or an object to make it look 3d.



3 tone rendering – Uses three varying tones of

colour.



# **KPOW: Making**

## Week 3 & Week 4: Isometric Drawing



Isometric drawings are produced to a clear and detailed drawn version of an idea or final design. The horizontal lines are drawn at 30 degree angles. 30°

Flush - Materials all even and flat when put

Band facer - A machine which sands wood along a long belt aka a belt sander).

**Finish –** The way the manufacture of product is completed (complete to a high standard).

**Isometric paper** – graph paper with angled boxes to help draw in 3D.

#### Theory

**How paper is made –** The manufacturing process used to convert trees (source material) into paper. Sustainability - Avoidance of depletion (using them up) of natural resources.

### 6 R's

Reduce – Reduce materials used.

**Rethink** – Design to think about environment. **Recycle** – Reprocess material to make something

else.

**Reuse** – Use a product to make something else. **Refuse** – Do not buy it if you do not need it. Repair - Fix it instead of replacing.

# Year 8: Autumn Term 2

## Week 5, 6 & 7: CAD & CAM



Welding strategy - using a range of shapes to form a new shape. This can be done free hand or using templates.

Modelling is an integral part of the design process and

helps the designer to see faults before manufacturing.

#### **Key words**

Modelling - Test how the product looks before making it out of the chosen materials.

Presentation - Thinking about layout, colour, and annotation.

Fine liners - Thin nibbed pens to add detail when designing.





In industry CAD and CAM are used on large scale manufacturing. CAD in what we produce on a computer and CAM is the manufacturing process which is informed by the computer.

## **Keywords**

Techsoft 2D Design - CAD software that is used to create designs which will be cut using a laser cutter. **CAD** – Computer aided design. CAM - Computer aided manufacture.











Subject: Core PE	KPOW: Key Words	Year 8: Autumn Term 2
Week 1 & Week 2: Warm Up	Week 3 & Week 4: Playing to the rules	Week 5, 6 & 7: Sprain
<b>Definition-</b> This happens before you take part in sport. Without a warmup, a performer is more likely to become injured.	<b>Definition</b> - If players do not stick to the rules of the sport, they increase the risk of injury to others.	<b>Definition</b> - To wrench or twist the ligaments of a joint violently, which causes pain and swelling, but not dislocation.
<b>Example-</b> Before a rugby match, the team will warm up to create heat in their muscles to increase elasticity and prevent muscles from becoming strained.	their opponent in the back of the head, they could become concussed.	<b>Example-</b> A footballer may sprain their ankle when running on uneven surfaces.
<b>Prevention of injury-</b> If you do not warm up before exercise, muscles will more likely become strained due to not enough blood flow to the working muscles.	<b>Prevention of injury-</b> By playing to the rules, performers are less likely to become injured. This allows sport to become safer.	<b>Prevention of injury-</b> Ensuring that you do not overstretch when playing sport will help to prevent a sprain.
<image/> <image/>	<image/> <image/>	<image/>





Subject: Computing & Digital Media	KPOW: Hardware	Year 8: Autumn Term 2	
Week 1 & Week 2	Week 3 & Week 4	Week 5, 6 & 7:	
Keywords: Respond: To say or do something as a reaction to something that has been said or done. Malware: Harmful software created to cause damage or gain illegal access to computer systems.	Keywords: Vector Graphics: A form of computer graphics that are created using mathematical shapes and lines. Page orientation: is the way in which a rectangular page is oriented for normal viewing. The two most common are portrait and landscape.	Keywords: Computer Hardware: any components that make u	/ physical parts or ip a computer system.
Types of network:	Applications for creating & editing graphics.	Peripheral	Use
LAN – local area network (such as home/college).		Keyboard	Input device
WAN – wide area network (such as internet)	Adobe Illustrator – allows to create vector graphics	Mouse	Input device
Devices can be connected together in a network via	using a wide range of tools.	Microphone	Input device
WIRED (Ethernet Cables) or WIREless networks (WI-FI).	Adeba Dhatachan used for aditing images such as	Camera	Input device
We need other network bardware to connect them	Adobe Photoshop – used for editing images such as	Printer	Output device
together such as:	other images	Headphones	Output device
Switch: used to connect devices together	other intages.	Speakers	Output device
<b>Router</b> : used to connect different networks together	Vector Images:	Interactive screen	Input & Output device
(such as connect home (LAN) to the internet (WAN). Wireless access point (WAP): used to connect wireless devices to a network.	Coca Cola	Computer storage As well as inputting & out has to process and store	tputting data, the computer data.
Networks are vulnerable to attacks by hackers, so organisations often have set rules to reduce the threat, these include:	Made using a <b>mathematical formula</b> using shapes, lines, strokes and fills.	Secondary storage is use files and data.	d for long term storage of
<ul> <li>Backing up data regularly</li> <li>Strong passwords for everyone</li> <li>Different levels of access</li> <li>Up to date anti-malware and firewall</li> </ul>	They have <b>scalability</b> which means that increasing the image size doesn't affect the quality of the image. Logo's, illustrations and cartoons are made using vector images.	<ul> <li>Magnetic Eg: Har</li> <li>Optical eg: CD, D</li> <li>Solid state eg: Magnetic</li> </ul>	rd disk drive (HDD) VD or Blu-ray emory stick or SD card



John Lee Hooker

guitarist.

was an American blues singer, songwriter, and

Subject: Music	KPOW: Blues	Year 8: Autumn Term 2	
Week 1 & Week 2: Notes on a keyboard	Week 3 & Week 4: Developing Keyboard Skills	Week 5, Week 6 & Week 7: Theory & Fac	ts
Notes on a keyboard: The notes on a keyboard follow a pattern of two black notes then three black notes. Before every 2 black notes is the note 'C'. The notes to follow are D E E G A B and then back to C. In blues music, the B is flattened and is the black key next to B. CDEFGAB Higher Walking Bass	Chords A chord is 2 or more notes played at the same time. In Blues Music there are 3 chords: C (CEG) F (FAC) G (GBD 12 Bar Blues Chord Progression in C $\begin{bmatrix} 1 \\ C \end{bmatrix}^2 C \begin{bmatrix} 3 \\ C \end{bmatrix}^4 C \end{bmatrix}$ $\begin{bmatrix} 5 \\ F \end{bmatrix}^6 F \begin{bmatrix} 6 \\ F \end{bmatrix}^7 C \begin{bmatrix} 8 \\ C \end{bmatrix}$ $\begin{bmatrix} 9 \\ G \end{bmatrix}^{10} F \begin{bmatrix} 11 \\ C \end{bmatrix}^{12} G \end{bmatrix}$ Blues chord sequence This is the pattern of the blues chords when played alongside the walking bass.	Note Values         Music Theory is the written aspect of musical spould be held on about how long musical should be held on for.         Notes       Name         Semibreve       Whole note         Minim       Half note         Crotchet       Quarter note         Crotchet       Quarter note         Crotchet       Quarter note         Semi-quarter       Sixteenth note         Semi-quarter       Sixteenth notes         H       4 Semi-quarters	which I notes Value I beats I beats S beat S beat S beat 1 beat 1 beat
In blues music, the walking bass part is in most blues songs, often played on a double bass or bass guitar. It sounds like you are walking up and down the instrument.	C Major Scale - Treble Clef Ascending	Where does Blues come from The blues music originated on Southern plan the 19th Century. Its inventors were slaves, e and the descendants of slaves - African-Ame sharecroppers who sang as they toiled in the and vegetable fields.	ntations in ex-slaves erican e cotton

#### Octave:

A series of eight notes occupying the interval between (and including) two notes. Above you can see all the notes in the octave between Middle C and High C in the C Major Scale.

#### Instruments

The main Instruments that can be heard in a piece of blues music is saxophone from the woodwind family. It has a very smooth jazz sound to it.







Subject: Art	KPOW: China inspired Final Piece	Year 8: Autumn Term 2
Week 1 & Week 2:	Week 3 & Week 4:	Week 5 & Week 6 & Week 7:
Keywords and definitions         Pattern - a repeated decorative design.	Outcome development A mirror repeat pattern involves the use of symmetry. The design in this kind of repeat is flipped right, then flipped down and then flipped left to complete the full design.	Mirror repeat Colour application Colour blending - skills to blend different colours together such as complimentary groups of colour from colour theory. Dark to light tones blended together create 3D qualities.
Repeat - the recurrence of an action or event.		<ul> <li>Complimentary Colours – colour such as red/green, Blue/orange and yellow/purple.</li> <li>Symmetrical - made up of exactly similar parts facing each other.</li> </ul>
Space (negative space) - the empty space around and between the subject(s) of an image.		
<b>Design</b> - a plan or drawing produced to show the look and function or workings of a building, garment, painting or other object before it is made.		



Subject: Drama	KPOW: Devised Performance	Year 8: Autumn Term 2
Week 1 & Week 2	Week 3 & Week 4 & Week 5	Week 6 & Week 7
Devising theatre Continuing with the devising process. Devising – to plan or invent through careful thought	Exploration of ideas If you explore an idea or suggestion, you think about it or	Perform and reflect - KPOW KPOW – Key piece of work
Tableaux - A Motionless image that is representing a scene from a story.         Conscience allegrant to present two sides of	Thought tracking – When a character steps out of a scene to address the audience about how they are feeling.	<b>Performance –</b> An act of presenting a play, concert, or other form of entertainment.
and argument/opinion at the same time, selecting then the most compelling argument.	egro C	
		<b>Peer Feedback</b> – Enables the performer to improve their work, based on feedback of strength and weaknesses.
Storyboard: A graphic representation of how your story will unfold, scene by scene.	Choral speaking – a group of performers who speak in unison. They orally interpret, memorise, and perform a prose using the spoken, not singing voice.	
	S BUT LE	Self - Reflection – Enables you to question your performance work, in a positive way, what you do and why you do it and then deciding whether there is a better, or more efficient, way of doing it in the future.









Home Learning Schedule

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

Home Learning is set every Monday and must be submitted to Satchel: One on Friday

Remember to date each piece of work and state the week you are submitting from. Please provide a clear image of your Home Learning and offer one submission per subject.

Minsthorpe Lane, South Elmsall, West Yorkshire, WF9 2UJ T. 01977 657600 E. enquiries@minsthorpe.cc minsthorpe.cc Minsthorpe

Community College

