

Yate Academy

High Expectations, High Achievement

Year 8

Knowledge Organisers

Module 4



List of practiced techniques

- Paper cuts
- Stencilling
- Ink experiments
- Mono Print
- experimental title page
- Title and annotations
- 10 experimental backgrounds for Art journaling
- collagraphs
- Drawing basics
- Portrait drawing

Yr 8Art. Technique and skills. Module 4 Knowledge Organiser

Improvement lessons

Learners will demonstrate that they can complete a proposal that lays out what they plan to do for your final piece. To be presented in an exhibition of year 8 Art work.







KS3 Year 8 Design and Technology - Module 4 Knowledge Organiser

METALS							
Metals are hard and usually shiny,	, containing one	or more elements dug and	d refined from the ground				
Ferrous metals are any metal that contains iron and <u>Non-Ferrous</u> metals do not contain iron and will not							
will rust	will rust rust						
Alloys are metals made from a mix of 2 metals – e.g. brass is made of copper and zinc							
FERROUS METALS	NON-FI	ERROUS METALS	ALLOY METALS				
Contain Iron.	Do not Contain Iron.		A Mixture of two or more metals.				
Corrode	Non-Corrosive		Can be both				
Magnetic	Non-Magnetic		Non-Magnetic		Can be both		
Highi Melting Points	Lower Melting Points		Lower Melting Points		Can be both		
Cast Iron, Mild Steel, High Carbon Steel, Stainless Steel	Aluminiur	n, Copper, lead, tin.	Brass, Zinc, Copper				

Keyword	Description
Strength	Withstanding a constant force without breaking
Hardness	To resist scratching
Toughness	To withstand impact
Ductility	To be drawn in wire
Malleability	To be shaped without fracture
Durability	To be long lasting
Conductivity	Thermal – how easily heat can pass through a material Electrical – how easily electrical current can pass through a material
Resistance	Chemical – to resist damage from contact with chemicals Corrosion - to resist damage through oxidisation

Plastics-Acrylic

Acrylic is a *thermoplastic* – this means we can melt and reshape it with heat, unlike *thermosetting* plastic

It's cheap, multi-coloured and easy to work with.

	Used to mark a small dent in metal to allow for more accurate hole to be drilled.
- Car	Used to mark circles on metal.
	Used to create a range of different sized holes in materials.
	Used to mark out on metal by scratching onto the metal.
	Used to create simple cuts in metal.
	Used to remove sharp edges and smooth materials to improve it's quality.
	Used to measure materials and draw straight lines.

There are 2 main categories of plastics (or polymers)

- <u>Thermoplastics:</u> Can be re-melted and recycled easily, are usually easy to work with.
 <u>Eg: Acrylic</u>
- <u>Thermosetting plastics:</u> Cannot be easily melted, often have high melting points. Usually more difficult to work with, but are developed for specific properties or strengths

 \circ Eg: Polyester

Year 8 Drama Knowledge Organiser

Commedia Dell'Arte

14th **Century Italian Theatre** Very old type of theatre which can be traced back to 16th century in Italy.

Troupes of actors would travel around the country performing plays in market squares.

The plays were often comedies and topics included:

- Mistaken identities
- Servants tricking their masters
- Love triangles (e.g. girl loves boy, boy loves girl, old man loves girl, girls father wants her to marry old man etc...)

Plays contain 'STOCK' characters who the audiences would be familiar with. These characters wore masks and their movements were very physical and over the top.

Commedia was the origin of 'Slapstick' such as Charlie Chaplin, the Chuckle Brothers and Tom and Jerry cartoons. Modern versions of Commedia include Pantomime and Punch and Judy.

Key Characters Low Status

Zanni: High Energy, talks directly to the audience, boisterous, confident, loud **Arlecchino:** Trickster, Nimble, Quick, Full of energy, Master of Disguise and mimics other people.

Columbina: Wife of Arlecchino, Confident, Womanly, Boisterous, walks like she is dancing

High Status

Il Dottore: The Doctor, very Pompous, Arrogant and Stupid Pantalone: Tight Fisted, Sleazy old man, very Rich and Greedy Isabella: Beautiful and ditzy

Key Skills

Mime: The actor uses movement, gestures, facial expressions and body language to communicate meaning to the audience. Uses gestures to suggest handling objects

Comedy: A genre of theatre intended to make the audience laugh at the performance

Duologue: Two actors on stage during a scene

Masks: Often used to show Stock characters

Physicality: Over the top and exaggerated gestures and body language

Status: Rank or Social standing often relating to Power and Confidence

Characterisation

- **Body Language:** The way the actor uses posture, stance and gestures to communicate meaning.
- **Facial Expressions:** The use of expression on the actors face to communicate emotions to the audience
- **Voice:** The way the actor uses pitch, tone, volume and accent to communicate character and meaning for the audience.
- **Movement:** The use of pace, staging, space and levels

Yate Academy

Love and Relationships poetry

English Faculty

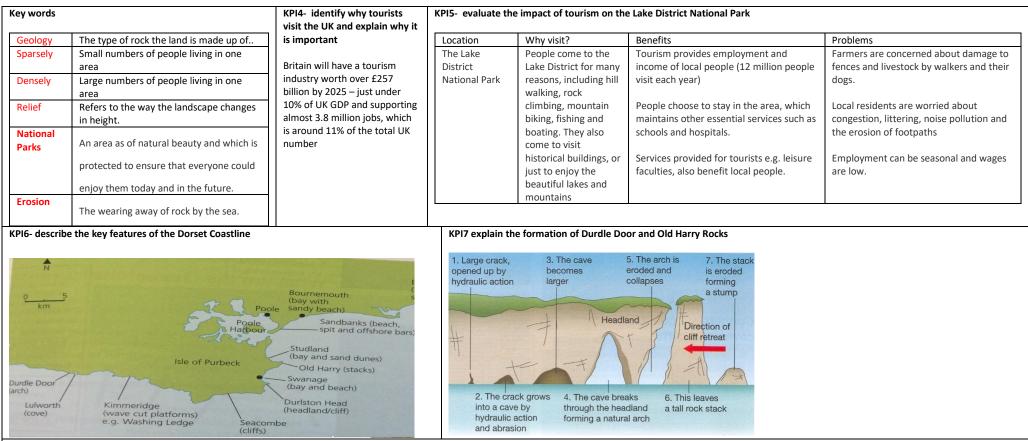
Limbo Edward Kamau Braithwaite Set on a slave ship, it describes the experiences of a slave above and below decks as they approach their destination. (Caribbean) Limbo is a term which refers to both a dance/game and the feeling of being stuck between two places. Slave ships – white slave owners captured black Africans and transported them to the Caribbean to force them to work on sugar plantations. 'Stick is the whip/ and the dark deck is slavery'	Nothing's changed Tatam Khulu Afrika A speaker walks through District 6, and he looks at two restaurants, one for white and one for blacks. He realises that racism still exists. Set in Cape Town, South Africa, a formally tolerant multi- cultural area which was segregated by the white government and turned into a whites-only area. 'District Six./ No board says it is:/ but my feet know/and my hands'	Island Man Grace Nichols A man wakes up from dreaming about his home in the Caribbean. As he wakes, the sounds of London mix with his dream. Grace Nichols, from the Caribbean writes the poem to a friend living in London, who is also Caribbean. 'Comes back to sands/of a grey metallic soar/to surge of wheels/ to dull North Circular roar'	Blessing Imtiaz Dharker Description of the explosion of a water pipe in a dry, Indian village. People rush from everywhere to collect the water. India is an extremely dry country which has very little water. This is based on a true story. 'Skin cracks like a pod/there is never enough water.' 'The blessing sings over their small bones'	2 scavengers Lawrence Ferlinghetti Two cars stop at a red light in traffic. The speaker notes the differences between the wealthy upper class architects and the working class garbage collectors. Ferlinghetti was writing in the 1960s in San Francisco – known for its openness and challenge to the status quo. He questions the reality of the American Dream. 'The older of the two with grey iron hair/ and hunched back/looking down like some/ gargoyle Quasimodo'	Key vocabulary Segregation Apartheid Identity Culture Tradition Heritage Communism Dictatorship/dictator Status quo American Dream Gargoyle Quasimodo Peasant Amiable Congregation Brash Municipal Haute cuisine Incipient	Defiant Scavenger Skeptic Rationalist Diabolic Incantation Hybrid Paraffin
Connectives	Night of the Scorpion Nissim Ezekiel	What were they like Denise Levertov	Not my Business Niyi Osundare	Presents from my Aunts Moniza Alvi	Technical Vocabulary Alliteration	Phonetic spellings
Likewise In the same way Similarly Equally As with Comparatively However On the other hand Conversely Alternatively In contrast Contrastingly The writer uses The (verb etc)implies Suggests/emphasises/means The speaker	The story of a woman who is stung by a scorpion. Her family and community do everything they can to remove the poison, including chants, potions and prayers. At the end, the mother is glad that the scorpion stung her and not the children. Set in India, this culture/religion believes in reincarnation. The people live in close communities. The poem uses lots of religious language and references beliefs. 'Parting with his poison – flash/of diabolic tail in the dark room-'	The poem is set out in a series of questions and answers where the questioner asks about what the culture of Vietnam was like before the war. Vietnam War – 1960's. American forces led an attack against communism Which resulted in the devastation of traditional Vietnamese culture. 'It was reported that their singing resembled/ the flight of moths in moonlight/ who can say? It is silent now.'	Tells the story of several families in Nigeria whose houses were raided; people were taken and tortured. The poem describes the dictatorship of Osani Abacha . The poet wants to challenge those who sit back and do nothing while people are being tortured in their own country. 'They picked Akanni up one morning/ Beat him soft like clay/and stuffed him down the belly of a waiting Jeep.'	The speaker describes traditional Pakistani gifts from her Aunts but when trying them on, she feels lost trying to fit into both English and Pakistani culture. Explores ideas of identity and belonging – reflects the lives of many Pakistani people going to live elsewhere and trying to maintain culture and tradition. 'I tried each satin-siken top-/was alien in the sitting room. / I could never be as lovely/ as those clothes-'	Assonance RH Colloquial language Dramatic monologue Enjambment First person Imagery Persona Chorus Narrative Repetition Irony Juxtaposition Language Metaphor Monologue Mood Onomatopoeia Oxymoron Personification Tone	nyme –couplet/internal/half Rhythm Sibilance Simile Stanza Rhetorical question Verse Symbolism Third person Hyperbole
Themes Modern vs tradition Family relationships Difference Conflict Identity .			Key quotes: Blessing 'Skin cracks like a pod' 'The voice of a kindly God' 'Silver crashes to the ground' 'Roar of tongues' 'Pots, brass, copper, aluminium, pla 'Liquid sun' 'Polished to perfection' 'The blessing sings over their small		1	

FRENCH YEAR 8 MODULE 4 – EN BONNE SANTÉ

MO 1 - 10: (KPI 1 Know the key vocabulary for the module)

La forme	Fitness	Les maladies	Illnesses	Les activités	Activities
Je mange beaucoup	I eat a lot of fruit/	J'ai mal	I've got	le canoë-kayak	canoeing
de fruits/légumes.	vegetables.	au dos.	backache.	le canyoning	canyoning
Je ne fais pas assez	I don't do enough	au ventre.	stomachache.	le judo	judo
d'exercice.	exercise.	au pied.	a bad foot.	le kickboxing	kickboxing
Je bois beaucoup	I drink a lot of	au bras.	a bad arm.	le ski	skiing
d'eau.	water.	à la tête.	a headache.	la musculation	weightlifting
Je vais à la gym.	I go to the gym.	à la gorge.	a sore throat.	la natation	swimming
Je fume.	I smoke.	à la main.	a bad hand.	la salsa	salsa dancing
souvent	often	à la jambe.	a bad leg.	la voile	sailing
ne jamais	never	à l'oreille	earache.	l'aérobic	aerobics
ne plus	no more, no longer	aux dents.	toothache.	l'équitation	horse-riding
bon pour la santé	good for your	J'ai mal au cœur.	I feel sick.	l'escalade	rock-climbing
bon pour la sante	health			rescalade	тоск-ситринд
mauvais pour la		Les conseils	Advice	Les symptômes	Symptoms
mauvais pour la	bad for your health	Mangez moins gras!	Eat less fatty food!	Les symptômes J'ai	Symptoms
santé	bad for your health	Mangez moins gras! Mangez moins de		J'ai	Symptoms I'm hot.
-		Mangez moins gras! Mangez moins de sucreries!	Eat less fatty food! Eat less sweet food!	J'ai	
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup	Eat less fatty food! Eat less sweet food! Drink a lot of	J'ai chaud.	I'm hot. I'm cold.
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau!	Eat less fatty food! Eat less sweet food! Drink a lot of water!	J'ai chaud. froid.	I'm hot. I'm cold. I'm thirsty.
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau! Dormez huit heures	Eat less fatty food! Eat less sweet food! Drink a lot of water! Sleep eight hours a	J'ai chaud. froid. soif.	I'm hot. I'm cold.
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau! Dormez huit heures par nuit!	Eat less fatty food! Eat less sweet food! Drink a lot of water! Sleep eight hours a night!	J'ai chaud. froid. soif. faim.	I'm hot. I'm cold. I'm thirsty. I'm hungry.
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau! Dormez huit heures par nuit! Évitez le stress!	Eat less fatty food! Eat less sweet food! Drink a lot of water! Sleep eight hours a night! Avoid stress!	J'ai chaud. froid. soif. faim. de la fièvre.	I'm hot. I'm cold. I'm thirsty. I'm hungry. I've got a
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau! Dormez huit heures par nuit! Évitez le stress! Faites de l'exercice!	Eat less fatty food! Eat less sweet food! Drink a lot of water! Sleep eight hours a night! Avoid stress! Do some exercise!	J'ai chaud. froid. soif. faim. de la fièvre. la grippe.	I'm hot. I'm cold. I'm thirsty. I'm hungry. I've got a temperature.
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau! Dormez huit heures par nuit! Évitez le stress!	Eat less fatty food! Eat less sweet food! Drink a lot of water! Sleep eight hours a night! Avoid stress!	J'ai chaud. froid. soif. faim. de la fièvre. la grippe. Je suis	I'm hot. I'm cold. I'm thirsty. I'm hungry. I've got a temperature. I've got flu.
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau! Dormez huit heures par nuit! Évitez le stress! Faites de l'exercice!	Eat less fatty food! Eat less sweet food! Drink a lot of water! Sleep eight hours a night! Avoid stress! Do some exercise!	J'ai chaud. froid. soif. faim. de la fièvre. la grippe. Je suis fatigué(e).	I'm hot. I'm cold. I'm thirsty. I'm hungry. I've got a temperature. I've got flu. I'm tired.
santé	bad for your health	Mangez moins gras! Mangez moins de sucreries! Buvez beaucoup d'eau! Dormez huit heures par nuit! Évitez le stress! Faites de l'exercice!	Eat less fatty food! Eat less sweet food! Drink a lot of water! Sleep eight hours a night! Avoid stress! Do some exercise!	J'ai chaud. froid. soif. faim. de la fièvre. la grippe. Je suis	I'm hot. I'm cold. I'm thirsty. I'm hungry. I've got a temperature. I've got flu.

Year 8- UK Geography



Location	Why visit?	Benefits	Problems
National Marks	People come to the Lake District for many reasons, including hill walking, rock	Tourism provides employment and income of local people (12 million people visit each year)	Farmers are concerned about damage to fences and livestock by walkers and their dogs.
i i i i i i i i i i i i i i i i i i i	climbing, mountain biking, fishing and		
	boating. They also come to visit historical	People choose to stay in the area, which maintains other essential services such as	Local residents are worried about congestion, littering, noise pollution and
	buildings, or just to enjoy the beautiful	schools and hospitals.	the erosion of footpaths
	lakes and mountains		
		Services provided for tourists e.g. leisure faculties, also benefit local people.	Employment can be seasonal and wages are low.
Dorset	UNESCO World heritage site.	Tourism provides employment and income of local people	Employment can be seasonal and wages are low.
Coastline	Explore the coastline and the unique		
Lulworth Cove	landforms found in the area.	People choose to stay in the area, which maintains other essential services such as	Tourist cause footpath erosion which can reduce biodiversity and cause
to Old Harry		schools and hospitals.	cliff instability.
Rocks			
		Services provided for tourists e.g. leisure faculties, also benefit local people.	During peak season, traffic congestion, littering and noise pollution affects local residents.

Y8 HI	STORY : The Long History of Anti-Semitism in Europe	KPI 1 Medieval Anti-Semitism		KPI 2 19 th Century Anti-Semitism	KPI 3 Impact of World War I	
1066	, , , , , , , , , ,	Jewish Life in the Middle Ages: Money Lenders William I brought 200 Jews to Er to act as moneylenders because the bible said t a sin. William protected the Jews in England. Ir	hat usury was	Jewish Life in the 19 th Century Assimilation In Western Europe, Jews were assimilated and many grew rich. For example,	Jewish Life after World War I Soldiers 100,000 Jews fought for Germany during World War I, although rumours spread suggesting they were	
1182	······································	Jews were expelled from France, many came to England.		Benjamin Disraeli converted to Christianity and became British prime minister in 1874.	not fighting hard enough.	
1255	Jews accused of crucifying Hugh of Lincoln	Pogroms Jews were often the victims of violent		Segregation In Eastern Europe, Jews were segregated		
1348	Jews blamed for the Black Death	1255, Jews were accused of crucifying a boy named Hugh fro Lincoln. 90 Jews were arrested and 18 executed.		from society. Most lived in Jewish villages called shtetIs and spoke their own language called Yiddish.	Germany was ruled by the Weimar Republic. During this period, Jews were	
	19 th Century	Reasons for Anti-Semitism:		Reasons for Anti-Semitism:	very successful. 5 German Jews won Nobel prizes, including Albert Einstein.	
1874	Benjamin Disraeli becomes prime minister	Religion The Catholic Church blamed Jews for t Jesus Christ. During the Middle Ages, Christians a		Scapegoats In 1881, Tsar Alexander II of Russia was assassinated. The government blamed the Jews and	Reasons for Anti-Semitism:	
1881	200 pogroms after assassination of Tsar Alexander II	the 'Blood Libel': the belief that Jews used t Christian children as part of their religious rituals	he blood of	over 200 pogroms took place. In France in 1894, a Jewish soldier - Captain Alfred Dreyfus - was accused	Scapegoats Rumours spread that Jews had made the Weimar Republic	
1894	The Dreyfus Affair	Luther began the Protestant Reformation in 1517	, he welcomed	of passing secrets to the Germans. Angry crowds	surrender at the end of the war. This	
1900	Protocols of the Elders of Zion published	Jews as long as they converted to Christianity. When Jews didn't convert, Luther ordered their homes to be burnt dow Scapegoats Medical knowledge was poor and people looked f		shouted 'Death to the Jews'. This was known as the Drevfus Affair.	was called the 'stab in the back' myth.	
	Impact of World War I			Lies In 1900 Russian secret police released a fake	Communism In 1917 there was a revolution in Russia which made Russia a	
1917	Russian Revolution	scapegoats for problems. Many people believed to Death, a disease that killed 50% of the population	that the Black	document called <i>The Protocols of the Elders of Zion</i> . This fake document was supposed to be proof that	communist country. In 1919, there was a communist uprising in Germany called	
1918	WW1 ends; start of Weimar Republic in Germany	1348, was caused by Jews poisoning we		Jewish leaders were trying to take over the world.	the Spartacist Uprising. Rosa	
1919 A	nti-Semitism Aryan The Nazi master race	Segregation Because Jews were usually segrega rest of the population, people did not know muci It was easy for rumours like the 'blood libel'	h about them.	Pseudoscience In the late 19 th Century, people came to believe that Jews were a separate race. They used pseudoscientific theories to show that Jews were biologically inferior to non-Jews.	Luxemburg, the leader of the Spartacist Uprising, was Jewish and this led to Germans blaming Jews for communism.	
	Assimilation Boycott Becoming similar to everyone else To stop using a service/shop	KPI 4 Nazi Anti-Semitism				
	Blood libelIdea that Jews killed Christian childrenCommunistBelief in equality + government controlCitizenshipBelonging to a country	When Adolf Hitler was elected in 1933, he wanted to create a pure country based on the	1933: One Day Boycott	One month after he was elected, Hitler encourage However, this only lasted for one day as Germans		
	Crucifying Nailing to a cross Expelled Sent out Holocaust Mass murder of Jews after 1942	Aryan race. Nazis viewed Jews and other minorities as untermenschen. The Nazi Minister for Propaganda Josef Goebbels used	1935: Nuremburg Lav	The Nuremburg Laws removed the rights of Jews a Jews were banned from voting or marrying a non-		
٨	Inferior Worse then Noneylenders People who give out loans for interest Nobel prize Prize for ground-breaking science	a scapegoat for the complicated problems that		Thousands of foreign spectators visited Germany for the Olympics. The Nazis wanted to gi a good impression so they paused their persecution of the Jews.		
	Persecution Attacking / targeting Pogroms Violent attacks on Jews Propaganda Posters etc designed to persuade	Germany faced, including: • The threat of communism • Economic problems • The loss of World War I	1938: Kristallnacht	On 9 November 1938, Nazis attacked Jewish shops smashed that this became known as 'Kristallnach were killed and 20,000 sent to concentration cam	t' or 'Night of Broken Glass'. 100 Jews	
	seudoscience Science that is actually false Scapegoat Someone to blame Segregation Separation Shtetls Jewish villages termenschen Not human, inferior	Their enemies in World War II Although at first Hitler did not plan to murder the Jews, his idea led to the Holocaust.	1941: Operatic Barbarossa	There were less than a million Jews in Germany. H codenamed Operation Barbarossa. This brought t under Hitler's control. A special army unit, called shooting Jews in the land that the Nazis took over	he 7 million Jews living in Eastern Europe Einsatzgruppen, was responsible for	
Wei	Usury mar Republic Yiddish Jewish langauge		1942: Wansee Conference	In 1942 Nazi leaders met to discuss a 'final solutio to set up death camps where gas chambers could were killed including over 1 million at one cam: A	be used to kill Jews quickly. 6 million Jews	

Key Terms			KPI1- describe and explain Christian teachings on preju	dice and discrimi	ination			
Prejudice	Believing some people are infe	rior or superior						
	without evening knowing them	n (pre-judging)	Do not ill-treat foreigners who are living on your land	Don't treat peo	ople badly if the	ey come from a differen		
Discrimination	The treatment or people less fa	avourably		country than you				
	because of their		For you are all one in Christ Jesus	Everyone is equ	of gender, race or age			
	gender/ethnicity/sexuality/age		Do to others as you would have them do to you		Treat others as you would like to be treated e.g. be			
Racism	Prejudice or discrimination, dir	•		kind and respe	ectful			
	someone of a different race ba							
	belief that one's own race is su		The Story of the Good Samaritan					
Parable	A simple story used to illustrate							
	spiritual lesson, as told by Jesu	s in the	The story of the Good Samaritan, as told by Jesus in one	• •				
	Gospels		beaten up and robbed, and left for dead along the road.		•	-		
0			lawyer also comes by but he too avoids the injured. Finally, a Samaritan comes by, and he helps th			he helps the injured mai		
Civil Rights	Struggle by African Americans		in an act of mercy and compassion.					
Movement	1950s to late 1960s to achieve	CIVII Rights						
equal to those of whites https://www.bbc.co.uk/education/clips/z			nttps://www.bbc.co.uk/education/clips/2cyr8/n	<u>h</u>				
1artin Luther King		nanged history th	rough his non-violent approach to tackling race issues in paigns improved the lives of Black citizens of America and	Eviden	1	K's dreams came true <u>Evidence against</u> 1. Police in USA		
Aartin Luther King Merica. He was a	g, Jr. an American Baptist minister ch	nanged history th <mark>ment</mark> and his carr	npaigns improved the lives of Black citizens of America and	Eviden 1. It is illeg USA to	nce for gal in the	Evidence against		
Martin Luther King America. He was a	g, Jr. an American Baptist minister ch key player in the <mark>Civil Rights Move</mark> r	nanged history th <mark>ment</mark> and his carr	npaigns improved the lives of Black citizens of America and e today.	Eviden 1. It is illeg USA to discrimi against	nce for gal in the inate someone	Evidence against 1. Police in USA have been accuse of treating black		
Martin Luther King America. He was a he world. His fam J <u>esus</u>	g, Jr. an American Baptist minister ch key player in the Civil Rights Mover ous "I have a dream" speech still co	nanged history th ment and his cam ntinues to inspire Martin Luther	npaigns improved the lives of Black citizens of America and e today. <u>King</u>	Eviden 1. It is illeg USA to discrimi against because	nce for gal in the inate	Evidence against 1. Police in USA have been accuse of treating black people as		
Aartin Luther King America. He was a he world. His fam Jesus	g, Jr. an American Baptist minister ch key player in the <mark>Civil Rights Move</mark> r	nanged history th ment and his cam ntinues to inspire	npaigns improved the lives of Black citizens of America and e today. <u>King</u>	Eviden 1. It is illeg USA to discrimi against because race	nce for gal in the inate someone e of their	Evidence against 1. Police in USA have been accuse of treating black people as inferior		
Martin Luther King America. He was a he world. His fam Jesus Fought against in	g, Jr. an American Baptist minister ch key player in the Civil Rights Mover ous "I have a dream" speech still co	nanged history th ment and his cam ntinues to inspire Martin Luther Fought against	npaigns improved the lives of Black citizens of America and e today. <u>King</u>	Eviden 1. It is illeg USA to discrimi against because race 2. There a	nce for gal in the inate someone e of their re many	Evidence against 1. Police in USA have been accuse of treating black people as inferior 2. There are still		
Aartin Luther King Merica. He was a he world. His fam Jesus Fought against in	g, Jr. an American Baptist minister ch key player in the Civil Rights Move ous "I have a dream" speech still co justice through his teachings	nanged history th ment and his cam ntinues to inspire Martin Luther Fought against	hpaigns improved the lives of Black citizens of America and e today. King	Eviden1.It is illegUSA todiscriminagainstbecauserace2.There andexample	nce for gal in the inate someone e of their re many es of people	Evidence against1.Police in USA have been accuse of treating black people as inferior2.There are still many reports		
Martin Luther King America. He was a he world. His fam Jesus Fought against in Lived in a war tor being oppressed	g, Jr. an American Baptist minister ch key player in the Civil Rights Move ous "I have a dream" speech still co justice through his teachings rn country where his people were	nanged history th ment and his cam ntinues to inspire Martin Luther Fought against Lived in a coun	Impaigns improved the lives of Black citizens of America and e today. King Impaigns	Eviden1.It is illegUSA todiscriminagainstbecauserace2.There andexample	nce for gal in the inate someone e of their re many es of people rent races	Evidence against 1. Police in USA have been accuse of treating black people as inferior 2. There are still		
Martin Luther King America. He was a he world. His fam Jesus Fought against in Lived in a war too being oppressed Received threats	g, Jr. an American Baptist minister ch key player in the Civil Rights Move ous "I have a dream" speech still co justice through his teachings on country where his people were by the authorities	nanged history th ment and his cam ntinues to inspire Martin Luther Fought against Lived in a coun	Ampaigns improved the lives of Black citizens of America and e today. King : racism attry where blacks and whites were segregated (separated) atts from racists, police officers and local government	Eviden 1. It is illeg USA to discrimi against because race 2. There a example of differ	nce for gal in the inate someone e of their re many es of people rent races ogether	Evidence against 1. Police in USA have been accuse of treating black people as inferior 2. There are still many reports of racial		
Martin Luther King America. He was a he world. His fam Jesus Fought against in Lived in a war tor being oppressed Received threats Had hundreds of	g, Jr. an American Baptist minister ch key player in the Civil Rights Move ous "I have a dream" speech still co justice through his teachings rn country where his people were by the authorities followers	hanged history th ment and his cam ntinues to inspire Martin Luther Fought against Lived in a coun Received threa Had thousands	Ampaigns improved the lives of Black citizens of America and e today. King E racism httry where blacks and whites were segregated (separated) ats from racists, police officers and local government s of followers	Eviden 1. It is illeg USA to discrimi against because race 2. There a example of differ living to peaceful	nce for gal in the inate someone e of their re many es of people rent races ogether	Evidence against 1. Police in USA have been accuse of treating black people as inferior 2. There are still many reports of racial incidents		
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Important Ideas

Averages: Are used to summarise a set of data by identifying a central or typical

value. There are three different averages we use – the mean, mode and median.

<u>Spread</u>: Is used to represent how far apart the smaller and larger values in a set of

data are from each other. The range is a measure of spread.

Frequency: The number of times something occurs. In data it refers to the number of pieces of data in the set.

Probability: The measure of chance that an event will occur. Probability is given as a fraction or decimal in the range 0 to 1 or a percentage in the range 0 to 100%.

Probabilities can be shown on a **probability scale.**

Randomness: When something happens with no pattern and can't be predicted.

Key Words

Mean: Is a calculated central value. To find it we add together all the values and divide by the number of values.

Mode: Is the most typical or most commonly occurring value in a set of data.

Median: The central or half-way value when the data is put into size order.

Quartile: In a set of data in size order the Lower quartile is half way between the

smallest value and the median and the Upper Quartile is halfway between the

median and the highest value.

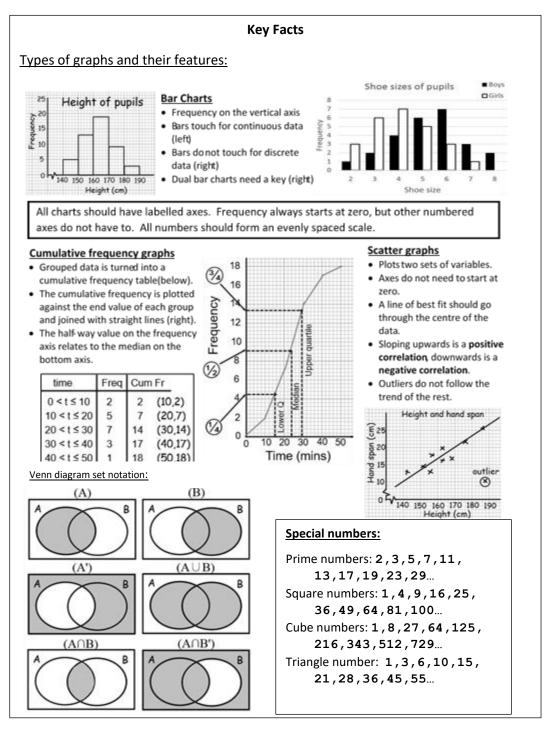
<u>Range</u>: The difference between the lowest and highest value.

Fair: An experiment is fair when every outcome has an equal probability.

Biased: when all outcomes do not have an equal probability.

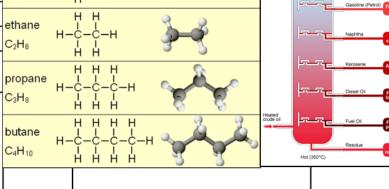
Sample space: The set of all possible outcomes from an experiment or event.

Set: A well-defined collection of distinct objects. For example, the set of numbers between 0 and 4 are 1, 2 and 3.



SCI: Year 8 Mod	ule 4: Electrolysis, Equilibri	um, Chemical Analysis & Radioactivity						KP1:5	5: Isotopes 8	Radiation	
KPI: 1: Electr	rolysis and Extracting	Metals							Structure	Charge	Distance in air
	Breaking down (decompo substances using electric	osing) ionic substances into simpler ity			+			Alpha	2 protons + 2 neutrons	2+	Few cm
Electrolyte L	iquid in which electrolys	is occurs; dissolved in water or melted	c					Beta	Electrons	-ve	Up to 2m
Electrode N	Metal rods attached to a	circuit	Cathode	-		A	node	Gamma	a wave	No charge	Several 100m
Cathode N	Negative electrode		Cation	9					bes: Naturally of neutrons		have different
Anode F	Positive electrode				8	,	Anion	Ions:	either gained	or lost elec	trons; charged
Oxidation L	oss of electrons								icleus of an liation (deca		tope gives out
Reduction G	Gain of electrons							If the r	adiation hits		atoms, they
Ion C	Charged atom/molecule								on exists in s	pace, rocks,	organisms,
	Jsed to remove metals fr eaction than carbon	rom compounds if metals are more			ctrolyte ition			Half lif	is is called ba fe of isotopes f the radioact	shows how	/ long it takes
(shown by); re	hs are reversible eactions occur in both the same time and $2 \rightleftharpoons 2NH_3$	Chlorine bleaches damp litmus paper white Oxygen relights a glowing splint Carbon dioxide turns limewater cloudy Hydrogen "squeaky pop" with a lit splint Ammonia makes damp red litmu	Cu GREEN S paper tr	Na SRIGHT YELLOW	Ba Apple green		Ca DRICK RED	power. Beta; for test pipes Gamm used for	ing paper thi	ke alarms onising & pe ckness & fo ng but highl	netrating; use r cracks in y penetrating
KPI: 3: Polyn	ners			metha	ne H H-C-			2		Cool (25°C) Refinery ga	ses Pottlad Small m
Hydrocarbons	Molecules of only Ca	rbon (C) & Hydrogen (H)		CH ₄	H-C- 	-H	4				gas - low boil gas - very vol - flows es - ignites e
Polymers	Long chain molecule	s, made of small monomers		ethane	H H	H	્યુ	2		Gasoline (P	Fuel for cars
Alkanes	Polymers made of C	& H, single bonds only		C ₂ H ₆	H-Ć-	-Ċ—H	_ ?	~~		Naphtha	Making chemicals
Fractional distillation	Method of separating	g different hydrocarbons based on boilin	g points	propar	H H H-C-	<u>н</u> н -с_с_н	~	Å	~		Aircraft fuel
increases. All alkanes rea		pint increases. Viscosity increases. D oduce carbon dioxide and water	ensity	C ₃ H ₈ butane C ₄ H ₁₀	H H H-C-	ннн ннн -С-С-С- ц	у -н ~		Å,	Fuel Oil Residue	Fuel for cars, formes, buses Fuel for ships, power stations - high bolin Bitumen for - not very v odes not - ont very - does not - ont very

All alkanes react with oxygen to produce $carbon\ dioxide$ and water Have general formula of $\ C_n H_{(2n+2)}$



SPANISH YEAR 8 MODULE FOUR : MIS VACACIONES

MO 1 – 13 : (KPI 1 Know the key vocabulary for the module)

¿Adónde fuiste?	Where did you go (to)?
el año pasado	last yéar
Fuia	I went to
Alemania	Germany
Argentina	Argentina
Cuba	Cuba
Escocia	Scotland
España	Spain
Francia	France
Gales	Wales
Grecia	Greece
India	India
Inglaterra	England
Irlanda	Ireland
Italia	Italy
México	Mexico
Pakistán	Pakistan
Portugal	Portugal
República	Dominican Republic
Dominicana	
¿Cómo fue?	What was it like?
Fue	It was
estupendo	fantastic
genial	brilliant
guay	great, cool
aburrido	boring
horrible	awful
un desastre	a disaster
¿Con quién fuiste?	Who did you go with?
Fui	I went
con mi familia	with my family
con mis padres	with my parents
con mis amigos	with my friends

¡Buen viaje!	Have a good trip!	¿Qué hiciste?	What did you do?
¿Adónde fuiste de	Where did you go (to)	Bailé.	I danced.
vacaciones?	on holiday?	Descansé.	l had a rest/break.
Fui a Madrid.	I went to Madrid.	Escuché música.	I listened to music.
¿Cómo fuiste?	How did you go?	Fui de excursión.	I went on an outing.
Fui	I went	Jugué al voleibol en la playa.	l played volleyball on the beach.
a pie	on foot	Mandé mensajes.	l sent messages.
en autocar	by bus	Monté en bicicleta.	l rode my bike.
en avión	by plane	Saqué fotos.	I took photos.
en barco	by boat	Tomé el sol.	I sunbathed.
en bicicleta	by bike	Visité monumentos.	I visited monuments.
en coche	by car		r violica monamento.
en monopatín	by skateboard	¿Qué tal lo pasaste?	What sort of time did
en tren	by train		you have?
		¡Lo pasé bomba!	I had a fantastic time!
El invierno pasado	Last winter	¡Lo pasé fenomenal!	I had a wonderful time!
El verano pasado	Last summer	¡Lo pasé guay!	I had a great time!
·		¡Lo pasé bien!	I had a good time!
Mis vacaciones	My holidays	¡Lo pasé mal!	I had a bad time!
Generalmente	Usually		When?
Normalmente	Normally	¿Cuándo?	
me quedo en casa	l stay at home	El año pasado	-
salgo con mis	l go out at night with	El invierno pasado	
amigos por la	friends	El verano pasado	Last summer
noche		¿Cuánto tiempo	How much time did you
vamos a la cafetería	we go to the café	pasaste allí?	spend there?
voy a España	l go to Spain	Pasé	I spent
		diez días	ten days
Pero el año pasado …	-	una semana	a week
fui a Cuba	I went to Cuba	dos semanas	two weeks
fuimos en avión	we went by plane	un mes	a month
fuimos a un	we went to an Italian	Palabras muy útiles	Very useful words
restaurante	restaurant	a	to
italiano		con	with
hice excursiones	I went on very	en	in, by
muy interesantes	interesting	¿cómo?	how?, what like?
	outings	¿adónde?	(to) where?
jugué al fútbol	l played football	¿quién?	who?, whom?
pinté	I painted	¿qué?	what?

Notes		
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