Home Learning Booklet



Knowledge Goals Year 9 Half Term 5

How to self-test

Mind mapping

- Mind mapping is simply a diagram to visually represent or outline information.
- Use information gathered from your knowledge goals booklet to create mind maps, make sure to use colour and images, keep writing to the bare minimum.

How to mind map:



Information for parents on knowledge retrieval



Flash cards

Use your knowledge goals booklet to make flash cards. Write the questions on one side and on the other record the answer. Test yourself or work with a friend to make sure you know all the key information for each topic.

How to mind map:



How should students use the Knowledge Goals booklets?

Your Knowledge Goals booklet provide the essential knowledge that you need to learn in each subject this half term. You are **expected to spend 30 minutes per subject per week 'learning' the content**. You will be assessed during lessons using 'low stake' quizzing. **Your teacher may choose to set you additional homework.**

How can parents support?

- Read through the organiser with your child if you don't understand the content then ask them to explain it to you 'teaching' you helps them to reinforce their learning.
- Test them regularly on the spellings of key words until they are perfect. Get them to make a glossary (list) of key words with definitions or a list of formulae.
- Read sections out to them, missing out key words or phrases that they must fill in. Miss out more and more until they are word perfect.

Subjects

Suggested Homework Schedule (1 hour of independent study per night if you have not been set homework by your class teacher). To help you get organized, we have planned out your weekly home learning to cover all subjects. You may choose to create your own version:

Week A

Day	Subject 1 (20mins)	Subject 2 (20mins)	Subject 3 (20mins)
Monday	Art	English Language	Physics
Tuesday	Biology	Technology	Maths
Wednesday	Chemistry	Spanish	Music
Thursday	Computer Science	Geography	RS
Friday	Design Technology	History	PE

Week B

Day	Subject 1 (20mins)	Subject 2 (20mins)	Subject 3 (20mins)
Monday	Drama	Personal Development	Teir 2 Vocab
Tuesday	Maths	English	Physics
Wednesday	Chemistry	English	Music
Thursday	Teir 2 Vocab	Maths	Biology
Entra			

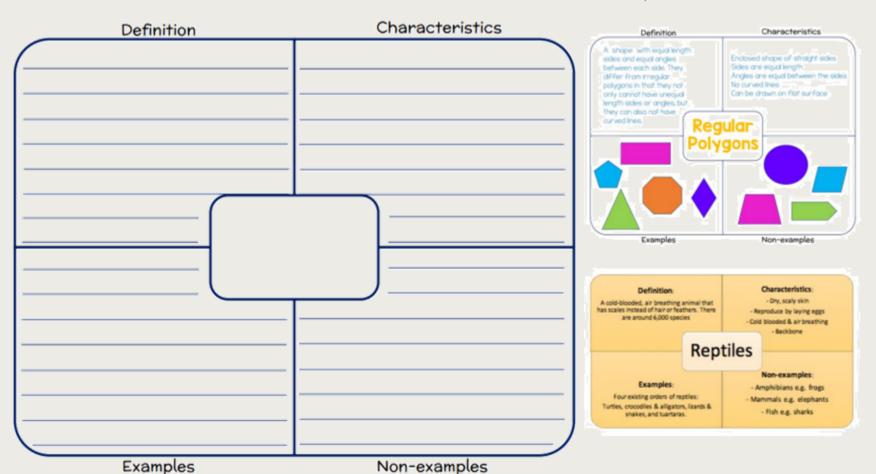
Literacy Tier 2 Vocabulary

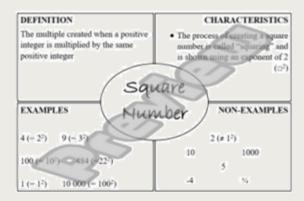
These words are all 'tier 2' words; in other words, they are seen as 'academic vocabulary' and if you know them, can understand them and use them, you will do better in your exams and be able to communicate more precisely and effectively in life.

#	Key word	Definition
1	appropriate	
2	amend	
3	assume	
4	commission	
5	discriminate	
6	deduce	
7	emphasis	
8	facilitate	
9	occupy	
10	policy	

Literacy Tier 2 Frayer Model

examples







Have a go at creating a Frayer Model for each of the 6 tier 2 words from this term (blank templates are at the back of the booklet for you to complete this activity).

Art year 9

traditional color theory, cannot be

formed by mixing any other color.

The The The **Primary Colors** Secondary Colors Tertiary Colors Primary colors, according to Secondary colors are the combination Tertiary colors combinations of

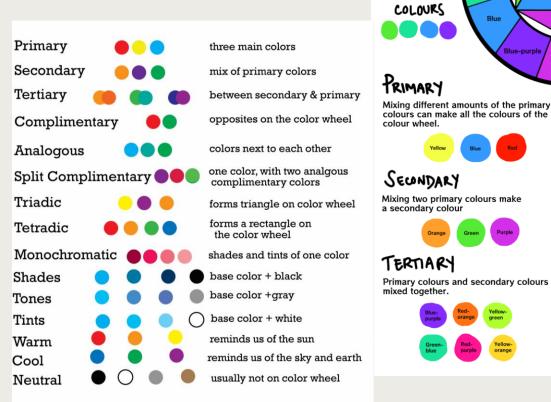
of 2 primary colors.

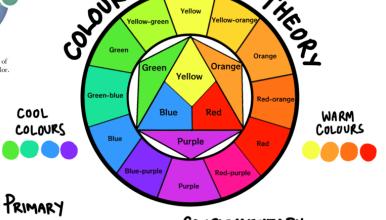
1 primary and 1 secondary color.



Definition

Kev words





COMPLEMENTARY Mixing different amounts of the primary colours can make all the colours of the

Colours opposite from each other on the colour wheel.







ANALOGOUS Colours that are neighbours on

the wheel.







MONOCHROMATIC

A colour with its tints and shades. Tints are colours mixed with white. Shades are colours mixed with black.



ney words	Beilinden
Composition	The arrangement of elements within an art work
Value	Determines the lightness or darkness of a colour
Tone	(similar to value) describes how light or dark something is
Arrangement	A set up of components
Observational	An active acquisition of information from a primary source) eg drawing or painting from life)
Experiment	To investigate, try something out. (ideas, process or materials)
Refine	Make changes to improve
Shading	Application of tonal value to a drawing(usually using pencil)
Texture	The feel, appearance or consistency of a surface or substance
Blending	The action of mixing or combining things together eg blending one tone into another

Formal elements of Art

The Visual Elements of line, shape, tone, colour, pattern, texture and form are the building blocks of composition in art. When we analyse any drawing, painting, sculpture or design, we examine these different parts to see how they combine to create the overall effect of the artwork **Line**

Line is the beginning of all drawing. Line in an artwork can be used in many different ways. It can be used to create shape, pattern, form, structure, growth, depth, distance, rhythm, movement and a range of emotions.

Shape

Shape can be shown in a number of ways. Sometimes we can recognise the shapes, at other times, they can look like something we haven't seen before. This could be called 'abstract'.

Tone

Tone is the lightness or darkness of a colour. Tone can be changed by using white or black to make a colour lighter or darker.

Colour

Colour is the visual element that has the strongest effect on our emotions. We use colour to create the mood or atmosphere. For example, artwork that uses mainly reds and oranges. might make you feel angry.

Pattern

Pattern is made by repeating parts of the work. There are two basic types of pattern in art: Natural Pattern and Man-Made Pattern. The patterns could be made by repeating something in a certain way or completely random.

Texture

Texture is the surface effect used in art - the roughness or smoothness of the materials used to make the art.

Space

Space is an element of art by which positive and negative areas are defined or a sense of

Shape / Form	Tone	Pattern / Texture	Colour	Line
Closed	Bright	Repeated	Bright	Fluent
Open	Dull	Uniform	Bold	Free
Distorted	Light	Geometric	Primary	Controlled
Flat	Dark	Organic	Secondary	Expressionis
Organic	Faded	Random	Cold	tic
Deep	Smooth	Symmetrical	Warm	Strong
Positive	Harsh	Irregular	Radiant	Angular
Negative	Contrasting	Bold	Dull	Delicate
Foreground	Intense	Bumpy	Vivid	Flowing
Background	Sombre	Rough	Contrasting	Simple
Composition	Strong	Smooth	Complement	Thick
Elongated	Powerful	Broken	ary	Thin
Compressed	Dramatic	Fine	Monochrom	Horizontal
Large		Bold	е	Vertical
Small		Flat	Harmonious	Broken
2D / 3D		Grid	Natural	Overlapping
Blurred			Saturated	Faint
Movement			Luminous	
Perspective			Opaque	
			Translucent	
			Transparent	

Mask of Agamemnon Heinrich Schliemann 1550-1500 B.B.



There are few remaining examples with early art often favoring drawing over color. Work Mannerist style which domhas been found recently in tombs. Egyptian Frescoes, pottery, and metalwork. 1500 BC.

Ancient Art

The Night Watch Rembrandt 1642



Emerged in Europe around 1600, reaction against the intricate and formulaic inated the Late Renaissance. Less complex, more realistic, & emotinal.

Baroque

Starry Night Vincent Van Gogh 1889



In France that represented both an extension of Impressionism and a rejection of that styles inherent limitations. 20th century.

Post Impressionism

The Scream **Edvard Munch**



Art literature of the early 20th century. Artists attempt to depict not objective reality but rather the emotions and responses that objects and event arouse in him. Distoration, exaggeration, primitivism, and fantasy. Highsly subjective and spontanous self expression.

Expressionism

Cloud Shepard Hans Arp



1915-1922. Characterized by a spirit of anarchic

revolt. Revelled in absurdity, and emphasised the role of the unpredictable an artistic expression.

Dada

Renaissance

Began in Italy, 14th century. Individual Expression, & Wordly Expirience. Move away from religion, dominated middle ages, and turn to individual man in society.



Mona Lisa Leonardo Da Vinci Circa 1503-1519

Impressionism

Emerged in France, 19th century. Marked a momentous break from tradition in European painting. The image of an object as if someone just caught a glimpse. Lots of color, scenary, very bright and vibrant.



Haystacks Claude Monet 1890-1891

Modernism

Late 19th-20th centuries. Revolt against the conservative values of realism. Traditional forms of art.



Mont Ste Victoire Paul Cezanne 1885-1889

Cubism

20th century. Avantgarde art movement, objects are broken up, analyzed, and re-assembled in an abstracted form. Revolutionized European painting and sculputure.



Weeping Pablo Picasso 1937

Pop Art

Direct descendant of Dadaism in the way it mocks the established art world by appropriating images. Celebrate everyday objects such as; sop can, washing powders, & coke bottles.



Campbell's Soup **Andy Warhol** 1962

Knowledge Goals: Biology - Circulation



Artery – takes blood away from the heart, has a thick wall withstand high pressure.

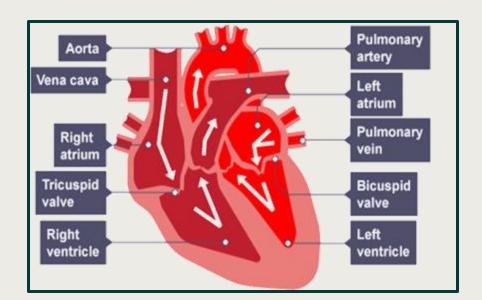
Vein –
takes blood
back to the
heart, has
a thin wall
and valve
to prevent
backflow
of blood.

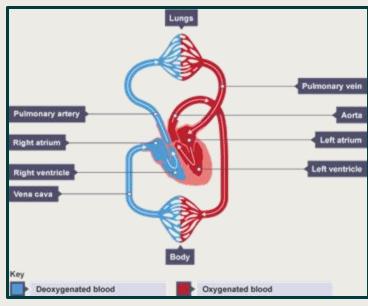
Capillary – exchanges substances between the blood and cells, is one cell thick to allow quick diffusion.

The heart pumps blood to and from the lungs and body. There are 4 chambers, the top are called atria and the bottom ventricles. Blood enters the heart via the vena cava (right atrium) or pulmonary vein (left atrium) and leaves via the pulmonary artery (right ventricle) or aorta (left ventricle).

The blood, blood vessels and heart make up the **circulatory system** which transports substances to and from the body cells. The blood is composed of red blood cells, white blood cells, platelets and plasma

If there is a problem with blood flow to the heart through the coronary arteries due to fatty deposits, then doctors can either treat with statins to reduce cholesterol levels or fit a stent to open the blood vessel.





In mammals and humans, the blood vessels are arranged as a double circulatory system.

The right ventricle pumps blood to the lungs where gas exchange takes place. The left ventricle pumps blood around the rest of the body.

Knowledge Goals: Biology - Circulation

		Half Term 5: Tier 3 Vocabulary	
#	Key word	Definition	
1	red blood cell	A type of cell found in blood that transport oxygen.	
2	white blood cell	A type of cell found in blood that defends against pathogens.	
3	platelets	Fragments of cells that are involved in blood clotting.	
4	plasma	The liquid in blood in which the red blood cells, white blood cells, and platelets are suspended.	
5	arteries	Blood vessels that carries oxygenated blood from your heart to the organs of the body.	
6	veins	Blood vessels that carries deoxygenated blood from the organs / tissues towards the heart.	
7	capillaries	Smallest and narrowest blood vessel that connects arteries and veins.	
8	double circulatory	The right ventricle pumps blood to the lungs where gas exchange takes place. The left ventricle pumps blood around the rest of the body.	
9	heart	Main organ of the circulatory system that pumps blood around the body and to the lungs.	
10	atria	The top two chambers of the heart.	
11	ventricles	The bottom two chambers of the heart.	
12	stent	A mesh that keeps coronary arteries open.	
13	statins	Drugs used to reduce blood cholesterol levels.	

<u> </u>
Notes:

Knowledge Goals: Chemistry – Acids and pH



Reactions of metals

The reactivity series of metals is a chart showing metals in order of decreasing reactivity.

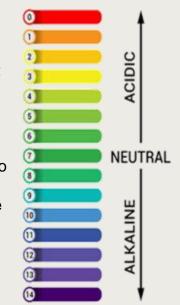
Reactions of metals with water

When reacted with water, metals produce a **metal hydroxide** and **hydrogen**.

The pH scale

The pH of a solution gives information about how acidic or alkaline a solution is.

It ranges from 0 to 14, with a neutral substance having a pH of 7.



Neutralisation

When an acid reacts with an alkali a salt and water are produced. The ionic equation for the reaction of an acid and an alkali is:

$$H^+ + OH^- \rightarrow H_2O$$

The salt produced depends on the acid and alkali used in the reaction. These are the general equations of different types of neutralisation reactions:

Which salt is formed?

A salt has two parts to its name; one comes from the acid used and the other from the metal, alkali, or carbonate used.

hydrochloric acid → chlorides, e.g. sodium chloride
sulfuric acid → sulfates, e.g. copper sulfate
nitric acid → nitrates, e.g. potassium nitrate

<u>Acids</u>

- Acids produce hydrogen ions (H⁺) in water.
- · Acidic solutions have a pH of less than 7.
- The stronger the acid, the lower the pH.
- As the pH decreases by one unit, the hydrogen.
 ion concentration of the solution increases by a factor of 10.
- A strong acid is completely ionised in aqueous solution e.g. hydrochloric, nitric, and sulfuric acids.
- A weak acid is only partially ionised in aqueous solution e.g. ethanoic, citric, and carbonic acids.

Bases and alkalis

- Base is a substance which neutralises an acid.
- Alkalis are bases which dissolve in water.
- Alkalis contain hydroxide ions (OH-).
- · Alkaline solutions have a pH of more than 7.

Soluble salts from insoluble bases

Soluble salts can be made from acids by reacting them with solid insoluble substances, such as metals, metal oxides, hydroxides or carbonates. The solid is added to the acid until no more reacts and the excess solid is filtered off to produce a solution of the salt. Salt solutions can be crystallised to produce solid salts.



Knowledge Goals: Chemistry – Acids and pH

	Half Term 5: Tier 3 Vocabulary		
#	Key word	Definition	
1	reactivity series	A list of elements in order of their reactivity.	
2	acid	When dissolved in water, its solutions has a pH value of less than 7. Acids are proton (H+ ion) donors.	
3	base	The oxide, hydroxide, or carbonate of a metal that will react with an acid, forming a salt and water.	
4	alkali	A base which dissolves in water (usually a hydroxide). Its solution has a pH value of more than 7.	
5	neutralisation	The chemical reaction between and acid and base in which salt and water are formed. If the base is a carbonate, carbon dioxide is also formed.	
6	salt	A compound formed when the hydrogen in an acid is replaced by a metal.	
7	insoluble	A substance that does not dissolve in water.	
8	рН	A number which shows how strongly acidic or alkaline a solution is.	

Notes:	
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Knowledge Goals: Computer Science

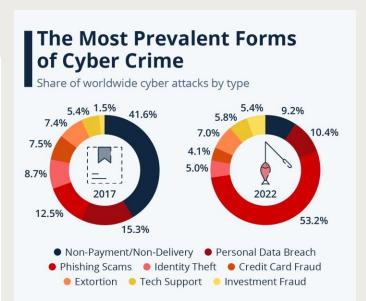
Malware is malicious software that is designed to hack or damage a system. Malware can take many different forms:

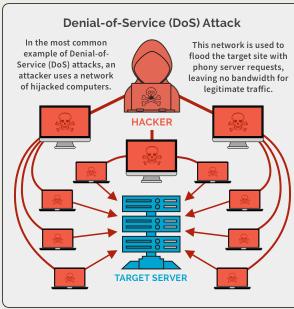
Malware threat	Description	
Viruses	Programs embedded (hidden) within other files. They replicate themselves and become part of other programs. Viruses often cause damage by deleting or modifying data.	
Worms	Programs similar to viruses except that they are not hidden within other files. Worms often spread through emails.	
Trojans	Programs which pretend to be legitimate but in reality are malware. They are often disguised as email attachments. Trojans cannot spread by themselves - instead they deceive a user into installing the program.	
Spyware	Programs that monitor user activities (such as websites visited, usernames and passwords used) and send the information back to a hacker.	
Ransomware	Programs that attempt to blackmail a user into making a payment to a hacker. Some types of ransomware do little but try to scare users into paying, while others go further - they encrypt documents and will not decrypt them until a ransom is paid.	

Encryption is the process of disguising a message so that it cannot be understood by anyone but its intended recipient. Encryption requires the use of a key. The key is secret as to how the message has been disguised. Unencrypted messages are referred to as plaintext messages. Encrypted messages are known as ciphertext.









Phishing Attacks Explained

Phishing is a cybercrime in which scammers try to lure you into giving up your personal information by impersonating a trusted source. Phishers can trick you through:







Text messages

Emails

Phone calls

Spotting a phishing email/text/phone call:

- 1. Asks you to verify secret information
- 2. Strange attachments
- 3. The creation of a sense of urgency
- Links to unrecognised website addresses - Poor spelling and grammar

Knowledge Goals: Computer Science

	Half Term 5: Tier 3 Vocabulary		
#	Key word	Definition	
1	Antivirus		
2	Blagging		
3	Deniel of Service		
4	Encryption		
5	Firewall		
6	Malware		
7	Firewall		
8	Phishing		
9	Trojan		
10	Virus		

Notes:

Knowledge Goals: Drama

Characters:

Romeo Montague - Son of the Montague family.

Juliet Capulet - Daughter of the Capulet family.

Mercutio - Friend to Romeo - neither Capulet nor Montague.

Tybalt - Juliet's Cousin, a prominent Capulet.

Benvolio - Romeo's cousin.

Friar Lawrence - A Franciscan monk and friend to both families.

Nurse - Juliet's confidante, very close to her, motherly.

Prince Escalus – Leader of Verona, trying to keep peace between the families.



Very Brief Plot Summary:

Act 1: Set in Verona, we find two warring families - the Montagues and the Capulets. There is a ball and two young people meet and fall in love - Romeo Montague and Juliet Capulet. Their families will never allow this.

Act 2: Romeo and Juliet continue to see each other secretly. Romeo wishes he was not a Montague and they decide that they will secretly marry.

Act 3: Tybalt (Juliet's cousin) tries to argue with Romeo, who refuses. Mercutio (Romeo's friend) goads Tybalt into a fight and is killed by Tybalt when Romeo attempts to stop them. Romeo then murders Tybalt in his anger.

Act 4: Juliet asks for help from Friar Lawrence. He gives her a sleeping potion that will make her appear dead so that on her supposed wedding day to Paris she will be carried to the family vault, where Romeo will find her and whisk her away.

Act 5: Romeo doesn't receive the letter about the plan. He hears Juliet has died and obtains a poison for himself. Romeo sees Juliet (assuming she is dead) and poisons himself. Juliet awakes and realising what has happened kills herself. The two families reconcile in the wake of the tragedy.

Honour: Maintaining family honour was seen as of great importance. If you were challenged to a duel and refused, your family would be seen as cowardly and this would dishonour their status and power. This strong regard for honour could often lead to violence and unrest.

Gender: Men controlled society. Women were seen as the weaker sex and were expected to be obedient to their families and husbands.

Arranged Marriage: Arranged marriages between wealthy families were never about love. They were arranged to improve status, power and wealth.

Catholicism: Religion was very important at this time and set in Italy, the Catholic church had great influence. Marriage was sacred and could not be undone. There was a strong belief in 'damnation' for mortal sin. Suicide was considered a mortal sin.

Family and children: Children were considered property of their parents. It was also common for children to have a 'nurse' and as a result, did not often have strong bonds with their parents.

Courtly love: Courtly love was all about behaviour and was supposed to be polite, restrained and courteous. Often gifts were exchanged but there was little contact. The notion of 'courtly love' strongly opposes the passion and emotion we associated with 'real love'.

Key Quotations:

"A pair of star-crossed lovers take their life" Prologue

"My child is yet a stranger in the world" Act 1 Scene 2

"It is too rough,

Too rude, too boisterous, and it pricks like a thorn." Act 1, Scene 4

"O, she doth teach the torches to burn bright!" Act 1, Scene 5

"Did my heart love till now?" Act 1 Scene 5

"I will withdraw, but this intrusion shall, Now seeming sweet, convert to bitterest gall!" Act 1, Scene 5

"If he be married, my grave is like to be my wedding bed." Act 1, Scene 5

"My only love sprung from my only hate!

Too early seen unknown, and known too late!" Act 1, Scene 5

"But, soft, what light through yonder window breaks?

It is the east, and Juliet is the sun." Act 2, Scene 1

"Oh Romeo, Romeo! Wherefore art thou Romeo?" Act 2, Scene 1

"Deny thy father and refuse thy name." Act 2, Scene 2

"For this alliance may so happy prove

To turn your households' rancour to pure love." Act 2, Scene 1

"Parting is such sweet sorrow." Act 2, Scene 1

"These violent delights have violent ends." Act 2, Scene 5

"A plague o'both your houses!" Act 3, Scene 1

"Mercy but murders, pardoning those that kill." Act 3, Scene 1

"O deadly sin! O rude unthankfulness!" Act 3 Scene 3

"Romeo, Romeo, Romeo! Here's drink: I drink to thee." Act 4, Scene 3

My lady's dead! Oh curse the day that I was born! Act 4, Scene 5

"O happy dagger,

This is thy sheath: there rust, and let me die." "Act 5, Scene 3

"All are punished." Act 5, Scene 3

"For never was a story of more woe, Than this of Juliet and her Romeo." Act 5. Scene 3

Knowledge Goals: Drama

Half Term 5: Tier 3 Vocabulary			
#	Key word	Definition	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Notes:

Knowledge Goals: English



Dallam School English Department

Knowledge Organiser: Noughts and Crosses (Year 9)

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PLOT	CHARACTERS	THEMES AND CONTEXT
The play of 'Noughts and Crosses' is adapted from a novel	The Noughts:	Themes:
of the same name by Malorie Blackman, which alternates		
the narrator between Sephy and Callum. In the play, Act 1	Callum McGregor - in love with Sephy	Racism
mainly focuses on Callum's 'world' and Act 2 switches to	Jude McGregor - Callum's brother	Discrimination
Sephy's 'world'.	Lynette McGregor - Callum's sister	Friendship
	Ryan McGregor - Callum's father	Love
We follow the love story of Sephy and Callum, two young	Meggie McGregor - Callum's mother	War
people kept apart by bigotry, terrorism and injustice. Sephy		Prejudice
is a Prime Minister's daughter from the powerful Crosses	The Crosses:	
who falls for rebel Callum, son of a dangerous nought		Context:
agitator.	Sephy Hadley - in love with Callum	
	Kamal Hadley - Sephy's father	The story of 'Noughts and Crosses' was influenced by a
	Jasmine Hadley - Sephy's mother	time in history where white people had control over
	Minerva Hadley - Sephy's sister	black people. In the play's scenario, as in the original
		novel, black people (Crosses) have control over white
		people (Noughts).
KEY TERMINOLOGY	CORE ASSESSMENT SKILLS	STUDENTS ARE AIMING TO BE ABLE TO WRITE:
		R: The writer effectively uses dialogue and emotive
Dystopian - the opposite of utopian (paradise); a nightmare	Reading:	verbs to convey the desperation of the characters.
world.		When Callum says 'I need to see you,' the verb 'need'
Discrimination – treating someone worse than others	Evaluation of effectiveness of writer's choices and	suggests there have been troubles and Callum requires
because of who they are.	approach (EV)	Sephy's support. The connotations of the word are of
Bigotry – the holding of prejudiced and discriminatory	Analysis of writer's techniques – language and	desperation and may make the audience feel anxious
views.	structure (WTL/WTS)	for the characters due to the unresolved tension
Oppression – keeping people down through enforced	Analysis of effect on reader/audience (ERA)	between them and the pleading tone that the line
control.	Use of evidence (E)	implies.
Juxtaposition – two contrasting images placed together.		
Contrast – the difference between things.	Writing:	W: There was uproar in the execution chamber last
Foreshadowing – laying clues for what will happen next.		night as Ryan MacGregor, the Liberation Militia member
Dialogue – interaction between characters.	Ambitious vocabulary (AV)	accused of the Meadowview bombing, was granted a
Theme – a key idea that recurs throughout a text.	Ambitious punctuation (AP)	last-minute reprieve from his death sentence. An
Context – the background information that helps a text	Sentence variety (SV)	eyewitness who spoke on condition of anonymity
make sense.		remarked 'He is the luckiest man alive'. Reactions were

Knowledge Goals: English

Half Term 5: Tier 3 Vocabulary			
#	Key word	Definition	
1	Declarative	A statement	
2	Imperative	A command	
3	Exclamative	A sentence ending in an exclamation mark	
4	Interrogative	A question	
5	Focus shift	When the writer decides to train our attentuon elsewhere	
6	Inward perspective	The innermost thoughts and feelings that a writer gives to a character.	
7	External/outer perspective	The description of the outer world that the characters inhabit.	
8	Revelation	Revealing information.	
9	Dual narrative	When there is two different narrative perspectives from or about different characters	
10	Witholding	When information is not revealed straight away	

Notes:

Knowledge Goals: Food Technology

A Head Chef is a highly skilled professional cook who oversees the operations of a restaurant or dining facility

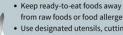
AVOIDING CROSS-CONTAMINATION

Chemical-to-Food

- · Label chemicals clearl
- · Have a designated closet for chemicals



Food-to-Food



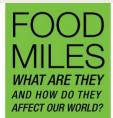
- from raw foods or food allergens · Use designated utensils, cutting boards, etc. for raw foods and
- · After handling allergens or raw foods, immediately change glove and wash your hands

Pest-to-Food

- . Store food at least 6 inches above the floor
- · Keep foods covered
- · Keep a clean, sanitized, and tidy kitchen



StateFoodSafety !!



AMERICAN FOOD TRAVELS

AN average OF 1.500 TO 2.500 MILES

GROWING FOOD CLOSER TO

home ALLOWS US TO HAVE

FRESHER FOODS, AND MORE



60-70% OF THE COST OF YOUR FOOD GOES TO production inputs



FERTILIZER, OIL/GAS, WATER, ETC.), TRANSPORTATION, AND STORAGE THAT USE *limited*, resources, petrochemicals, & generate greenhouse gasses.



FRUITS AND VEGETABLES ALLOWED TO grow to full ripeness HAVE MORE NUTRITIONAL VALUE THAN CONVENTIONAL PRODUCE HARVESTED EARLY AND RIPENED WITH CHEMICAL GASSES IN TRANSPORT

The role of the EHO (Environmental Health Officer)

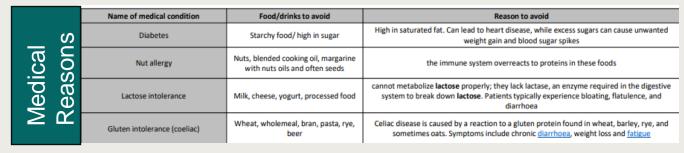


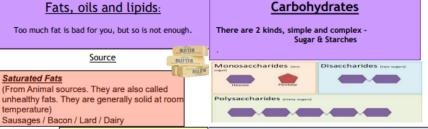
Checkina

ventilation

The role of the EHO

- 2) They can visit randomly so long as it is deemed "a
- 3) They sometimes visit as a result of a complaint
- 4) Can close a business immediately if the risk is high
- 5) They can offer advice to business'
- 6) They can seize and detain food
- They can prosecute business'
- 8) They can inspect training records of staff
- 9) Monitor hygiene and cleaning standards
- 10) Take temperatures of fridges, inspect how waste is disposed of, hand washing facilities and food storage





(These are healthier. The are often liquid at room temperature. Monounsaturated fat olive oil / avocados Polyunsaturated fats - sunflower oil / seeds

Unsaturated Fats

Not enough

Vitamin

soluble)

Unprotected

organs

Omega-3. These are Polyunsaturated and called 'healthy" fats as your body needs them but can't make them. They are good for your heart.

Oily fish / Nuts / Seeds

Function

Energy Warmth Protection of organs Source of fat soluble vitamins Hormone production

Cancer

Dietary Reference Values Too much Obesity Heart disease deficiency (fat Type 2 95g 70g diabetes Stroke 30g 20g

Simple - these are sugars (monosaccharides, disaccharides) Cakes, jam, soft drinks

Complex - these are starches (polysaccharides) Bread, potatoes, Flour, Pasta, Rice.

Function Free sugars Quick burst of energy These give you no Complex nutritional benefit other than energy. Longer lasting energy

Dietary advice

- Reduce the amount of sugar that we eat, no more than 5% of our diet.
- Complex Carbohydrates should make up half of the energy we
- Wholegrain cereals are a good source of

Not enough Too much

sugar

leads to

problems

Can lead

to type 2

diabetes

dental

Can make	 Excess i
blood sugar	turned
level drop	into fat
 hunger, 	Can cau
 dizziness, 	obesity

- dizziness, Tiredness Lack of energy
- Our body will use protein for energy (leads to loss

of muscle)

Reference Values Amoun 1-3 15g Too much 4-6 20g 7-10 28g 11-14 42g

15-18

19-50

55g

55g

53g

maintenance

Dietary

Protein:

These are made up of essential amino-acids and nonessential amino-acids. (Our bodies can make nonessential amino acids, but we need to get essential amino acids from our food).

Source

HBV - these have all the essential amino acids Meat, fish, dairy, eggs (animal sources) Tofu

LBV - these are missing at least one essential

·Seeds, nuts, beans, pulses, cereals, Quorn (plant sources)

Function Growth Quorn Repair

Not enough Too much

washiorkor	Excess prote
Dedema	can be
Anaemia	converted to
low growth in	energy. If
hildren	unused turn
	fat.

Complementary actions

Combining 2 or more LBV proteins helps get a balance of essential amino acids. e.g. beans on toast.

Knowledge Goals: Food Technology

Half Term 1: Tier 3 Vocabulary				
#	Key word	Definition		
1	Cross- Contamination	When bacteria is unintentionally transferred from one food to another, with harmful effect such as cross-contamination between raw and cooked food		
2	Intolerances	A food intolerance is when you have difficulty digesting certain foods or ingredients in food. It's not usually serious, but eating the food you're intolerant to, can make you feel unwell.		
3	Environmental Health Officer	Environmental health officers make sure people's surroundings are safe, healthy and hygienic. They can enforce food safety legislation, issue improvement notices, and shut businesses down if they do not meet standards.		
4	Excess and deficiencies of nutrients	Excess: to consume too much of a specific nutrient Deficiency: to consumer too little of a specific nutrient		
5	Food allergies	A food allergy is when the body's immune system reacts unusually to specific foods. Although allergic reactions are often mild, they can be very serious.		
6	Food miles	The distance in which food has travelled from its origin to the plate 'from farm to fork'		

Notes:			
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Knowledge Goals: French

		MIC	owieage c
La nourriture et les boissons du beurre/du fromage du lait/du pain du poisson/du poulet du yaourt de la confiture de la glace	Food and drink butter/cheese milk/bread fish/chicken yoghurt jam ke cream	de la viande de l'eau (f) des bananes/des fraises des œufs/des pèches des poires/des pommes des pommes de terre	meat water bananas/strawberries eggs/peaches pears/apples potatoes
Les repas Qu'est-ce que tu prends pour le petit-déjeuner? Qu'est-ce que tu manges à midi? Qu'est-ce que tu manges comme casse-croûte? Qu'est-ce que tu manges le soir? Qu'est-ce que tu bois? Pour le petit-déjeuner, À midi, Comme casse-croûte, Le soir,	Meals What do you have for breakfast? What do you eat at lunchtime? What do you have as a snack? What do you eat in the evening? What do you drink? For breakfast At lunchtime As a snack In the evening	Comme dessert, Je prends/je mange des céréales du pain grillé un sandwich des chips/des biscuits des pâtes de la salade de la glace au chocolat Je bois du jus d'orange.	For dessert I have/i eat cereal toast a sandwich crisps/biscuits pasta salod chocolate ice cream I drink arange juice.
Les quantités un kilo de deux cent cinquante grammes de un litre de un paquet de	Quantities a kilo of 250 grams of a litre of a packet of	un pot de une boîte de une bouteille de quatre tranches de	a jar/pot of a tin/can of a bottle of four sikes of
Les vêtements Je porte un blouson/un chapeau un costume un imperméable un jean (moulant) un manteau/un pantalon un polo/un pull un sac à main/un short un sweat à capuche un tee-shirt une casquette une ceinture	Clothes I wear/am wearing a jacket/a hat a suit a raincoat (a pair of) (skinny) jeans a coat/(a pair of) trousers a pola shirt/a jumper a handbag/(a pair of) shorts a hoody a 7-shirt a cop a belt	une chemise/une écharpe une mini-jupe/une montre une robe/une veste des baskets (de marque) des boucles d'oreille des bottes des chaussettes des chaussettes des chaussures des gants des lunettes de soleil en laine/en cuir rayé(e)(s)	a shirt/a scorf a mini-shirt/a watch a dress/a jacket (designer) trainers earrings boots socks shoes glaves sunglasses woollen/leather striped
Les couleurs blanc(he)(s) bleu(e)(s) gris(e)(s) jaune(s) marron mauve(s) noir(e)(s)	Colours white blue grey yellow brown purple black	orange rose(s) rouge(s) vert(e)(s) clair foncé multicolore(s)	orange pink red green light dark multi-coloured
La vie quotidienne J'ai cours tous les jours sauf Les jours d'école, je dois me lever tôt je dois quitter la maison à (7h30) Le soir, je dois faire mes devoirs je dois aider ma mêre je peux regarder un peu la têlé	Daily life I have lessons every day except On school days I have to get up early I have to leave the house at (7.30) In the evening I have to do my homework I have to help my mother I can watch a bit of TV	Le samedi,/Le dimanche, je peux rester au lit je peux retrouver mes copains/copines en ville je dois ranger ma chambre je peux écouter de la musique	On Saturdays/Sundays I can stay in bed I can meet up with my friends in town I have to tidy my room I can listen to music
Au magasin de vêtements la taille la pointure les cabines d'essayage une taille moyenne Il y a un trou. Il y a une tache. Il/Elle est/lis/Elles sont	In the clothes shop size shoe size changing rooms medium size There's a hole (in it). There's a stoin (on it). It is/They are	trop grand(e)(s) cassē(e)(s) Il/Elle ne marche pas. Je voudrais échanger (la jupe/le pantalon, etc.) un remboursement	too big broken It is not working/doesn't work. I would like to exchange (the skirt/trousers, etc.) a refund

too small

trop petit(e)(s)

Faire les magasins ou faire	Go to the shops or shop online?			
du shopping en ligne? Je préfère faire les magasins	I prefer to go to the shops	je peux demander l'opinion de mes ami(e)s il y a trop de monde dans les	I can ask my friends' opinion there are too many people in	
faire mes achats en ligne parce que/qu'	to make my purchases online because	magasins on peut trouver des vêtements	the shops you can find cheaper clothes	
c'est mieux d'essayer les vêtements dans un magasin	it's better to try clothes on in a shop	moins chers c'est plus facile/plus rapide	it's easier/faster	
Les fêtes Noël	Festivals Christmas	PRODUCT ALCOHOL	No. of Contract	
Noet la veille de Noël Pâgues	Christmas Eve Easter	Chez moi,/nous, on fête (Noël/Divali, etc.)	At my/aur house we celebrate (Christmas/Diwali, etc.)	100
Divali	Diwali	on boit du champagne	we drink champagne	
Hanoukka Aïd-el-Fitr	Hanukkah Eid al-Fitr	on décore le sapin de Noël on s'offre des cadeaux	we decorate the Christmas tree we give each other presents	
le 6 janvier/la fête des Rois	Epiphany	on ouvre les cadeaux	we open the presents	
le premier avril	April Fool's Day	on chante des chants traditionnels		
la Chandeleur le Nouvel An	Candlemas New Year	on allume des bougies on cherche des œufs dans le jardin	we light candles we look for eggs in the garden	
la Saint-Sylvestre	New Year's Eve	On prépare/mange	We prepare/eat	
la Saint-Valentin la fête des Mères	Volentine's Day	de la dinde rôtie	roast turkey	
la rete des meres le 14 juillet/la fête nationale	Mother's Day Bastille Day, 14 July	des légumes une bûche de Noël au chocolat	vegetables a chocolate Yule log	
française		des crépes	crépes	
On est chrétiens. On est juifs.	We are Christian. We are Jewish.	une galette des Rois toutes sortes de bonnes choses	tart eaten for Epiphany all sorts of good things	
On est musulmans.	We are Muslim	des choses sucrées	sweet things	
Un repas spécial	A special meat	une laitue	a lettuce	
Je vais/On va apporter du jambon/du pâté	Lam/We are going to bring ham/páté	des tomates/des oignons	tomatoes/onions	
du saucisson	salami	des poivrons	peppers	
des baguettes des biftecks	baguettes steaks	des champignons des abricots	mushrooms apricats	
des saucisses	sausages	des framboises	raspberries	
des salades composées	mixed salads	du raisin	grapes	
une salade de riz du concombre	a rice salad cucumber	des mini-gäteaux une tarte aux fruits	mini-cakes a fruit tart	
Les magasins	Shops	n and a second	and bush of Manager	
le marché/le supermarché la boucherie	market/supermarket butcher's	la charcuterie la pătisserie	pork butcher's/delicatessen cake shop/pastry shop	
la boulangerie	bakery/baker's	l'épicerie (f)	greengrocer's	
Fêter le 14 juillet On va aller au bal.	Celebrating Bastille Day We're going to go to the dance.	On va s'amuser.	We're going to have fun.	
On va aller au bal. On va regarder le feu d'artifice.	We're going to watch the fireworks.	On va inviter	We're going to invite	
Félicitations!	Congratulations!	Water and the second control of	W. C	
l'anniversaire (m) le mariage	birthday wedding/marriage	Mon frère s'est pacsé avec son compagnon.	My brother entered into a civil partnership with his partner.	
la fête	party	Il y avait	There was/were	
C'était mon anniversaire. L'ai recu beaucoup de cadeaux.	It was my birthday. I received lots of presents.	beaucoup d'invités un gâteau spécial	lots of guests a special cake	
Ma sœur a eu son premier bébé.	My sister had her first baby.	Cétait	It was	
Je suis allé(e) au mariage de (ma cousine).	I went to (my cousin)'s wedding.	génial	great	
Les mots essentiels	High-frequency words		maraga araganan	
avec pour	with for	en ce moment en été	at the moment in summer	
donc, alors	so, therefore	avant-hier	the day before yesterday	
ear/paren que	facilineausa	Il u a (tenir) lours	(three) days ago	

il y a (trois) jours Je suis désolé(e).

ce/cet/cette/ces

quel/quelle/quels/quelles ...?

bien sûr

(three) days ago

I'm sorry.

of course

which ...?

this/these

for/because

sometimes

some/a few

lots of

unfortunately

if not, otherwise

car/parce que malheureusement

sinon

parfois

quelque(s)

beaucoup de

Knowledge Goals: French

Half Term 5: Tier 3 Vocabulary			
1	SSC	Symbol-Sound Correspondence: the sound that letters or combination of letters make in a language	
2	cognate	A cognate is a word which looks the same or very similar to a word in English. E.g.: le cinéma, le football	
3	connective	A word which links sentences together. E.g.: et, mais, parce que, cependant	
4	Opinion verb/ phrase	A verb or a phrase which you use to give an opinion: j'aime, j'adore, je n'aime pas, je déteste	
5	Justifier	A way of giving a reason, a justification of an opinion: J'adore parce que c'est + qualifier + adjective.	
6	qualifier	A word which changes the intensity of an adjective: vraiment, assez, un peu	
7	adjective	A describing word: amusant, intéressant, grand, petit, génial etc	
8	Time phrase	A phrase used to say when something is happening: normalement, l'année prochaine, cette semaine, lundi	
9	Tenses	Past, present, future, conditional	
10	Infinitive	A verb as you find it in the dictionary: to play, to eat. This is the form of the verb when it is not used with a pronoun (I, he, she)	

Notes:

Knowledge Goals: Geography – Is the grass really greener? Migration

Push and pull factors Push Factors Pull Factors access to services few services

better job opportunities

better transport links

family links

- lack of job opportunities
- unhappy life
- poor transport links
- natural disasters
- wars
- shortage of food

more entertainment facilities improved living conditions hope for a better way of life

Different types of migration			
Forced migration	The movement of people from one place to another through no choice of their own		
Voluntary migration	People moving by choice		
International migration	The movement of people from one country to another		
Rural to urban migration	People moving from the countryside to urban areas		
Economic migrant	A person who moves from one place to another for economic reasons e.g. job		

Life in the slums

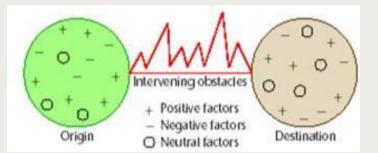
Cramped housing - 6 to 8 people per small room. Cook, eat and live in the slums. Made from waste materials such as wood, bricks, plastic and corrugated sheeting. Family life is often difficult as there is no privacy

Sanitation – toilets are shared between as many as 50 households and often drain straight into the river. Water is often taken from this river to cook and wash with

Disease – this is often rife as garbage is often dumped in the streets. This pollutes the area and encourages rats which carry disease. Children play and people socialise in the streets

Services – Electricity and water are often not connected legally to the slums. There is often limited and expensive access to health and education. Sewerage and waste collection services often do not exist.

Lee's model of migration



Positive factors: Pull factors **Negative factors**: Push factors **Natural factors**: climate, landscape

Intervening obstacles: physical distance, physical barriers, political obstacles and cultural barriers

Challenges facing cities due to migration

Social challenges	 Air pollution due to traffic congestion and factories Health issues Overcrowding Service provision Poorest face biggest challenges
Economic challenges	 Employment Low standard of living Economic access to services (poverty)
Environmental challenges	 Deforestation Air pollution Water pollution Noise pollution Waste management

Improving the slums

Top down approaches - the government decides on the project

Examples of this include:

- 1. Self help schemes where the government gives loans / materials to slum dwellers to help them improve their livelihood
- 2. National schemes to improve water and electricity supplies
- 3. New homes are built and slum dwellers are moved into these before demolishing the slums

Bottom up approaches – often small scale projects that work with the local community

Examples of this include:

- 1. Aid agencies help provide water to the slums
- 2. Slum dwellers work with aid agencies to build sewers and improve their homes
- 3. Microloans are given out to help people improve their quality of live

Knowledge Goals: Geography – Is the grass really greener? Migration

Half Term 5: Tier 3 Vocabulary			
#	Key word	Definition	
1	Migration	The movement of people from one place to another	
2	Urban	Towns and cities	
3	Rural	The countryside	
4	Standard of living	The level of wealth and material goods that an individual, community or country has access to. This is usually measured in US\$.	
5	Migrant	A person who moves from one place to another	
6	Source country	The country a migrant comes from	
7	Host country	The country a migrant goes to	
8	Climate change	Long term changes in the average weather conditions	
9	Employment	Having paid work – this can be formal or informal	
10	Quality of life	The level of overall wellbeing of an individual, community or a country.	

Notes:
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Knowledge Goals: History – British Empire

An **empire** is a group of countries ruled over by a single monarch or ruling power. An empire doesn't need an 'emperor'. Between 1497 and 1763, English seamen reached places Europeans had not previously been. Britain then set up colonies and used them to trade all over the world. However the British used violence to take over these lands, many people were enslaved. The first English colonies were formed in North America in 1585 by Sir Walter Raleigh.





By 1783, Britain had established an empire which comprised of colonies in North America, including the West Indies, and the Pacific including New Zealand, trading posts in India and naval bases in the Mediterranean. However, Britain's defeat in the American War of Independence meant the loss of the American colonies.









AUSTRALIA

BRITISH RAJ

BRITISH SOUTH AFRICA

BRITISH CARIBBEAN

Australia

Throughout the 16th and 17th century voyages of discovery, the continent of Australia had remained largely undiscovered. In 1768 James Cook set off in his ship Endeavour from Plymouth in an attempt to claim land for the growing British empire. The British claimed the land of Australia, with no consideration of the aborigines. Because they did not wear clothes and never washed, the aborigines were seen as savages and inferior to the white European settlers.

India

The East India Company was founded in England in 1599 and soon began building trading warehouses in India. By the 1850s, the British ruled about 60% of India. The British banned traditional Indian ceremonies and wanted India to use the British education system. The British Raj was the rule of the British Crown on the Indian subcontinent from 1858 to 1947. The rule is sometimes called 'Crown rule in India' or 'direct rule in India'.

South **Africa**

In 1885, 13 Western powers were invited to a conference in Germany to settle the issue of Africa. The borders that were drawn up at this conference remain the borders within Africa that we know today. The British wanted to control South Africa because it was one of the trade routes to India. However, when gold and diamonds were discovered in the 1860s-1880s their interest in the region increased. This brought them into conflict with the Boers. Tensions between Boers and British led to the Boer War of 1899-1902. This was an extremely bloody and brutal war, which the British eventually won.

Knowledge Goals: History – British Empire

Half Term 5: Tier 3 Vocabulary		
#	Key word	Definition
1	aboriginal	Original inhabitants of Australia
2	Britannia	A female figure used to symbolise the British Empire
3	Colony	A country that is part of an empire
4	East India Company	A trading company that gradually took control of India
5	Famine	A severe shortage of food
6	Imperialism	The act of building an empire
7	Nationalism	Wanting your country to be the best or be free from someone else's empire
8	Penal Colony	A territory used as a place for housing prisoners
9	The Raj	The period of British rule in India after 1857. From the Hindi word meaning reign
10	Empire	an extensive group of states or countries ruled over by a single monarch, or a sovereign state

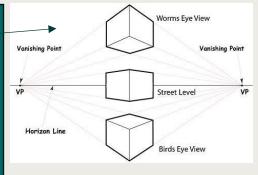
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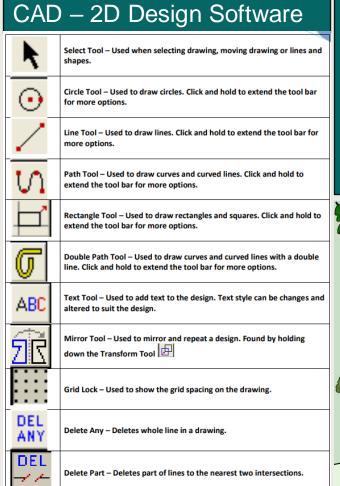
Knowledge Goals: Materials 1 - Passive Amplifier

Health and Safety It is really important we ASSESS the RISK and REDUCE the RISK of Injury by LISTENING To the TRAINING and following the correct PPE usage

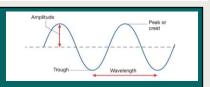
- Hair must be tied up in the workshop
- Blazers and ties must be removed
- Jewellery must be removed
- Only use machines you have been told to use and have been demonstrated to you
- Ensure you know where the emergency stop button is
- Do not eat or drink in the workshop
- No running

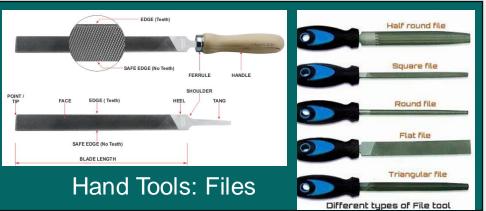
Two-point perspective - This shows an object from the side with two vanishing points. It gives the most realistic view of a product as it shows the item edge on, as we would see it. It is often used to produce realistic drawings of an object.





The loudness of a sound is a measure of the amplitude of the wave. The greater the amplitude, the louder the sound.





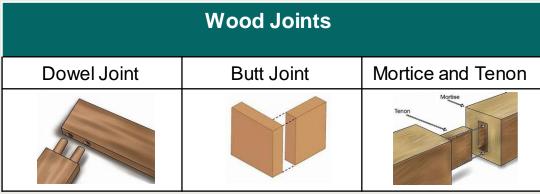


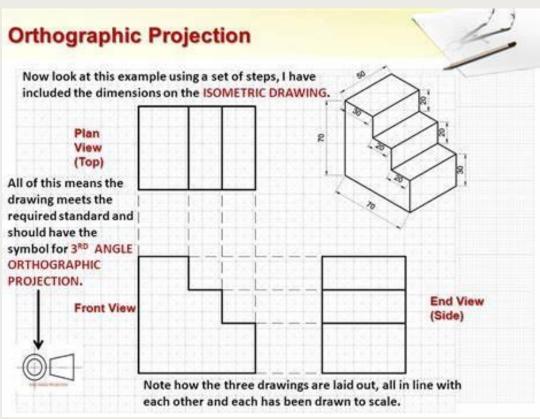
Knowledge Goals: Materials 1 - Passive Amplifier

	Half Term 1: Tier 3 Vocabulary		
#	Key word	Definition	
1	Amplification	the process of increasing the volume of sound,	
2	Etch	To engrave into a design, which cuts the surface but not all the way through the material	
3	2-point perspective	This shows an object from the side with two vanishing points. It gives the most realistic view of a product as it shows the item edge on, as we would see it. It is often used to produce realistic drawings of an object.	
4	Half-round file	a file made flat on one side and convex on the other for filing curves	
5	Round file	A file that has a round section, this is used for It is used for rubbing or finishing holes of small diameter	
6	Flat file	A flat file is referred to as a file which is of a rectangular cross-section in shape	
7	Coping saw	a saw with a very narrow blade stretched across a D-shaped frame, used for cutting curves in wood.	

Notes:	
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Knowledge Goals: Materials 1 - Sweet Dispenser







Health and Safety
It is really important we ASSESS the RISK and REDUCE the RISK of Injury by LISTENING To the TRAINING and following the correct PPE usage

- Hair must be tied up in the workshop
- Blazers and ties must be removed
- Jewellery must be removed
- Only use machines you have been told to use and have been demonstrated to you
- Ensure you know where the emergency stop button is
- Do not eat or drink in the workshop
- No running

R's - Sustainability

9

Recycle - Take an existing product that has become waste and re-process the material for use in a new product.

<u>Reuse</u> - Take an existing product that's become waste and use the material or parts for another purpose, without processing it.

Reduce - Minimise the amount of material and energy used during the whole of a products life cycle.

Refuse - Don't accept a product at all if you don't need it or if its environmentally or socially unsustainable.

<u>Rethink</u> - Our current lifestyles and the way we design and make.

Repair - When a product breaks down or doesn't function properly, fix it.

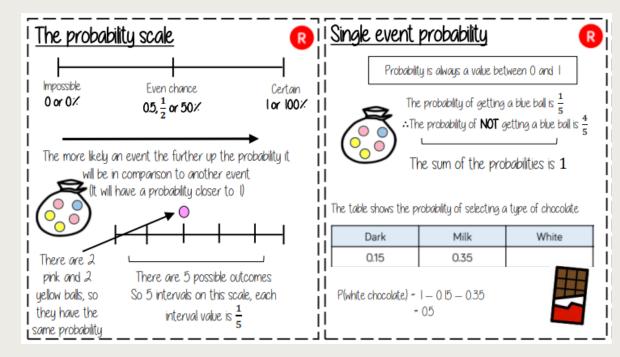
Knowledge Goals: Materials 1 – Sweet Dispenser

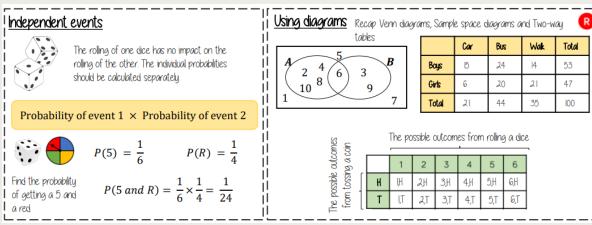
Half Term 1: Tier 3 Vocabulary			
#	Key word	Definition	
1	Aesthetics	The look of a product e.g. the colour, theme, texture, finish etc	
2	Sustainability	Sustainability means doing something that will cause little or no damage to the environment and will be able to continue for a long period of time.	
3	Plan view	the appearance of an object as seen from above	
4	Dimensions	A dimension is a measurement such as length, width, or height. If you talk about the dimensions of an object or place, you are referring to its size and proportions	
5	Adhesives	a substance used for sticking objects or materials together e.g glue	
6	Mechanism	a system of parts working together in a machine; a piece of machinery	
7	Orthographic projections	Orthographic projections are working drawings in either a first or third angle projection and show each side of a design without perspective, ie a 2D drawing of a 3D object. They are used to show an object from every angle to help manufacturers plan production.	

Notes:						

Knowledge Goals: Maths

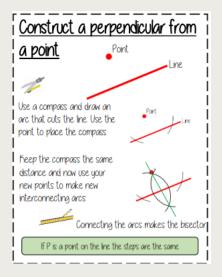
Unit 10 – Probability		
Topic	Video	Resource
to use a probability scale with vocabulary and fractions.	Watch this	Complete Q2,5,7 (check answers by clicking at bottom of page)
to identify the probability of single events giving answers as fractions and decimals.	Watch this	Complete Q3,6,8 (check answers by clicking at bottom of page)
find the probability of mutually exclusive outcomes.	Watch this	Complete Q3,6,9 (check answers by clicking at bottom of page)
strategically list outcomes on a sample space	Watch this	Complete Q1,2,3 (check answers by clicking at bottom of page)
complete a two way table and identify probability from the information	Watch this	Complete Q1,2,5 (check answers by clicking at bottom of page)
complete a frequency tree and identify probability from the information.	Watch this	Complete Q1,2,3 (check answers by clicking at bottom of page)
Probability and Venn diagrams (Higher)	Watch this	Questions

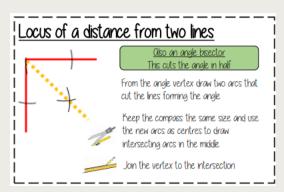


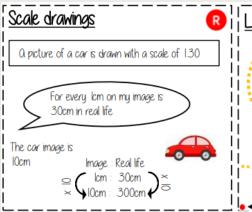


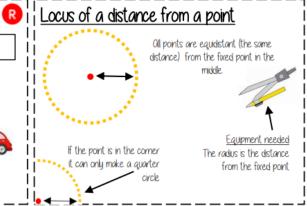
Knowledge Goals: Maths

Unit 11 – Construction and loci									
Topic	Video	Resource							
Students will learn how to construct SSS, ASA and SAS triangles.	Watch this (SSS) Watch this (ASA) Watch this (SAS)	Complete Q1,2,3							
Students will learn how to construct a perpendicular bisector.	Watch this	Complete Q1,2							
Students will learn how to construct an angle bisector	Watch this	Complete Q3							
Students will learn how to construct perpendicular to a given line from a given point	Watch this	Complete Q1,2,3							
Students will learn how to interpret scale drawings and scales on a map.	Watch this	Complete Q1,2,3							
Students will learn how to solve simple LOCI problems	Watch this	Complete Q1&2							









Knowledge Goals: Maths

	Term 5: Tier 3 Vocabulary								
#	Key word	Definition							
1	Probability	The chance that something will happen							
2	Chance	The likelihood of a particular outcome							
3	Relative frequency	How often something happens divided by the outcomes.							
4	Biased	Built-in error							
5	Perpendicular	Lines that meet at 90 degrees							
6	Equidistant	The same distance							
7	Bisector	A line that divides something into two parts							
8	Locus	A set of points with a common property							

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Knowledge Goals: Music

1.	1. Rock								
1	Rock	Broad genre of popular music starting starting with Rock and Roll and splitting into many sub genres. Defined usually by an upbeat tempo, electric guitars, Drums and bass.							
2	Musicians	ACDC, Black Sabbath, Green Day, Led Zeppelin							

4.	4. Musical characteristics								
1	Distortion	Guitar effect used to create a 'Gritty sound'							
2	Low fi	The quality of the sound. A deliberate choice to add imperfections in the sound quality.							
4	Fuzz	Describing the timbre or sound of an electric guitar							
5	Stripped Back	Not many instruments. Thin texture to the music							

2. Grunge								
1	Grunge	Underground genre started in Seattle, America. Known for its stripped back, lo fi sound with fuzzy distorted guitars						
3	Musicians	Nirvana, Soundgarden, Perl Jam, Alice in chains						

5	5.	Performance	e Techniques						
1	ı	Rehearsing	Practicing your part in a song to ensure it is accurate and in time. Also refers to practicing as an ensemble.						
2	2	Timing	Playing with the pulse of the music						
3	3	Projection	Performing with appropriate, clear dynamics						
4	4 Fluency		Playing accurately without any hesitation or pauses						
5	5	Balance	The dynamic levels of each instrument. Being able to hear all instruments in the performance						

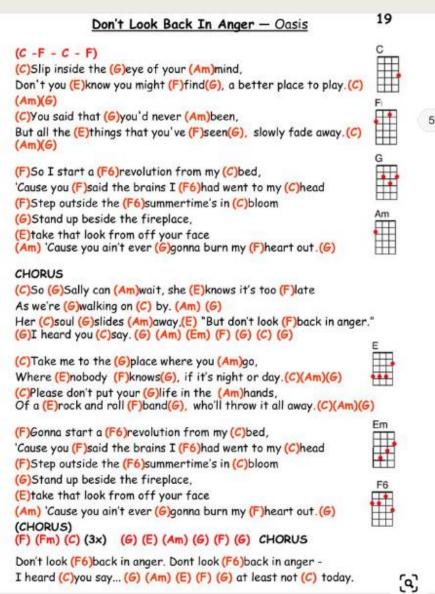
	Key Vocab usical eleme	nts
1	Melody	The main tune, played on instruments or sung.
2	Chords	Two or more notes played at once.
3	Chord Sequence	A pattern of chords
4	Riff	A repeated musical pattern used in Rock, Pop and Jazz.
5	Dynamics	Volume of the music

The section of the music that introduces the song.	
2 A section that repeats in a song it has the same music, but different lyrics.	,
The main section of a song, it will repeat both the lyrics and the music in the same way	
4 Bridge A section in a song that links two other sections.	10
5 Instrumental A section in the music with no lyrics and the instruments contain the melodic interest.	
6 Outro The ending section of a song.	

3.	3. Britpop								
1	Britpop	British guitar based music influenced by bands such as The Beatles and The Kinks. Known for its British lyrics and bright and catchy sound.							
2	Musicians	Blur, Oasis, Suede, Elastica, The Verve							
3	Battle of Britpop	Battle of Oasis vs Blur for top spot in the UK charts in 1995							

Other musical styles linked to this: British invasion, Pop Punk, Post Britpop, Punk, Heavy Metal, Synth Pop

Knowledge Goals Music

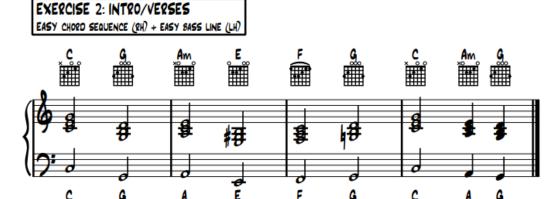


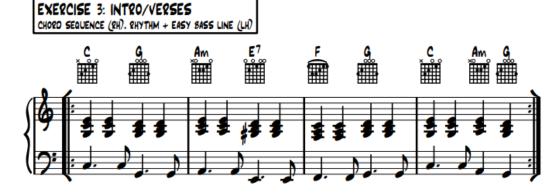


Piano/Guitar

EXERCISE 1: INTRO/VERSES

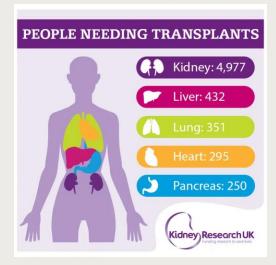
EASY CHORD SEQUENCE (RH)

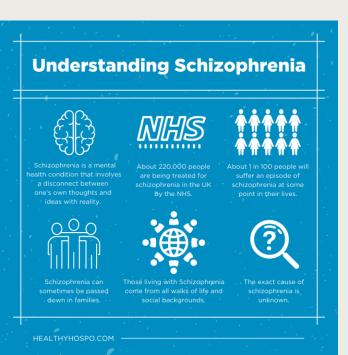




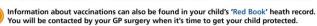


Knowledge goals: PDev





Childhood Vaccination Timeline





Age 8 weeks

6-in-1 (dose 1)

Protects against

diphtheria, tetanus

whooping cough,

polio, haemophilus

influenzae type B and

hepatitis B. Bacterial

and viral conditions

that babies and

young children

are particularly

vulnerable to.

MenB (dose 1)

The most common

form of meningitis that can lead to

severe brain damage.

Rotavirus (dose 1) A highly infectious stomach bug.



Age 12 weeks

Protects from a range

of bacterial infections

from pneumonia to

Rotavirus (dose 2)

6-in-1 (dose 2)

Pneumococcal

vaccine



Age 16 weeks

6-in-1 (dose 3)

A single dose of

partial protection.

Your child needs all

doses to receive full

protection.

MenB (dose 2)

vaccine provides only

Age 1 year

Protects against

infections and boosts

protection already

gained from the

MMR (dose 1)

Measels, mumps and

rubella. All highly

infectious with the potential for long-

term damage.

Pneumococcal

MenB vaccine

(dose 3)

vaccine (dose 2)

Hib/MenC



Age 2 years

Flu (annual) Nasal spray. Children

can be "super-

transmits an

people.

A super spreader

is someone who

infectious disease to

an unusually large

number of other





Age 3 years and 4 months

MMR (dose 2)

booster

4-in-1 pre-school

Increases existing

protection against

diphtheria, tetanus,

whooping cough and

Staffordshire and

Stoke-on-Trent

ntegrated Care Board



NHS















HYGIENE PRACTICES

GOOD PERSONAL



Brush and floss daily



Washing hands frequently











Knowledge Goals: PDev

Half Term 5: Tier 3 Vocabulary				
#	Key word	Definition		
1	Alcohol	a chemical which is in certain drinks and changes how people behave.		
2	Legalisation	the process of making something legal.		
3	Schizophrenia	A long-term mental health condition which can cause a sufferer to have frightening hallucinations.		
4	Vaccination	the process of giving someone a weakened form of a disease in order to teach their body how to defend against it.		
5	Organ donation	the act of giving a bodily organ in order to help someone else in need of that organ. This can be done when the donor is alive, and it can also be done after the donor has passed away.		
6	Stem cells	cells that have not differentiated and can generate infinite amounts of other cells which can then specialise.		
7	Hygiene	the name given to practices which promote good health, especially prevention of disease, often through cleanliness.		
8	Sulphuric Acid	An acid with many useful purposes, used as part of fertiliser for crops and in car batteries.		
9	Gender Crime	a crime where statistically the victims are a particular gender		

Notes:			
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Knowledge Goals: PE



Athletics

ATHLETICS

Throwing: Shot Putt, Discus, Javelin

- ☐ **Grip** I understand the correct reasons for gripping the implement and how it enhances the overall throw.
- □ Stance I can use the Power Position and maintain a high elbow throughout the throw.
- **Movement** I am able to use the circle and run way to develop greater speed when throwing the Javelin, Discus and Shot Putt.
- □ **Delivery & Release** I am able to release the Javelin, Discus and Shot Putt at the right angle and release speed with greater control and consistency.

Sprinting: 100m, 200m, 400m, Hurdles

- Warm Up I am able to design and implement a warm up that increases with intensity and takes in to consideration all the relevant actions necessary for sprinting.
- □ Start Technique I am able set up a 4 point start independently and then use a split arm technique to start the race.
- □ Acceleration I can demonstrate an efficient start technique using my arms correctly, keep my feet low to the ground and gradually become taller as I accelerate.
- Maintenance & Finish I understand the importance of a good knee drive keeping my toe and knee up and I can run a controlled bend with a smooth transition to straight running.

Jumping: Long Jump, Triple Jump, High Jump

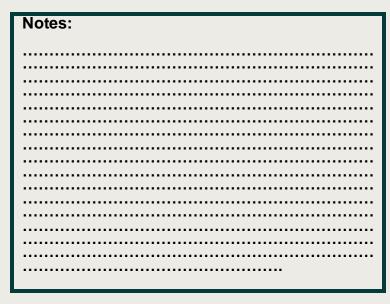
- □ Warm Up I am able to design and implement a warm up that increases with intensity and takes in to consideration all the relevant actions necessary for jumping.
- □ Run Up I can use a sprinting technique with control and hit my take -off mark consistently before take-off
- ☐ Take Off I can take off accurately from one foot using an active foot landing, tall body position and begin to understand the use of my arms to help.
- □ Flight I am able to keep my free leg parallel to the ground when in flight and begin to practise alternative methods to gain extra distance.
- □ Landing I can land with my heels first, absorb my knees, and bring my arms down and behind on landing.

Endurance: 800m, 1500m

- □ Warm Up I am able to design and implement a warm up that increases with intensity and takes in to consideration all the relevant actions necessary for endurance.
- ☐ **Technique** I am able demonstrate a very effective technique with my arm action similar to sprinting but not as vigorous and my foot placement controlled.
- □ Pacing I am able to break a set distance into phases or use check markers and be able to run them in a set time.
- ☐ Tactics I can make the correct decisions during the race as to whether I am able to speed up or slow down.

Knowledge Goals: PE

	Half Term 5: Tier 3 Vocabulary			
#	Key word	Definition		
1	Aerobic Exercise	Exercise with Oxygen		
2	Anaerobic Exercise	Exercise without Oxygen		
3	Fosbury Flop	A jumping technique in High Jump		
4	The V grip	A type of grip in Javelin		
5	Chin, Knee, Toe	Body position when setting up for throwing events; shot put & discus		
6	Split Time	Some runners use splits to see if they're pacing a distance evenly and staying on track to hit a specific goal		
7	4-point start	A sprint start position involving both hands and feet		
8	Pocket to Socket	A sprint technique involving the arm action		





Athletics – skills & techniques



English Schools
Athletics
Association

Knowledge Goals: Physics – Mains electricity

Properties of mains electricity

The mains potential difference is 230 volts (V). The mains frequency is **50 hertz** (Hz).

Equations to learn

energy = power × time energy = charge × potential difference

Symbols

Fuse \pm

Double insulated

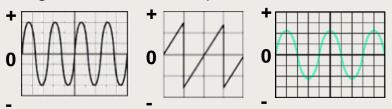


Types of potential difference

A direct potential difference has a constant value. Examples include batteries and solar cells.



An **alternating** potential difference continually changes direction. Examples include the mains.



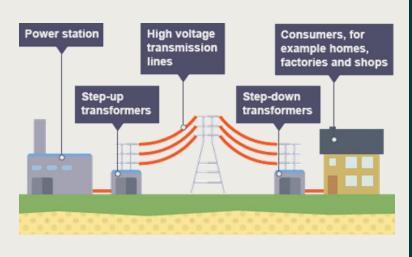
Types of wires

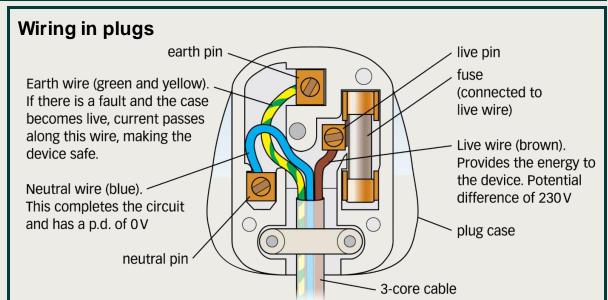
Appliances are wired using 2- or 3-core cables. 3-core cables are used when appliances need to be earthed because they have metal parts that users can touch. Thicker cores are needed for appliances drawing more current.



The National Grid

Electrical power is transferred from power stations to consumers using the National Grid. Step-up transformers are used to increase the potential difference from the power station to the transmission cables which means the current is reduced and less energy is wasted by heating the cables.





Knowledge Goals: Physics – Mains electricity

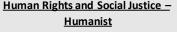
Half Term 5: Tier 3 Vocabulary				
#	Key word	Definition		
1	direct p.d.	A potential difference (p.d.) which does not change direction.		
2	alternating p.d.	A potential difference (p.d.) which continually changes direction from positive to negative.		
3	National Grid	The series of cables which transfer electricity from where it is generated (e.g. power stations) to consumers (e.g. factories and homes).		
4	transformer	A device which increases (steps up) or decreases (steps down) the supplied potential difference.		
5	mains frequency	The number of times the mains potential difference changes direction each second (50 times – a frequency of 50 hertz).		
6	double insulated	An appliance with no external metal parts and which does not need an earth wire.		
7	earth wire	A safety wire which provides a low resistance pathway for current to flow to the Earth, if a live wire touches the external metal parts of an electrical appliance.		
8	fuse	A component which melts if too much current flows, breaking the circuit. It acts as a safety device in a plugs.		

Notes:

Knowledge Goals: PRE – Living Our Best Lives

Human Rights and Social Justice - Christianity

- All people are children of God
- 'All made in the image of God'
- Agape selfless and unconditional love and how Christians should treat every human
- Follow the example set by Jesus who himself campaigned for social justice
- Many Christian charities follow the principles of agape 'Love one another.'
- Christians should take a stand against unfairness and injustice
- Follow the example of Martin Luther King Jnr and Oscar Romero



- Humanists oppose racism, s exism, torture and persecution
- It is up to the individual to make a fair and just society
- Every human life has dignity
- Humanists were amongst the founders of the UN and they support many human rights organisations

Amnesty International – work to campaign for human rights worldwide They use non-violent protest. Are against death penalty

Human Rights and Social Justice - Islam

- Muslims are expected to oppose injustice and oppression-judged on this on Judgement day
- The Qur'an and hadith says that equality is really important "equal as the teeth on a comb."
- Humans have a duty to create a just and fair society. Every human has dignity within Islam – given by Allah
- "Whoever kills one person, it is like they have killed all of humanity. Whoever saves on, it is as if he has saved all of humanity" Qur'an 5:32
- Even criminals should not be mistreated as all deserve dignity and respect.
- The Ummah shows the bond of all Muslims in the world to care for all
- Charity encouraged-zakah and Sadaqah

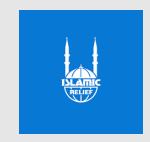
Christian Aid

- Christian charity that helps anyone in need in 60 countries
- Aims to stop poverty
- Projects, campaigns and fairtrade activities
- Christian Aid Week fundraising in UK



Islamic Relief

- Is lamic charity that helps anyone in need
- Aims to feed the poor and respondin disasters
- Emergency aid, sponsor orphans.
- Zakah-main source of funds



Martin Luther King Jnr

- Baptist minister who fought racism and discrimination in the US
- Started the Civil Rights movement.
- Non-violent protest. Speeches. Marches.
- "Turn the other cheek" "all one in Christ"
 'do not seek revenge'

Malala Yusuf

- Is lamic human rights campaigner
- Wanted girls in the Swat Valley in Pakistan to have equal access to school as boys
- Used her blog and spoke to the media
- "show forgiveness and speak for justice."
- Shot by the Taliban in the head 2012 (survived)



Oscar Romero

- Born in El Salvador in 1917. Archbishop in 1977
- Spoke out against corruption of the government and the rich. Radio.
- Murdered in the chapel where he was performing mass in 1980.
- We are all 'one in Christ' and should be treated fairly.

Prejudice and Discrimination - Christianity

- All humans created equal "in the image of God"
- Moses told to "not deprive the foreigner of justice" treat refugees and immigrants well
- Jesus spent most of his time helping the outcasts of society – women, prostitutes, beggars, lepers
- "There is neither Jew, nor gentile, male or female, for you are all one in Christ." Bible
- Racism is wrong Story of the Good Samaritan
- Work of Martin Luther King Jnr

Prejudice and Discrimination -Islam

- Allah made humans by sending the angels to get different coloured soil – shows diversity
- Prophet Muhammad made Bilal, a freed black slave, the first Muezzin (man who says the call to prayer).
- The last sermon by Muhammad challenged racism "a white person is not better than a black person, nor a black person better than a white."
- The Christian/Muslim Forum works to end racism and promote interfaith dialogue.

Liberation Theology Jesus devoted his life to helping to liberate (free) people from unjust conditions.

The belief that Christians should stand up against unfair governments — even when facing death.

E.g. MLK and Malala.

Freedom of religious expression

France has banned all religious symbols from schools. Is this right? Should religious believers be allowed to wear the symbols of their faith? Crosses? Hijabs? Niqabs (face veils)? Religious people spread their faith by:

Taking partin a **mission** to spread their religion to other countries Evangelising – trying to convert someone to their faith Leaflets (tracts), door-to-door visits, preaching in public places.

Knowledge Goals: PRE – Living Our Best Lives

	Term 3: Tier 3 Vocabulary				
	#	Key word	Key word Definition		
	1	Censorship	Suppressing and limiting access to materials considered to be obscene, offensive or a threat to security.		
	2	Discrimination	Act of treating groups of people or individuals differently based on prejudice.		
3		Extremism	Believing in and supporting ideas that are very far from what most people consider correct or reasonable.		
	4	Human Rights	The basic entitlement of all human beings, simply because they are human. The Human Declaration of Human Rights set these out.		
5		Personal conviction	Something a person strongly feels or believes in e.g. racism is wrong		
		Relative poverty	A standard of poverty measured in relation to the standards of a society in which a person lives, for example, living on less than the average income.		
7		Absolute poverty	An acute state of deprivation, where a person cannot access the most basic of human needs such as shelter and food.		
	8	Social Justice	Promoting a fair society by challenging injustice and valuing diversity. Ensuring that everyone has access to provisions, equal		

Notes:

Knowledge Goals: Spanish

	1 1		Jugo (
¿Qué aplicaciones usas? Uso para subir y ver videos compartir fotos pasar el tiempo organizar las salidas con mis amigos contactar con mi familia descargar música chatear a prender idiomas controlar mi actividad física publicar mensajes Es / No es cómodo/a	What apps do you use? I use (in order) to upload and watch videos share photos pass the time organise to go out with my friends contact my family download music chat learn languages manitar my physical activity post messages It is / It isn't handy / canvenient	divertido/a peligroso/a práctico/a rápido/a fácil de usar popular útil gratis adictivo/a mi red social preferida una pérdida de tiempo la mejor app Estoy enganchado/a a	fun dangerous practical quick easy to use popular useful free addictive my favourite social network a waste of time the best app I am hooked on
¿Qué estás haciendo? Estoy tocando la guitarra hablando por teléfono jugando con mi móvil comiendo pizza tomando el sol esperando a viendo una peli	What are you doing? I am playing the guitar talking on the phone playing on my phone eating pizza sunbathing waiting for watching a film	leyendo durmiendo escribiendo pensando en salir actualizando mi página de Facebook editando mis fotos	reading sleeping writing thinking of going out updating my Facebook page editing my photos
¿Quieres salir conmigo? No puedo porque está lloviendo tengo que visitar a (mi abuela) cuidar a (mi hermano) quiero subir mis fotos	Do you want to go out with me? I can't because it's raining I have to visit (my grandmather) look after (my brother) I want to upload my photos	quedarme en casa dar una vuelta ¡Qué pena! ¿A qué hora quedamos? ¿Dónde quedamos? En la plaza Mayor. Vale	to stay of home to go for a wander What a shame! What time shall we meet? Where shall we meet? In the main square. OK
¿Qué te gusta leer? los tebeos / los cómics los periódicos las revistas las novelas de ciencia ficción	What do you like reading? comics newspapers magazines science fiction navels	las novelas de amor las historias de vampiros las biografías	romantic novels vompire stories biographies
¿Con qué frecuencia lees? todos los dias a menudo de vez en cuando una vez a la semana dos veces al mes	How often do you read? every day often from time to time once a week twice a manth	una vez al año nunca un ratón de biblioteca un(a) fan del manga	once a year never a bookworm a manga fan
¿Qué es mejor, e-books o libros en papel? Los e-books cuestan menos que los libros tradicionales son más transportables ecológicos cansan la vista	What is better, e-books or paper books? E-books cost less than traditional books are more portable environmentally-friendly the your eves	Las páginas no tienen números una ventaja una desventaja Leer en formato digital protege el planeta es más barato	The pages don't have numbers an advantage a disadvantage Reading in digital format protects the planet is cheaper

depende de...

la energia eléctrica

cansan la vista

usan bateria

tire your eyes

use battery

La familia el padre la madre el padrastro la madrastra el hermano la hermana el hermanastro la hermanastro la hermanastra el abuelo la abuela el tio la tía	Family father mother step-father step-mother brother sister step-brother step-sister grandfather grandmother uncle aunt	el primo la prima el sobrino la sobrina el marido la mujer el hijo la hija el nieto la nieta mayor / menor	male cousin female cousin nephew niece husband wife son daughter grandson granddaughter older / younger
:Cómo es?	What is he/she like?	Tiene	He/She has

¿Cómo es?	What is he/she like?	Tiene	He/She has
Tiene los ojos	He/She has eyes	pecas	freckles
azules	blue	Lleva	He/She wears
verdes	green	gafas	glasses
marrones	brown	barba	a beard
grises	grey	bigote	a moustache
grandes	big	Es	He/She is
pequeños	small	alto/a	talí
Tiene el pelo	He/She has hair	bajo/a	short
moreno	dark-brown	delgado/a	slim
castaño	mld-brown, chestnut	gordito/a	chubby
rubio	blond	gordo/a	fat
rojo	red	calvo/a	bald
corto	short	moreno/a	dark-haired
largo	long	rubio/a	fair-haired
rizado	curly	castaño/a	brown-haired
liso	straight	pelirrojo/a	red-haired
ondulado	wavy	No es ni gordo/a ni delgado/a	He/She is neither fat nor thin

¿Cómo es de carácter? Como persona, es optimista pesimista trabajador(a) perezoso/a hablador(a)	What is he/she like as a person? As a person, he/she is optimistic pessimistic hard-working lazy chatty	tímido/a divertido/a serio/a gracioso/a generoso/a fiel	shy fun seriaus funny generous loyal	
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tu familia y tus amigos?	with your family and friends?		
levo bien con	I get on well with	Me divierto con	I have a good time with
ne llevo bien con	I don't get on well with	Me pelen con	Largue with

o me llevo bien con	I don't get on well with	Me peleo con	I argue with	

onio es un ouen aniigo /	what is a good friend tine!
a buena amiga?	
buen amigo / una buena	A good friend is someone who.
mipa es alguien que	11731, 13

¿Te li

te ayuda te apoya

te acepta

depends on...

electricity

te conoce bien

ood friend is someone who	te hace reir	makes you laugh
	te dice la verdad	tells you the truth
elps you	Conocí a	1 met
upports you	mi mejor amigo/a	my best friend
nows you well	hace (cuatro) años	(four) years ago
ccepts you	tenemos mucho en común	we have a lot in common

Knowledge Goals: Spanish

	Half Term 5: Tier 3 Vocabulary		
1	SSC	Symbol-Sound Correspondence: the sound that letters or combination of letters make in a language	
2	cognate	A cognate is a word which looks the same or very similar to a word in English.	
3	connective	A word which links sentences together. E.g.: y, también, pero, porque, sin embargo	
4	Opinion verb/ phrase	A verb or a phrase which you use to give an opinion: me gusta, me gusta mucho, prefiero, no me gusta nada, odio	
5	Justifier	A way of giving a reason, a justification of an opinion: me gusta(n) porque es/son + qualifier + adjective	
6	qualifier	A word which changes the intensity of an adjective: realmente, muy, bastante, un poco	
7	adjective	A describing word: divertido, intersante, importante, grande etc	
8	Time phrase	A phrase used to say when something is happening: normalmente, los lunes, el fin de semana, el año pasado	
9	Tenses	Past, present, future, conditional	
10	Infinitive	A verb as you find it in the dictionary: to play, to eat. This is the form of the verb when it is not used with a pronoun (I, he, she)	

Notes:
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Knowledge Goals: Textiles

Knowledge Goals: Textiles

	Half Term 5: Tier 3 Vocabulary		
#	Key word	Definition	
1			
2			
3			
4			
5			
6			
7			

Notes:
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