

Year 9 Autumn Term Knowledge organiser

Name:	
Tutor:	

Tutor group:

Tutor room:

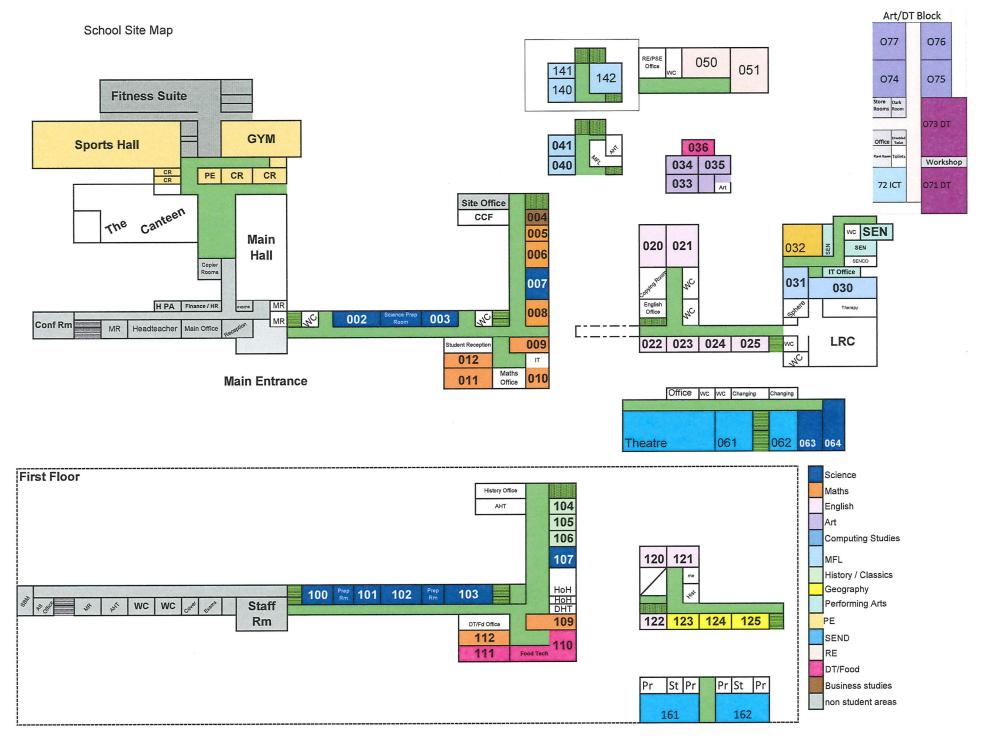
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Key School information

Times of the school day		
8.00am – 8.30am Breakfast in canteen		
8.35am	Pre-lesson 1 bell	
8.40am-9.30am	Lesson 1	
9.30am-10.20am	Lesson 2	
10.20am-10.40am	Morning break	
10.40am-11.30am	Lesson 3	
11.30am-12.20pm	Lesson 4	
12.20pm-1.00pm	Lunch	
1.00pm-1.20pm	Tutor time / Assembly	
1.20pm-2.10pm	Lesson 5	
2.10pm-3.00pm	Lesson 6	
3.00pm-4.00pm	Extended learning and	
	extra-curricular clubs	

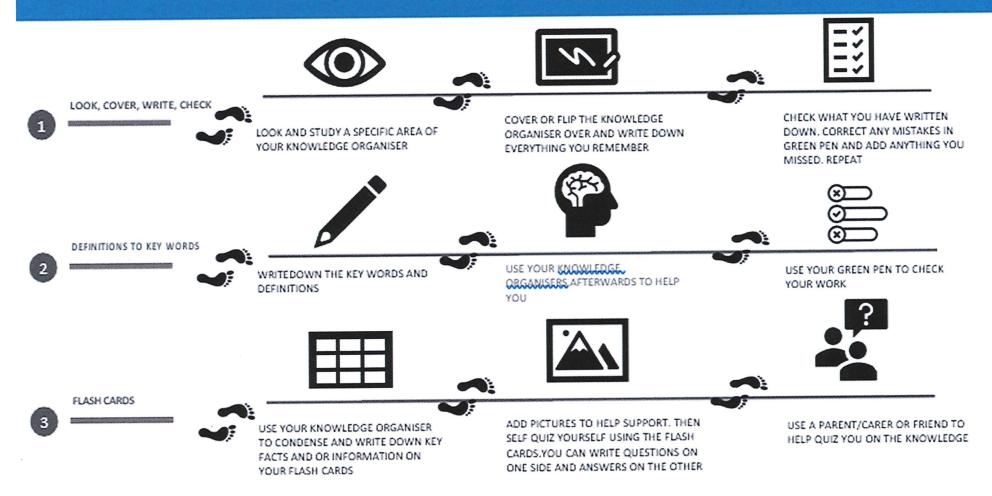
Term dates		
Autumn term Y7 : 04/09/23 to 15/12/23		
	Y8-11 : 05/09/23 to 15/12/23	
Half term	23/10/23 to 27/10/23	
Spring term	03/01/24 to 28/03/24	
Half term	12/02/24 to 16/02/24	
Summer term	15/04/24 to 19/07/24	
Half term	27/05/24 to 31/05/24	

Important IT details	
Username	
Password reminder	



How to use Knowledge Organisers – a step by step guide

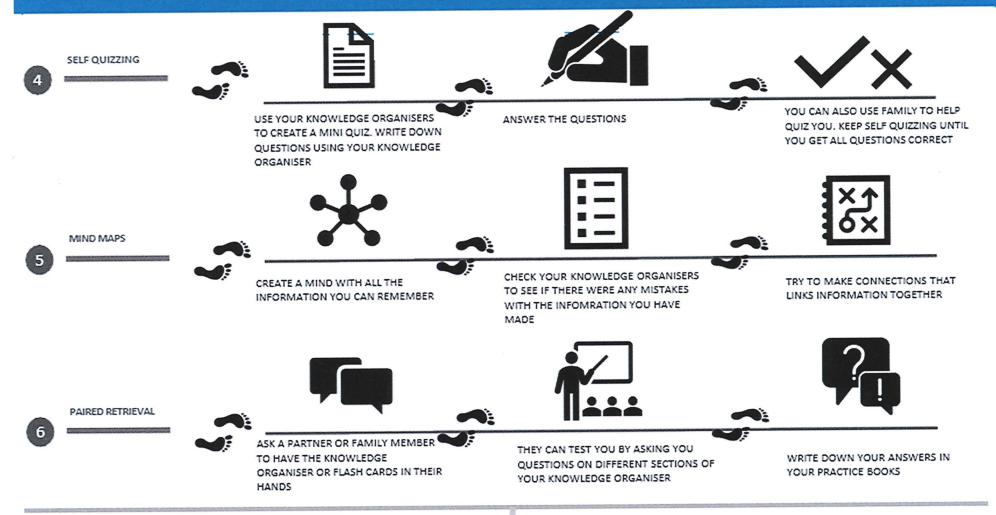
Knowledge organisers contain critical knowledge you must know. This will help you recap, revisit and revise what you have learnt in lessons in order to remember this knowledge for the long term. You must have this for every lesson – it is part of your equipment.



KNOWLEDGE ORGANISERS ARE ALSO AVAILABLE ON THE SCHOOL'S WEBSITE: https://www.ashmanorschool.com/

How to use Knowledge Organisers – a step by step guide

Knowledge organisers contain critical knowledge you must know. This will help you recap, revisit and revise what you have learnt in lessons in order to remember this knowledge for the long term. You must have this for every lesson – it is part of your equipment.



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Art

Artist research

I have done the following:

- ✓ Written an opinion minimum 4 sentences.
- ✓ Written facts about the artist– minimum of 3.
- ✓ Included a bold title with appropriate font.
- ✓ Included images of the artist's work - minimum of 2.
- ✓ Used appropriate colours in the background, title and writing.
- ✓ Considered the layout of my page before sticking it down.

Key words:

Secondary source - working from images, photos, video, internet

Primary source - working from life - the object, person, place or event is in front of you

Water Colour and Coloured pencil



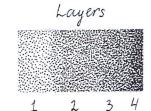
LAYERING
The simplest approach
to blending rolors
tagether by layening
one case directly over
tine other use light
pressure and genly each
layer smoothly.



Mixed Media

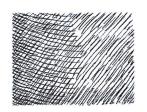
Mono printing

Apply the paper, face down, onto the inked surface and draw out your design on the back of the paper whilst it is on the ink. The pressure will lift ink from the table to leave an image of what you have drawn on your paper.



Printing ink

Roller



Mark making can be used to add texture to your work. Or it can be used with pen/pencil as an alternative to tonal pencil drawing.



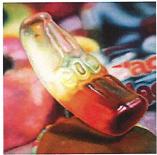
Tonal shading: creating a 3D effect by adding contrast-light and dark with pencil pressure



Sarah Graham Born 1977

Contemporary British Artist. Large scale acrylic paintings based on childhood treats.





COMPUTING YEAR 9 AUTUMN 1 INTRODUCTION TO PYTHON

SUMMARY

- ➤ Programming is writing computer code to create a program, in order to solve a problem. Programs consist of a series of instructions to tell a computer exactly what to do and how to do it.
- An algorithm is a set of instructions that describes how to get something done. It is crucial that the steps in an algorithm are sequenced and performed in the right order otherwise the algorithm will not work correctly. Algorithms can be designed using pseudocode and flow charts. They are written using statements and expressions. There are three basic building blocks (constructs) to use when designing algorithms: sequencing, selection and iteration. We create programs to implement algorithms. Algorithms consist of steps, where programs consist of statements.
- ➤ In programming, iteration is often referred to as 'looping', because when a program iterates it 'loops' to an earlier step. It is implemented using FOR and WHILE statements. Selection is implemented in programming using IF statements.

VARIABLE

Computer programs use variables to store information.

Variables could be used to store the score in a game, the number of cars in a car park or the cost of items on a till. They work in a similar way to algebra, where a letter in your code can stand for a number.

SELECTION

Selection is a decision or question
At some point, a program may need to ask
a question because it has reached a step
where one or more options are available.
Depending on the answer given, the
program will follow a certain step and
ignore the others

SEQUENCING

Sequencing is the specific order in which instructions are performed in an algorithm.

Algorithms consist of instructions that are carried out (performed) one after another.

ITERATION

Iteration is the process of repeating steps.

Iteration allows us to simplify our algorithm by stating that we will repeat certain steps until told otherwise. This makes designing algorithms quicker and simpler because they don't have to include lots of unnecessary steps.

KEY VOCABULARY		
Algorithm	A sequence of logical instructions for carrying out a task. In computing, algorithms are needed to design computer programs.	
Flowchart	A diagram that shows a process, made up of boxes representing steps, decision, inputs and outputs.	
Instruction	A single action that can be performed by a computer processor	
Programming	The process of writing computer software.	
Programming language	A language used by a programmer to write a piece of software. There are many programming languages.	
Pseudocode	A method of writing up a set of instructions for a computer program using plain English. This is a good way of planning a program before coding	
Sequence	The specific order in which instructions are performed in an algorithm.	
Variable	In a computer program, this is a memory location where values are stored.	

Algorithms can be represented as pseudocode or a flowchart, and programming is the translation of these into a computer program. **FLOWCHART PSEUDOCODE** Entering a room How to make a cup of tea Start 1. Put teabag in cup Enter room 2. Fill kettle 3. Boil kettle Is it dark 4. Pour water into cup 5. Add milk Switch light on 6. Stir 7. Give cup of tea to person Sit down End

COMPUTING YEAR 9 AUTUMN 1 MICROSOFT OFFICE

SUMMARY

- > Presentation Software such as PowerPoint used for giving simple explanations to a large audience
- > Word Processing Software such as Microsoft Word used for writing reports and essays
- > Spreadsheet Software such as Microsoft Excel are used for organising and manipulating data and present complex data simply
- > Desktop Publishing such as Microsoft Publisher used to create documents like leaflets, brochures and newsletters
- > Database software such as Microsoft Access is used to hold large quantities of data in an organised way

RELATIONAL DATABASE

A relational database has more than one table and the tables are linked using key fields. For example, a library database could have three tables: Customer - when a customer joins the library a record is created. It stores their details such as their first name and surname and includes a unique Customer ID. Book - each book in the library has a record. It stores details about the book, such as the author and title and includes a unique book ID. Lending - when a customer borrows a book, the lending table stores the customer's unique ID and the book's unique ID in a record. The record could also include additional information such as when the book was borrowed and when it's due back.

VALIDATION

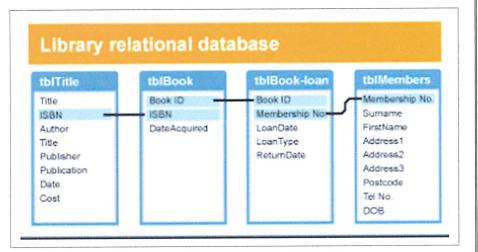
For example, a secondary school student is likely to be aged between 11 and 16. The computer can be programmed only to accept numbers between 11 and 16. This is a range check.

TYPES OF VALIDATION

There are a number of validation types that can be used to check the data that is being entered.

Lookup Format Check Range Check Presence Check Spell Check Length Check

KEY VOCABULARY		
House Style	A set of rules, which state how all documents and written communication, should be formatted. It includes- the colours to be used the font style and size	
Strapline	A heading or caption	
Target Audience	The group at which your product is aimed	
Validation	Checking input data is sensible and in the right format	



Dance: Performance Skills Knowledge Organiser

PHYSICAL SKILLS

Posture
Balance
Coordination
Flexibility
Strength
Stamina
Extension

NAME IT	<u>EXAMPLE</u>	EXPLAIN IT
At the start of the dance, I needed good posture.	This was when I stood upstage facing the front and performed slow walks toward the audience with an upright stance.	My posture was effective here because it helps to show that I am confident in my performance.

NAME IT	<u>EXAMPLE</u>	EXPLAIN IT
4		

TECHNICAL SKILLS

Action Space Dynamics Relationships Timing

NAME IT	<u>EXAMPLE</u>	EXPLAIN IT
I needed to be able to transfer my weight correctly as I travelled.	This was when I extended my leg to the side and fell into a plie and ran in a large semi circle upstage	Being able to move across a wide area of the stage created a strong performance.

NAME IT	<u>EXAMPLE</u>	EXPLAIN IT

Dance: Performance Skills Knowledge Organiser

EXPRESSIVE SKILLS

Projection
Focus
Spatial
awareness
Facial
expression
Sensitivity to
other dancers

NAME IT	EXAMPLE	EXPLAIN IT
Musicality is an important expressive skill I used.	In the chorus section of the music, there was strong accents.	I wanted to emphasise these through my musicality in order to make my performance exciting to the audience.

NAME IT	<u>EXAMPLE</u>	EXPLAIN IT

MENTAL SKILLS

PREP FOR PERFORMANCE

Systematic repetition Mental rehearsal Rehearsal discipline Response to feedback

MENTAL SKILLS

DURING PERFORMANCE

Movement memory Commitment Concentration Confidence

NAME IT	EXAMPLE	EXPLAIN IT
I used systematic repetition when rehearsing my performance in order to improve my movement memory.	I repeated each section over and over again in rehearsals.	This was so in the performance I would be able to remember the dance and perform to the best of my ability.

NAME IT	<u>EXAMPLE</u>	EXPLAIN IT

Drama: Performing from a Text Knowledge Organiser

Stimulus

CONTEXT:

Apartheid From 1948-1994, the South African government enforced apartheid. This meant that black and white people were forced to live separately, go to different schools and black people could not vote. White people got privileges and ruled the country. However, this all came to an end when black people finally got the right to vote and elected Nelson Mandela as president. He had spent 27 years in prison for fighting for black people's rights.

MALORIE BLACKMAN:

Blackman was the Children's Laureate from 2013 to 2015. Blackman's motivation for writing Noughts and Crosses: 'I wanted to turn society as we know it on its head in my story, with new names for the major divisions in society. I wanted to see this new world through the eyes of the main two characters, Callum (a nought) and Sephy (a Cross). Race and racism are emotive issues that most people are loathe to discuss, but I think they should be discussed, no matter how painful.'



Practitioner Information Brecht Created Epic Theatre where his main aim was to use Verfremdungseffekt. The aim is to distance the audience from the action to stop them from becoming sympathetic

with the characters and storyline.

Conventions / Form / Startegies	
Episodic Structure	
Political Message	
Direct Address / Breaking the Fourth Wall	
Speaking Stage Directions	
Multi-roling	
Placards	
Music / Songs	
Tickle and Slap	

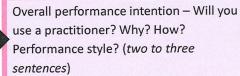
Skills

Performer	Designer
Vocal skills pitch tone pace/tempo pause accent volume clarity Physical skills gesture stillness fluency expression posture facial expressions eye contact movement Space proxemics relationships positioned blocking interaction (set / audience)	Sound design music sound effects live sounds recorded sounds volume reverb/echo sound sources amplification including use of microphones positioning of sound sources on stage Set design (including props) choice of stage backdrop/cyclorama set dressing props furniture colour use of space entrances and exits sight lines

Drama: Performing from a Text Knowledge Organiser

What themes are shown throughout your chosen play? Explain why you chose to perform the sections you did -How did you edit them? Do they represent key moments in the plot or developments of character? (Approximately 75 words on this)

150 word Artistic Intention



How do you intend to perform your character (main character you play if you multi-role) and why - remember to include as many key drama and performance terms here as possible (Approximately 75 words here)

Sentence Starters

Noughts and crosses explores the themes of...

Within our chosen extracts, the theme of... is shown when... and...

The extracts we have chosen provides us with the opportunity to show...

This is important because...

Ambiguous: Open to more than one interpretation; not having one obvious meaning. Not clear or decided.	Empathy: The ability to share someone else's feelings or experiences by imagining what it would be like to be in that person's situation.
Relentless: Continuing in a severe or extreme way.	Victimised: To treat someone in an intentionally unfair way, often because of their race, sex or beliefs.
Equality/inequality Equality: The right of different groups of people to have a similar social position and receive the same treatment.	Segregation: The act of keeping one group of people apart from another and treating them differently, especially because of race, sex, or religion. Ignorance Lack of knowledge, understanding, or information about something.
Justice/injustice Justice: fairness in the way people are dealt with.	Prejudice: An unfair and unreasonable opinion or feeling, especially when formed without enough thought or knowledge.
Retaliation: The act of hurting someone or doing something harmful to someone because they have done or said something harmful to you.	Rebellious: If a group of people are rebellious, they oppose the ideas of the people in authority and plan to change the system, often using force.

Sentence Starters Sentence Starters Performer We will perform the extracts in the style of...

I intend to create a character which We will use... when...

In the first extract, my character... Our intention is to highlight...

> Through the use of... I will demonstrate my character's...

I will show may character's status by...

Vocally, I will demonstrate my character's emotions in this extract by ...

My body language will be ... and this is intended to demonstrate...

In contrast, throughout the second extract, I will perform my role by...

Designer SOUND DESIGNER Key Vocabulary: Diegetic, Non-diegetic, Band, Sound effects, Found Sound, Recorded, Live, Silence. SET DESIGNER Key Vocabulary: Flats. Levels, Location, Symbolic, Realistic, Scene change, Texture, Materials, Props Through set/sound design, I intend to create a[n]... mood and atmosphere. The stage type / music I chose was... because... Considering semiotics, I have decided to... and this is

intended to symbolise...

Autumn 1 English

GOTHIC LITERATURE

year 9

Gothic Conventions

- Abandoned houses supposedly uninhabited
- Isolated, bleak settings
- Majority of the story takes place at night/in darkness Supernatural entity that wants revenge
- Death of a character or those close to a character
 Frequent use of the colour black
- Rational protagonist who doesn't believe in the supernatural
- Presence of evil/religious imagery
- Inhuman or monstrous antagonist

Stylistic Features and Methods

- Pathetic Fallacy When the weather reflects the tone/mood of the scene.
- Protagonist main character.
- Antagonist The villain of the story.
- Epistolary Narrative A story told in a series of letters.
- Motif A dominant or recurring idea.
- Unreliable narrator where the narrator's perspective is limited to their view only.
- Characterisation construction of a fictional character.

Gothic Quotes

"I heard many things in hell. How then am I mad?"

The Tell-Tale Heart

"It was on a dreary night of November that I beheld the accomplishment of my toils"

Frankenstein

of her expression began to fill me with fear" The Woman Black

"the dreadfulness

Key Themes:

The Supernatural - The Unknown - Mystery - Fear - Isolation
- Monsters - Evil - Death/Murder - Darkness

Origins of Gothic Literature

The term 'Gothic' was first coined in 1764 by English author Horace Walpole in his novel, The Castle of Otranto, which he subtitled 'A Gothic Story'.

The novel was set in a haunted castle where the protagonist is plagued by supernatural occurrences.

Walpole used the word 'Gothic' because it refers to medieval buildings like castles and churches, where a lot of Gothic fiction is set.

Gothic Literature became immensely popular in England and Germany during the 18th and 19th century, with many other genres borrowing its conventions.

Gothic fiction is all about creating terror in the reader.

Gothic Texts

'Dracula' by Bram Stoker

'Frankenstein' by Mary Shelley

'The Red Room' by H.G. Wells

'The Black Cat' by Edgar Allan Poe

'Tell Tale Heart' by Edgar Allan Poe

'The Hound of The Baskervilles' by Arthur Conan Doyle

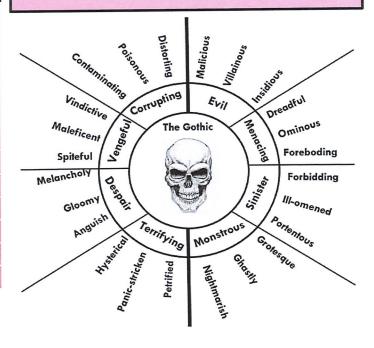
'The Woman in Black' by Susan Hill

'Coraline' by Neil Gaiman

'Click Clack the Rattlebag' by Neil Gaiman

'The Haunting of Hill House' by Shirley Jackson

'The Stranger Diaries' by Elly Griffiths



Paragraphing:

Always start a new paragraph whenever you change:

- Time
- Place
- Topic
- Person

Remember TiPToP

Autumn

Enoylish Language Year 9

Writing: composing a text for a purpose

Sentence types:

Declarative - make statements (most likely to be fact or opinion statements)

Exclamative - express emotion (most likely to end with an exclamation mark)

Imperative - give commands (include imperative verbs)

Interrogative - ask questions (end with a question mark)

Punctuation

- . Full stop ends a sentence
- , comma separates ideas
- : Colon introduces a list
- ; semi-colon separates clauses
- ! Exclamation mark adds emphasis
- ? Question mark interrogative
- " " Speech marks indicates speech
- Hyphen shows connection
- ... Ellipsis creates mystery/intrigue

Word bank

Ways to start sentences

Start your sentence with an 'ed' word: Alarmed, Angered, Abandoned, Astonished, Bewildered
Start your sentence with an 'ing' word: Hiding Jumping Knowing Riding Praying Thinking Stopping
Start your sentence with an adverb: Accidentally, Bravely, Cheerfully, Defiantly, Fortunately, Menacingly
Adverbial phrase for when something happens: After running up the hill, Before charging into battle,
Adverbial phrase for how something happens: With her feet squelching in the mud, Jane trudged...
Adverbial phrase for where something happens. Around Behind Beneath Beside In On Over Past
Start with a simile. (A simile compares two things): As dark as... As busy as... As clear as...

A drop in clause adds in extra information: The dragon, who had fearsome talons, flew off into the sky. The brave knight, who was wearing a coat of armour, strode through the castle doors.

Word types

Noun – Person, place, thing
Pronoun – In place of a noun 'you'
Verb – an action or state

Adjective – describes a noun

Adverb – describes a verb

Preposition – shows the relationship between objects

Determiner – used in front of a noun to show the type 'the' 'a'

Conjunctions - joining words

Top tips

- Remember that all sentences and names start with a capital letter.
- Always write in complete sentences.
- Include descriptive detail to set the scene for the reader.
- Use a variety of sentence starters and vocabulary.
- Write with a range of punctuation.

Structuring a story (Todorov's theory of equilibrium) Recognition of A new order is established Balance/routine the disruption established Disruption Repair

Common Errors

- There/their/they're there= place, their=belongs, they're=they are.
- Which/witch which=choice, witch=supernatural
- To/too/two to=the direction, too=a lot, two=2

Autumn 2

English Literature



year 9

Characters



Abigail Williams: the 17-yearold niece of Reverend Parris. She is an orphan and a former servant to the Proctors

Reverend Parris: the minister of Salem, Betty's father, and Abigail's uncle. Tituba is his slave.



John Proctor: a farmer, and the husband of Elizabeth. He is well respected in the local community and values his reputation.

Rev John Hale: minister in the nearby Massachusetts town of Beverly, and an expert in identifying witchcraft.



Why did Miller write the play?

- To interest the audience about witchcraft and the McCarthy trials
- To highlight how both hysteria and intolerance can lead people to becoming illogical and inhumane towards others
- To emphasise and warn the audience of the dangers of mass hysteria that parallels the McCarthy trials
- To remind us that fear can cause us to commit unusual actions but we must rise above it and think carefully about the impacts and consequences

Themes









supernatural

Isolation

Key vocabulary:

- Protagonist the main character of a narrative
- Antagonist person who actively opposes or is hostile to someone or something
- Hysteria- Exaggerated or uncontrollable emotion or excitement.
- Integrity- The quality of being honest and having strong moral principles.
- Patriarchy- A system of society or government in which men hold the power and women are largely excluded from it.
- Witch-hunt -A search for people labelled "witches" or evidence of witchcraft, often involving moral panic or mass hysteria.
- Persecution-Hostility and ill-treatment, especially because of race or political or religious beliefs; oppression.

Context:

The play was first performed in 1953 at the height of the McCarthy trials. Considered an attack on the anti-Communist McCarthyism.

The Salem Witch Trials (1692)

The play is a fictionalised account of the famous 17th Century witch trials.

Hysteria began when a group of girls fell ill and it could not be explained why.

In a Puritan society, anything that could not be explained was said to be the work of the devil.

Villagers then began to accuse each other of witchcraft, which then extended to people with grudges and jealousies.

Many made accusations as revenge for petty things. Within a few weeks, dozens of people were in jail. By the end of the trials, twenty innocent men and women were hanged and hundreds were convicted.

McCarthyism (1947-1956)

An American Senator called Joseph McCarthy rose to power by stirring up the nation into becoming terrified of Communists.

Stemmed from the fear and tension between the U.S. and the Soviet Union during The Cold War.

Anyone named as a Communist was placed on "Blacklists" that prevented them from getting work.

The McCarthy hearings (also known as McCarthy trials) ran from April to June 1954.

Many non-Communists confessed to being Communists and falsely named others as Communists in order to escape punishment.

Key Quotes:

"Because it is my name! Because I cannot have another in my life!"

"Until an hour before the Devil fell, God thought him beautiful in Heaven."

"He have his goodness now. God forbid I take it from him."

"I look for John Proctor that took me from my sleep and put knowledge in my heart!"

"Life, woman, life is God's most precious gift; no principle, however glorious, may justify the taking of it."

"He have his aoodness now. God forbid I take it from him!"

Autumn

Personal response, fully

Well-chosen references to

support a range of points

Understanding of context

Convincing explanation of

the relationship between

the text and context

related to the text

Critical style and

interpretation

English Literature

Evaluation: making of a judgment about the amount, number, or value of something

Question style: 'Explore the importance of ... in the novel' OR 'In what ways is ...significant in the novel.'

The second secon		
What?	What is the writer trying to tell us about the character/theme/setting?	The character is presented as Poe presents XXX as and
How?	How do they use language/structure to do this? How do key words/phrases show this?	The adjectives/noun/verb/phrase/image This suggests/implies/indicates/demonstrates
Why?	Why are they doing this? Why did they choose that language?	The writer wants us to understand the significance of It can be seen that/it might be thought that/some readers might think

The reader feels: empathy, sympathy, resentment, indignation, respect, disapproval, horrified, anticipation, admiration, relief, apprehension, critical, disappointment, anxious, disillusioned, impatient.

Adverb

Inherently Intrinsically Innately Naturally [in a way that is characteristic or natural

Significantly Crucially Notablu Particularly in a way that is nportant/ needs to be known]

Undoubtedly Undenlablu Unquestionably Indubitably (in a way that is true/ can't be argued]

Arguably Debatably Probably Potentially Possibly (in a way that could be true]

resentful disgruntled discontented spiteful exasperated displeased

crafted precise skillful adept expert masterful

outraged aggrieved incensed infuriated enraged indignant

optimistic hopeful jovial amiable affable genial exuberant

adjective

harsh grim ominous shocking gruesome gloomy

Expresses a clear evaluation of the writer's ideas

Demonstrates a deeper understanding of the ideas

Terminology:

- 1. Framed narrative a story within a story
- 2. First-person narrative writing from an individual view 'l'
- 3. Unreliable narrator untrustworthy storyteller
- 4. Pastiche an imitation of
- 5. Semantic field a set of words related in meaning
- 6. Pathetic fallacy when the weather reflects the mood
- 7. Sibilance repetition of the 's' sound - creates a sense of evil
- 8. Gothic Genre of writing that includes: isolation, supernatural and fear.
- 9. Personification giving human qualities to an inanimate object.
- 10. Symbolism images or items that represent a theme or idea

ASH MANOR SCHOOL LRC

BOOKS I'VE READ

STAR RATING





















Gothic Tales Books don't just go with you, they take you where you've never been

#READINGCHALLENGE

ASH MANOR SCHOOL LRC



Tracker

BOOKS I'VE READ

STAR RATING























Books don't just go with you, they take you where you've never been

#READINGCHALLENGE

Food and Nutrition

Carbohydrates

Carbohydrates are one of the 3 MACRONUTRIENTS.

They have 2 functions for our diet:

- 1. They provide us with ENERGY
- 2. They provide us with FIBRE

There are two groups of carbohydrates:

Sugars

Complex Carbohydrates

Monosaccharides Polysaccharides

Disaccharides

50% of our daily diet should be made up of carbohydrates each day (preferably complex carbs)

Deficiency = Weight loss, lack of energy, weakness. **Excess** = Obesity, Type 2 Diabetes, tooth decay.

Protein

Protein is one of the 3 MACRONUTRIENTS. They have 3 functions for our diet:

- 1. They help the body to GROW.
- 2. They help the body to REPAIR itself.
- 3. They provide us with ENERGY.

Proteins are made up 'building blocks' called AMINO ACIDS.

Some protein foods contain all of these amino acids (HBV); Meat, fish, eggs, cheese, dairy, soya.

Some protein foods do not contain all amino acids (LBV): Beans, seeds, nuts, cereals.

Deficiency = Lack of growth, poor skin and nails Excess = Liver and kidneys could be under pressure

Fats

Fats are one of the 3 MACRONUTRIENTS. They have 4 functions for our diet:

- 1. They provide us with ENERGY.
- 2. They help to INSULATE the body.
- 3. They PROTECT bones & kidneys
- 4. They give fat soluble vitamins (A,D,E & K)

There are two main types of fat:

Saturated Fat

These fats usually come from ANIMAL

sources. e.g. meat, butter, lard **Unsaturated Fat**

These fats usually come from PLANT sources e.g. olive oil, vegetable oil, nuts, avocado



Deficiency = Lack of energy, feeling of cold, no store for fat soluble vitamins Excess = Obesity, too much saturated fat can lead to coronary heart disease (CHD)

The Eatwell Guide

The Eatwell Guide is a recommendation by the government to help us follow a healthy diet. It shows the proportions of how much of each food group we need to eat each day to a achieve a well-balanced and healthy diet.

Planning balanced meals

Whenever you are planning meals for people, there are a few considerations to ask and think about:

- Likes and dislikes of foods
- Do they have food allergies or intolerances? (e.g. wheat or dairy)
- Do they follow a religious diet?
- Do they have a health condition?
- Do they need help in buying, preparing or cooking food?
- · What type of meal would suit their lifestyle? (e.g. are they active or not)
- How much time is available to cook the food?
- How much will the food cost?
- Which foods are available to buy?
- Are the foods in season?
- Is the meal for everyday or a special occasion?





The Eatwell guide recommends;

Sweet, salty and fatty foods such as crisps, chips, cakes and biscuits should be eaten less often and in small amounts!

Vitamins & Minerals

Vitamin A

Vitamins are found in a wide range of unprocessed plant and animal foods. This means they have not been cooked or had anything added to them.

If we are deficient (not getting enough) in certain vitamins and minerals we can become unwell.

Vitamin D

Fatigue, heart disease, high blood pressure & some cancers are just some of the problems that can occur.



Minerals

Calcium Iron Sodium lodine

Just like vitamins, minerals help your body grow, develop, and stay healthy.

The body uses minerals to perform many different functions from building strong bones to transmitting nerve impulses.

Some minerals are even used to make hormones or maintain a normal heartbeat.

Vitamin B Vitamin C

Vitamin E

Vitamin K

Food and Nutrition

Food poisoning

Food poisoning can be caused by:

- Bacteria, e.g. cross-contamination from unclean hands, dirty equipment, or bacteria already present in high risk foods (e.g. meat, fish, eggs, dairy).
- Physical contaminants, e.g. hair, plasters, packaging etc.
- Chemicals. E.g. cleaning chemicals such as washing up/sanitiser. Bacterial contamination is the most common cause of food poisoning. Micro-organisms occur naturally in and around vegetables, fruit, animals, people, water, soil and in the air.

Most bacteria are harmless but a small number can cause illness. Harmful bacteria are called **pathogenic** bacteria.

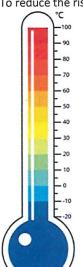
The process of food becoming unfit to eat through oxidation, contamination or growth of micro-organisms is known as food spoilage.



Please wash your hands after going to the toilet

Food Temperatures

To reduce the risk of food poisoning, good temperature control is vital.



- 100°C Water boils. All bacteria killed.
- 75°C High risk food (e.g. meat and fish) needs to reach this temperature for bacteria levels to be safe before eating.
- 5-63°C The DANGER ZONE. Harmful pathogenic bacteria can rapidly grow between these temperatures.
- 0-5°C Fridge temperature. Make sure foods are cool before putting into the fridge to stop going into the Danger zone
- -18°C Freezer temperature. Harmful bacteria is dormant. This means it hasn't been killed but cannot grow either.

Heat transfers create

different sensory properties to foods. E.g. Crunchy, soft, light etc. The three used when cooking are

CONDUCTION,
CONVECTION and
RADIATION.

Heat Transfers

Food is cooked for a variety of reasons.

High risk foods must be cooked properly to destroy the food poisoning bacteria (pathogens) they are likely to contain.

Some foods contain natural toxins (poisons) that would be harmful if the food was eaten raw.

Cooking destroys these toxins and makes the food safe to eat

CONVECTION is the heat transfer through gases and liquids.

When heating a liquid, the liquid near the heat source heats up.

The warmer liquid rises above the colder surrounding liquid.

The colder moves to the bottom, creating a

circular motion, known convection currents.

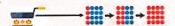
Convection occurs in ovens as the hot air rises and cool air falls.

Cooking improves the <u>texture</u> of food and makes it easier to eat, swallow and digest. E.g. Cooking starchy foods cause starch granules to swell, gelatinise and thicken or soften a food.

CONDUCTION is heat transfer due to the vibration of particles.

When a pan is placed on hob, heat energy from the hob causes the particles in pan to vibrate & gain heat.

The particles collide with particles nearby & pass on their



When food is placed in the pan, the heat then transfers to food and cooks it.

Cooking develops flavour by causing chemical reactions to take place in the food. E.g. When cooking cakes: the fat melts, proteins in the egg coagulate, the sugar caramelises and the starch gelatinises.

Radiation is heat transfer though waves of radiation.

There is no direct contact between the heat source and the food.

Toasters, grills, microwaves and BBQ's use radiation to cook food.

Radiation waves are emitted and as they reach the food they are absorbed and heat up the food.



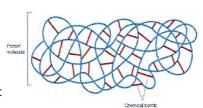


The Chemical Properties of Protein

Proteins are <u>large</u> molecules that are made up of individual units called 'amino acids'.

Protein molecules are held together by 'chemical bonds'.

As they are so large, protein molecules are often folded into compact 'bundles' so that they take up less space.



When foods containing protein are cooked, whisked or had acids added to them, the **chemical bonds** in the molecules **break**.

When the chemical bonds break, Proteins molecules 'denature'.

Qui Suis-Je? Who am !?

Identity and Culture



Quelle est ta personnalité?

What is your personality?

Je pense que je suis travailleur.euse et très calme. Je ne suis pas plutôt bavard.e et je n'aime pas les gens qui parlent trop haut. Pourtant je crois que j'ai le sens de l'humour ce qui m'aide à trouver des amis et de résoudre beaucoup de problèmes à l'école.

Tu t'entends bien avec ta famille?Do you get on well with your family?

Ma mère est travailleuse et sage, je m'entends donc bien avec elle. Je me confie à elle quand j'ai des problèmes. Mon frère, qui s'appelle John, est vraiment têtu et énervant donc je me dispute avec lui presque tous les jours. On ne peut pas dire dans ma famille: 'tel père, tel fils' car les deux sont de caractère différent. Moi, j'adore mon père qui est sympathique et poli, mais de temps en temps, je me fâche contre lui puisqu'il me traite comme un bébé.

Qui est ton modèle?

Who is your role model?

Moi, j'admire mon grand frère. Il m'impressionne énormément. Il est à la fois intelligent, sage et travailleur. Il va bientôt terminer ses études de droit. Il fait du bénévolat dans une organisation caritative britannique. Je suis fière de lui. Je pense que tout le monde devrait suivre l'exemple d'une autre personne.

Décris ton/ta meilleur(e) ami(e)

Describe your best friend

Ma meilleure amie s'appelle Anne. Elle est grande et assez mince. De plus, elle a les cheveux bruns et beaucoup de taches de rousseur et ses yeux sont beaux et verts. Je l'admire car elle est toujours patiente et gentille, elle travaille aussi énormément à l'école.

Qu'est-ce que tu vas faire ce week-end avec tes amis?

What are you going to do with your friends this week?

Ce week-end, je voudrais faire du shopping avec mes amis car j'ai grandi et j'ai besoin de nouveaux vêtements. Cependant s'il fait chaud on ira ensemble à la plage et je pense que cela sera très amusant, s'il pleut on va aller au cinéma.

Pourquoi est-ce que tu admires cette personne?

Why do you admire this person?

J'admire mon frère parce qu'il étudie beaucoup et en même temps, il veut faire du bénévolat dans une organisation caritative britannique. Il consacre donc son temps libre et partage sa connaissance du droit pour aider les gens qui en ont besoin. C'est extraordinaire pour moi!

C'est quoi un bon ami pour toi?

What is a good friend to you?

Pour moi, un bon ami est quelqu'un qui dit toujours la vérité et m'accepte tel.le que je suis et on s'entend comme les deux doigts de la main. À mon avis, le meilleur ami ne doit jamais se moquer de moi ou être méchant parce que c'est inadmissible pour moi.

Comment étais-tu quand tu étais plus jeune ?

What were you like when you were younger?

Quand j'étais plus jeune j'étais vraiment dynamique et sportif.ve. Le sport était ma vraie passion. J'aimais passer du temps avec mes amis en pratiquant du sport. On allait souvent au parc où l'on jouait au foot, mais j'aimais aussi m'amuser avec eux en jouant aux jeux vidéo.

Question you will ask:

Parle moi de ta famille

Speak to me about your family

Dans ma famille il y a quatre personnes : mon père, ma mère, mon frère et moi. À mon avis, on est grands et beaux. Mon frère, qui s'appelle, John ressemble beaucoup à ma mère et moi, je ressemble plutôt à mon père. Cependant de caractère tout le monde est différent. Ma mère est la plus patiente, gentille et responsable. Je peux me confier à elle. Cependant mon père est impatient et paresseux donc on se dispute souvent. Mon frère est méchant et débrouillard et c'est pourquoi on s'entend comme chat et chien.

Est-ce que tu es sorti(e) récemment?

Have you been out recently?

Il y a deux jours, mes amis et moi avons fait de l'équitation puisque on adore beaucoup les chevaux. Je crois que c'était vraiment chouette. En plus, le weekend dernier, on a fait ensemble du sport puisque c'est toujours bon pour la santé. Moi, j'ai joué au basket pendant que mes amis jouaient au foot dans le parc. Puis, on a pique-niqué parce qu'il y avait du soleil et il faisait assez chaud. C'était une journée formidable pour tout le monde et je l'ai aimée.

Fancy Phrases:

	Un peu a bit
	Très/Beaucoup very/a lot
Qualifiers	Assez quite
	Trop too/too much
	Quelque chose somewhat
	Tous les jours every day
	Toujours always
Adverbs	Ne jamais never
	Quelquefois sometimes
	Constamment constantly
	Néanmoins nonetheless
	Pourtant however
Connectives	Pour cette raison because of that
	Grâce à thanks to
	Par exemple for example
	Plus/Moins que more/less than
	Mieux/Pire QUE better/worse than
Comparisons	Le plus/Le poins the most/least
Superlatives	Le meilleur/le pire the best/worst
	Ce que j'aime le plus/le moins what I like
	the most/least
	Premièrement firstly
	Puis then
Sequencers	Donc so
•	Depuis afterwards
	Finalement finally
	Ne jamais never
Negotiera	Ne plus no longer
Negatives	Ni ni neither nor
	Non plus neither
	Je crois que parce que I believe that as
	Je pense que car I think that since
	A mon avis même si In my opinion
Opinions	although
with reasons	Il me semble que vu que It seems to me
	that seeing that
	Je suis convaincu que étant donné que l
	am convinced that given that

		L'année dernière last year
	T :	Il y a deux ans two years ago
	Time	Quand j'étais petit(e) when I was little
	expressions	L'année prochaine next year
		Dans deux ans in two years' time
		Marie aime Marie likes
		Ce qu'elle adore le plus/le moins What I
	Variety of	like the most/least
	pronouns	Le meilleur/le pire the best/worst
		Nous nous entendons bien we get on
		well
		II/elle a she/he/it has
	Variety of	II/elle fait she/he/it does/makes
	persons	C'est it is
	persons	Nous avons visité we visit/visited
		C'est bien passé we have/had a good time
		Je veux + INF I want to
	Infinitive	Je dois + INF I have to
	phrases	Je peux + INF I can
		J'ai l'intention de + INF I intend to
		J'ai décidé de + INF I decided to
		Je suis allé(e) à I went to
	Passé	J'ai été I was
	Composé	J'ai eu I had
	Compose	J'ai fait I did/made
		J'ai visité/J'ai rendu visite à I visited
		J'allais I used to go
		J'étais I used to be
	Imperfect	J'avais I used to have
		Je faisais I used to do/make
		Je visitais I used to visit
		la vois âtra l'es gaing to be
		Je vais être I'm going to be

	J'irai I will go
Simple	Je serai I will be
future	J'aurai I will have
tuture	Je ferai I will do/make
	Je visiterai I will visit
	J'irais I would go
	Je serais I would be
Conditional	J'aurais I would have
	Je ferais I would do/make
	Je visiterais I would visit
	Si je gagnais au Lotto, j'irais à New York
	If I won the lottery, I would go to New York
	Si je pouvais, je travaillerais comme
	médecin If I could, I would work as a doctor
	Si je pouvais, j'étudierais le français à la
	fac If I could, I would study French at
Si clauses	university
	Si j'étais riche, j'acheterais une grande
	maison If I were rich, I would buy a
	mansion
	Si j'avais de l'argent, j'habiterais en
	France If I had money, I would live in
	France
	Si seulement je pourrais I wish I could
	Si seulement il y aurais I wish there were
Subjunctive	Quand je serai adulte when I am older
	Je ne pense pas qu'il soit I don't think it
	is
	Il se peut qu'il ait I/it may have
	Ça coute les yeux de la tête he/she is a
	star
lalia na	Je fais la grasse matinée I have a lie in
Idiom	Je dis ça, je dis rien l'm just saying
	Je saute du coq à l'âne This is unrelated
	Revenons à nos moutons Back to the matter at hand

Je vais avoir I'm going to have

Je vais faire I'm going to do

Je vais aller I'm going to go Je vais visiter I'm going to visit

Immediate

future

Biome's climate and plants What is an Ecosystem? Flora Fauna Rainfall Temperature Location A community of plants (flora) and animals (fauna) that interact with each **Biome** other and their physical environment. Tall trees forming a canopy; wide Greatest range of different animal Hot all year (25-30°C) Very high (over Centred along the **Tropical** species. Most live in canopy layer variety of species. 2,000mm/year) Equator. **Biomes** rainforest A biome is a large geographical area of distinctive plant and animal groups, Large hoofed herbivores and Grasslands with widely spaced Between latitudes 5°-30° Warm all year (20-30°C) Wet + dry season Tropical which are adapted to that particular environment. The climate and geography carnivores dominate. (500-1500mm/year) north & south of Equator. grasslands of a region determines what type of biome exists. Many animals are small and Very low (below Lack of plants and few species; Hot by day (over 30°C) Found along the tropics Hot desert Coniferous nocturnal: except for the camel. adapted to drought. 300mm/year) Cold by night of Cancer and Capricorn. forest Animals adapt to colder and Variable rainfall (500-Mainly deciduous trees; a variety **Deciduous** Between latitudes 40°-Warm summers + mild Deciduous & warmer climates. Some migrate. forest 1500m /year) of species. winters (5-20°C) 4 coniferous 60° north of Equator. seasons forest Tropical Small plants grow close to the Low number of species. Most rainforests Far Latitudes of 65° north Cold winter + cool Low rainfall (below Tundra summers (below 10°C) ground and only in summer. animals found along coast. 500mm/year) and south of Equator Tundra

Very low temperatures

year round can reach -

The most productive biomes - which have the greatest biomass - grow in climates that are hot and wet.

Tropical Rainforest Biome

Tropical rainforest cover about 6 per cent of the Earth's surface yet they are home to over half of the world's plant and animals.

Interdependence in the rainforest

A rainforest works through interdependence. This is where the plants and animals depend on each other for survival. If one component changes, there can be serious knock-up effects for the entire ecosystem.



Distribution of Tropical Rainforests

Tropical rainforests are centred along the Equator between the Tropic of Cancer and Capricorn. Rainforests can be found in South America, central Africa and South-East Asia. The Amazon is the world's largest rainforest and takes up the majority of northern South America, encompassing countries such as Brazil and Peru.

Year 9 Geography Autumn Term **Ecosystems**

North/South Poles

Arctic/Antarctic

Layers of the Rainforest

Polar

Temperate grasslands

Tropical grasslands

Hot deserts

Emergent	Highest layer with trees reaching 50 metres.
Canopy	80% of life is found here as It receives most of the sunlight and rainfall.
Under Canopy	Consists of trees that reach 20 metres high.
Shrub Layer	Lowest layer with small trees that have adapted to living in the shade.

Adaptations to the rainforest

Buttress roots	Big roots to support emergent of 50 metres.
Drip tip leaves	Allows heavy rain to run off leaves easily.
Lianas & Vines	Climbs trees to reach sunlight at canopy.
Spider monkeys	Use their tails as an extra limb to climb trees.

Climate of Tropical Rainforests Rainforest nutrient cycle

The hot, damp conditions on the forest floor allow for the rapid decomposition of dead plant material. This provides plentiful nutrients that are easily absorbed by plant roots. However, as these nutrients are in high demand from the many fast-growing plants, they do not remain in the soil for long and stay close to the surface. If vegetation is removed, the soils quickly become infertile.

- Evening temperatures rarely fall below 22°C. Due to the presence of clouds, temperatures rarely rise above 32°C.
- Most afternoons have heavy showers.
- In an area of low pressure. (causing the rainfall)

Climate of Cold Environments

Very low rainfall

Tundra: Warm months only reach a max of 10°c while winters can plunge to -50°c. Precipitation is low, less than 380mm

lichens

Some plants such as mosses and

Polar: very cold year round, winters tend to drop to -40°c but can reach -90°c. Very little rainfall-less than 100mm a year. Antarctica is a cold desert!

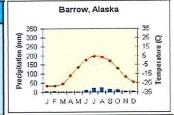
Plants

Animals

Latitude

Pressure

Therefore

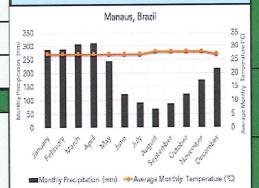


Very few-polar bears, penguins



Distribution of Cold Environments

Tundra is located at high latitude (above 60° north) in Northern Canada, Northern Europe e.g. Scandinavia and Alaska. Polar environments are found around the north and south poles.



Adaptations Cold Environments

Most plants become dormant to survive co	ld,
dark winters. Plants are low-growing to av	oid
strong winds. Shallow roots because of	
permafrost. E.g. Bearberry plant.	

Well insulated, they have thick fur like Polar bears. Some animals hibernate. White coats for camouflage E.g. Arctic fox.

Why are Tundra & Tropical Rainforests so different?

Tropical Rainforests are located a low latitude meaning the sun's radiation is more
concentrated causing higher temperatures.
Tundra is at high latitude and the earth is more curved here meaning the sun's radiation is less
concentrated causing colder temperatures.

Tropical Rainforests are located in an area of low pressure where air is rising near the equator leading to high rainfall. Tundra is located in an area of high pressure where air is falling leading to less rainfall.

Tropical rainforests have high biodiversity due to warm climate, high rainfall therefore more plants and animals. Tundra the opposite-low biodiversity, low rainfall, low temperatures.

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Tropical Rainforests: Case Study The Amazon

The Amazon is the largest rainforest on earth covering an area of 8million km2 (the UK is 250,00km2) It covers countries such as Brazil, Peru, Colombia, Venezuela, Ecuador, Bolivia, Guyana, Suriname, French Guiana.



Impacts of deforestation

Economic development

- + In March 2018 Brazil exported \$600 million
- + One mining company in Peru employs over 8,000 people
- The loss of biodiversity will reduce tourism and local Brazilian rubber tappers have lost their livelihood.

Soil erosion

- Brazil is loosing 100 tonnes of topsoil every year. This may lead to landslides and flooding.
- Soil fertility reduced as more water reaches soil

Climate Change

Rainforests are carbon sinks- the Amazon stores 140billion tonnes of carbon, deforestation releases this Co2 Up to 75% of Brazils CO2 emissions come from deforestation.

Sustainable Management of Rainforests

What are the causes of deforestation in the Amazon?

Logging: 2-3% of deforestation

- Most widely reported cause of destruction to biodiversity.
- Timber is harvested to create commercial items such as furniture and paper.
- Violent confrontation between indigenous tribes and logging companies.

Mineral Extraction: < 2%

- Precious metals are found in the rainforest.
- Areas mined can experience soil and water contamination.
- Indigenous people are becoming displaced from their land due to roads being built to transport products.

Energy Development: 2%

- The high rainfall creates ideal conditions for hydro-electric power (HEP).
- The Balbina Dam near Manaus flooded 2,400km2 of rainforest.
- New roads are also needed to transport resources causing more deforestation.

Cattle Ranching: 65-70%

- Biggest cause of deforestation in the Amazon.
- Forest is cleared to make space for cattle grazing. Normally by slash and burn.
- There are around 200 million cattle on 450.000km2 of pasture.

Commercial Farming: 5-10%

- Soy is also farmed here- up to 250,000 km2 of former forest has been used for it's production.
- Rice, cane and sugar cane are also grown and sold for profit.

Subsistence Farming: 20-25%

- Forest is cleared by small-scale farmers who need to grow food for themselves & their families
 - Many indigenous people are subsistence farmers. Many farmers have been settled along the trans-Amazonian Highway by the Brazilian government.

Key Geographical Skill: Describing distribution- this means describe how something is spread out. Use TEA

Plants.

Animals.

Key Word

Biodiversity

Ecosystem

Deforestation

Sustainability

Flora

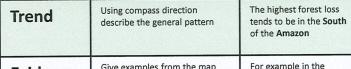
Fauna

Climate

Precipitation

Commercial farming

Subsistence farming



For example in the Give examples from the map **Evidence** South of Brazil with very e.g. names of countries/%s high loss

Comment on anything that However there areas of Anomaly high forest loss in the doesn't fit the pattern North West in Colombia

impacts on tropical rainforests.

PEEL Extended Writing E.g. Assess the human impacts on the TRF (9 marks)

Point	Wake a clear point with a judgment is appropriate	Rainforests.
Evidence	Use geographical detail e.g. name of a place, statistic, real life example. This can be a case study or from a figure provided.	For example 65-70 % of deforestation in the Amazon is caused by cattle ranching.
Explain	Use connectives to develop your explanation. Saying what something is, why it is happening. Think so what!	This is where This causes so much deforestation because this has huge impacts because this leads to
Link	Link back to the question.	This shows how humans have huge negative

Make a clear point with a judgment if appropriate Humans have a huge impact on Tropical

The variety of life in the world or a particular ecosystem.

The average weather conditions in a place over 30 years.

Typically the temperature and precipitation.

A community of plants and animals that interact with each other and their

Farming to sell produce for profit to retailers or food processing companies.

A type of agriculture producing food and materials for the benefit only of the

Actions that meet the needs of the present without reducing the ability of future

The chopping down and removal of trees to clear an area of forest.

High biodiversity = a wide variety of plants & animals.

physical environment.

farmer and their family.

Rain/hail/sleet/snow.

generations to meet their needs.

Uncontrolled exploitation can cause irreversible damage such as loss of biodiversity, soil erosion and climate change.

Possible strategies include:

- Selective logging & replanting Trees are only felled when they reach a particular height and trees are replaced. This can take place over many years. Trees are removed without harming the surrounding forest.
- Education Ensuring people understand the consequences of deforestation both locally and globally.
- Ecotourism tourism that promotes the environments & conservation.
- Conservation- setting up national parks & nature reserves.
- Reducing debt- Debt can be cancelled by HICs if LICs protect their TRFs.
- International Hardwood Agreements- put in place to prevent illegal logging.

Why are Rainforests important? Rainforest provide key goods and perform essential services

Goods	Services
80% of HIC foods originates from the TRF, 40% of trees logged for paper, 70% of the plants have proven anti-cancer properties, provide commodities such as rubber .	1/5 of our fresh water is found in TRFs, 50% of the world's plants & animals here, Rainforests act as carbon sink reducing climate change

Link

Was Nero a tyrant?

The Great Fire of Rome – A fire in 64 CE, which destroyed 75% of the city and burned for 6 days. Some stories say that Nero watched and played a lyre as the city burned. Nero blamed Christians for the fire and had them persecuted.

Domus Aurea – Nero's golden palace, which he raised taxes in order to build. It was built on the area which was destroyed by the Fire of Rome. Visitors would be greeted by a giant statue of Nero dressed as a god.

Charity – Coins (e.g. a sestertius) from Rome depict Nero as giving to charity.

Debasement – When valuable metals are taken out of coins to be used elsewhere. Nero appears to have done this and used the money to build his palace.

Nature – What a source is.

Content –
What the source
says/shows.

Historians then infer what they can work out from the source.



Origin – Who produced the source, when and where.

Purpose – Why a source was made.

Year 9 History: Term 1

Tyranny and Dictatorship

Tyrant – A cruel and oppressive ruler.

Dictator – A ruler or single party with total power over a country, typically they control the country through force.

Democracy – A system of government where the people are ruled by elected representatives.

Tacitus – A Roman historian who hated Emperors and was a near-contemporary of Nero's. He told the story of Nero's life using Senate (government) records and personal letters to describe Nero's reign. He claimed to write without bias.

Suetonius – A Roman biographer who was trying to make the Julio-Claudian Emperors look bad and was a near-contemporary of Nero's. He was a massive gossip who wanted to write an entertaining book, using Senate records and personal letters as his sources. Nero – Emperor of ancient Rome between 54 – 68 CE. He was the final ruler of the Julio-Claudian family, and became Emperor at 17 years old after the suspicious death of his stepfather, Claudius. He considered himself an artist and an athlete.

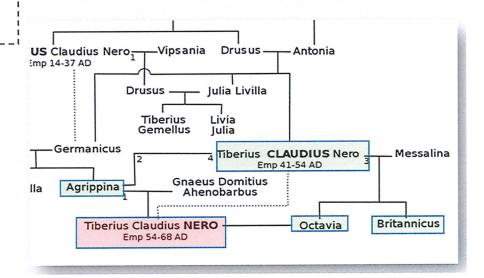
Agrippina the Younger – The mother of Nero. She is rumoured to have killed her husband/uncle, Claudius, so that Nero could become king. Some sources suggest that Nero had an affair with Agrippina, and later ordered her to be murdered.

Claudius – The step-father and great-uncle of Nero. He was the Emperor of Rome until he died, supposedly after eating a dish of poisoned mushrooms.

Octavia – The first wife of Nero (and his step-sister). She was killed on Nero's orders so that he could marry Poppaea.

Britannicus – Step-brother of Nero. He died at a feast that Nero was also at (Nero was jealous of his singing and threatened by the fact that Britannicus had a claim to the throne).

Poppaea – The mistress, then second wife of Nero. Nero apparently kicked her to death while she was pregnant.



Ideology - Political beliefs.

Communism – A social system where everything is owned by the people, then redistributed equally or based on people's needs (e.g. the Soviet Union).

Fascism – A political system based on a powerful leader, state control, and being proud of country and race. Political opposition is not allowed (e.g. Nazi Germany).

Soviet Union (USSR) – The name of the communist collection of states controlled by Soviet Russia between 1917-1991.

Josef Stalin – The leader of the USSR between 1924-1953. He used the popularity of his predecessor (Lenin), as well as propaganda, and terror (e.g. the Soviet concentration camps, called gulags) to keep control of the people.

Why did Hitler and the Nazis gain power in Germany?

Adolf Hitler – A man born in Austria-Hungary. He fought for Germany in World War I, and later became the dictator of Nazi Germany.

Weimar Republic - The name of the German government between World War I and the rise of Hitler.

Treaty of Versailles – The peace treaty agreed on at the end of the First World War. Germany was blamed for everything and the main terms can be remembered through the term B.R.A.T. (Germany had to accept blame, Germany had to pay reparations/money for the damage in the war, Germany had to reduce the size of their army to 100,000 men, and Germany had to give up territory/land.). The Treaty was very unpopular with the German people.

Hitler's character – Hitler was an incredibly skilled public speaker, and very charismatic. Many people in Germany voted for him because they thought that he would be a strong leader.

Weak Economy – The German economy was very weak after World War I because of the reparations that Germany had to pay, hyperinflation, and the Great Depression in 1929.

Weakness of the Government - The Weimar Republic was weak because there were too many political parties who disagreed on how to run Germany. They were also blamed for dealing with the Great Depression badly.

Nazi ideas and blaming others - The Nazis taught that Germany was strong and had been betrayed in World War I. The German people liked to hear that the problems of Germany could be blamed on other groups (e.g. the Jews living in Germany). For example, the Nazis blamed their political enemy, the communists, when the Reichstag government building was burnt down.

Methods of control in a dictatorship

Propaganda – Biased or misleading information designed to make people think in a certain way.

Cult of Personality - The use of media and propaganda to create an idealised image of a leader.

Police State - The use of the police, secret police, and force to control people. In the Nazi police state the SS, Gestapo (secret police), legal system and concentration camps worked together to try and control the German population.

Historical Interpretation – The opinion of an historian.

Interpretation 2: E. Brown, 1987

Nero was surely the worst of the Julio-Claudian Emperors. In his short reign, he was responsible for much neglect and unhappiness of the Roman people, including 'the Great Fire of Rome'. His unhealthy relationship with his mother, alongside his brutal treatment of those around him and failure to respect some of the oldest and most important Roman beliefs (such as the sanctity of the Vestal Virgins and the fire they had to protect), demonstrate that Nero was both unhinged and a bad leader for the Roman people. emphasise

Explanation – Saying what evidence means or shows.

Evidence -Factual evidence selected used to support an argument.

Descriptive language -Used to a point.

Year 9	Area of a Rectangle	Speed	Percentage Change	Sinθ	Cylinder
Mathematics Key	$A = l \times w$	0	$\frac{actual\ change}{original} \times 100$	$Sin\theta = \frac{Opp}{Hyp}$	$Vol = \pi r^2 h$
Information	I	ST			
Prime Number	Area of a Triangle	Density	Pythagoras' Theorem	Cosθ	Cone
A number that has exactly 2 factors 2, 3, 5, 7, 11, 19,	$A = \frac{1}{2} \times b \times h$	MDV	$a^2 + b^2 = c^2$	$Cos\theta = \frac{Adj}{Hyp}$ Adjacent	$Vol = \frac{1}{3}\pi r^2 h$
Square Number	Area of a	Pressure	Metric Length	Tanθ	Sphere
A number multiplied	$Parallelogram$ $A = b \times h$	/5	Conversions	$Tan\theta = \frac{Opp}{Adj}$	$Vol = \frac{4}{3}\pi r^3$
by itself 5 ² = 5x5 = 25	h b	PA	1km = 100m 1m = 100cm 1cm = 10mm	Adjacent	$S \cdot A = 4\pi r^2$
Cube Number	Area of a Trapezium	Volume of a Cuboid	Metric Mass	Exact Values of Sin	Direct Proportion
A number multiplied by itself and then itself again $5^3 = 5x5x5 = 125$	$A = \frac{1}{2} \times (a+b) \times h$	$V = l \times w \times h$ height length width	Conversions 1 tonne = 1000kg 1kg = 1000g 1g = 1000mg	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$y \propto x \\ y = kx$
Multiple	Area of a Circle	Volume of a Prism V = area of cross – section × length	Metric Capacity	Exact Values of Cos	Inverse Proportion
The first 5 multiples of 12 are 12, 24, 26, 48 and 60	$A = \pi \times r^2$	v = area of cross - section x tength	Conversions 11 = 1000ml 11 = 100cl 1cl = 10ml	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$y \propto \frac{1}{x}$ $y = \frac{k}{x}$ $y = \frac{k}{x}$
Factor	Circumference of a	Volume of a Cylinder	Error Interval	Exact Values of Tan	Rules of Indices
The factors of 12 are	$C = \pi \times d$	$V = \pi \times r^2 \times h$	7.4 rounded to 1dp	θ 0° 30° 45° 60° 90°	$a^0 = 1$ $a^{0} = 1$

ules of Indices $(a^m)^n = a^{m \times n}$ 1, 2, 3, 4, 6 and 12 $\frac{\sqrt{3}}{3}$ 0 $1 \sqrt{3}$ $7.35 \le x < 7.45$ height



*	Key Words
Blockbuster	a Hollywood movie that's made with a large budget and big stars.
Independent Film	An indie film is any feature-length or short film that is made without a major studio or big production company attached.
Marketing	the action or business of promoting and selling products or services, including market research and advertising.
Vertical Integration	Vertical integration refers to the process of acquiring business operations within the same production vertical. A company that opts for vertical integration takes complete control over one or more stages in the production or distribution of a product.
Conglomerate	a large corporation.
Subsidiaries	a company controlled by a holding company.
Horizontal Integration	Horizontal integration and vertical integration are competitive strategies that companies use to consolidate their position among competitors. Horizontal integration is the acquisition of a related business. A company that opts for horizontal integration will take over another company that operates at the same level of the value chain in an industry.
Zeitgeist	the defining spirit or mood of a particular period of history as shown by the ideas and beliefs of the time.
Globalisation	the process by which businesses or other organizations develop international influence or start operating on an international scale.
Public Service Broadcaster	Public broadcasting involves radio, television and other electronic media outlets whose primary mission is public service.
Commercial Broadcaster	Commercial broadcasting is the broadcasting of television programs and radio programming by privately owned corporate media, as opposed to state sponsorship.
Manufactured Artist	artists who don't have any input in their music, have writing camps and have a big team of people working with them to make decisions.
Authentic Artist	Artists that influence their own music and image.
Performance Video	A video that is styled to be like a performance to an audience.
Narrative Video	A video with a story.
Convergence	Technological convergence, also known as digital convergence, is the tendency for technologies that were originally unrelated to become more closely integrated and even unified as they develop and advance.
Freemium Gaming	Freemium, a portmanteau of the words "free" and "premium," is a pricing strategy by which a basic product or service is provided free of charge, but money is charged for additional features, services, or virtual or physical goods that expand the functionality of the free version of the software.
Intrinsic Narrative	Story is written for the player to play.
Extrinsic Narrative	Story can be controlled and changed by the player.
Hyperreality	an inability of consciousness to distinguish reality from a simulation of reality, especially in technologically advanced postmodern societies

	Key Theories
Connell's Theory of Gender	Subordinated Femininity: women are subservient to men and have little power. Emphasised Femininity: the idea that women must conform to the needs and desires of men, through their looks and sexual appeal. Resistant Femininity: women as resisting the stereotypes and presenting themselves as powerful. Hegemonic Masculinity: perpetuates the idea that men are dominant in society/ Stereotypical, manly man. Complicit Masculinity: men who subvert the stereotypes of men, often engaging more with 'feminine' roles such as the stay at home dad. Subordinated Masculinity: LGBTQ+. Considered to lack power in society.
Laura Mulvey's Male Gaze Theory	Laura Mulvey's Male Gaze Theory: Female images in media texts are objectified and viewed through the eyes of a heterosexual man.
Judith Butler's Theory of Gender Stereotypes	Suggests that the existence of stereotypes is due to the fact that they are repeated over and over again in the media.
Propp's Character Theory	Hero, Villain, False Hero, Donor (gives the hero something), Helper, Princess, Father, Dispatcher (sends hero on their way).
Todorov's Theory of Equilibrium	Equilibrium: state of balance. Disequilibrium: state of conflict/chaos. New Equilibrium: resolution.
Binary Opposites	opposition exists in narratives to propel a story forward.
Enigma Codes	questions/mystery exist in media texts to engage the audience.
Active Audience Theories	Suggests that audiences can respond to and interpret media texts in their own ways. Uses and Gratifications Theory: suggests audiences choose to go to media texts to gain: Personal Identity, Information, entertainment, education or social interaction. Dyer's Utopian Theory: suggests audiences go to media texts to gain a sense of escapism from their normal lives.
Passive Audience Theories	Suggests that audiences accept the messages of the media without questioning them. Hypodermic Needle Model: messages are injected into the minds of audiences, without them questioning it. Cultivation Theory: The more an audience is exposed to something, the more likely they are to believe it is true.

























Codes

Genre

Mise-en-scene

Anchorage

Semiotics

Signifier

Signified Denotation

Connotation Polysemic

Representation

Under-representation

Direct Mode of Address

Misrepresentation

Indirect Mode of Address

Demographic

Psychographic

Geographic

Stereotypes

Conform

Subvert





	Technical, written and symbolic tools used to construct or suggest meaning in media forms and products.
	a style or category of art, music, or literature.
	the arrangement of the scenery, props, etc. on the stage of a theatrical production or on the set of a film. The setting or surroundings of an event.
	Where the meaning of a media text is fixed or stabilised by a caption, shot type, costume or so on (ie: it anchors the meaning).
	the study of signs and symbols and their use or interpretation.
	a sign's physical form (such as a sound, printed word, or image) as distinct from its meaning.
ľ	the idea or meaning being expressed by that signifier.
	the literal meaning of a sign.
	the associated meaning of a sign.
	a sign with multiple connotations can be described as polysemic.
	the way a person or social group is presented.
	following the rules or expectations.
İ	going against the rules or expectations.
ı	a person or social group who isn't represented often or enough in media.
	a person or social group is represented inaccurately through media.
	an assumption made about a person or social group.
	visually, looking towards the audience, verbally, addressing them with "you."
	no reference made to the audience; lack of eye contact or direct speech.
	socioeconomic factors relating to an audience.
	specific interests or attitudes of an audience.
	the location of a specific audience.

Social Mobility	the movement between social class levels.
Social Mobility	
Cultural Capital	social assets (education, intellect, style of speech, dress, etc.) The term was coined by 1970s French sociologist Pierre Bourdieu, who developed the idea as a way to explain how power in society was transferred and social classes maintained.
Mass Audience	a large audience, made up of varying demographics, psychographics and geographics.
Niche Audience	a specific audience type with specific interests and socioeconomic factors.
Diegetic Sound	Natural, ambient sound.
Non-Diegetic Sound	Edited or added sound.
Dialogue	Speech in a narrative.
Cross Cut	Transitioning between two lines of action, indicating they are happening at the same time.
Cutting on action	Transitioning from one angle of the action, to the other, to show what has happened.
Continuity editing	Editing that creates a smooth flow to the order of events.
Dissolve	A gradual scene transition, where the end of one shot is overlapped by another.
Montage	Many scenes edited together to create a summary of events.
Jump Cut	A cut that creates a lack of continuity, by leaving out parts of the action.
Smash Cut	An abrupt cut, going from loud to quiet, or quiet to loud.
Invisible Cut	Where the cut is hidden, so the audience are unable to see it.
Shot reverse shot	Cutting between over the shoulder shots, to show a conversation taking place.
Shallow Focus	Where the subject closest to the camera is in focus.
Deep Focus	Where the subject furthest away from the camera is in focus.
Focus Pull	Pulling the focus from shallow to deep, or deep to shallow.
J-Cut	Where the audio begins before the scene in which it appears.
L-Cut	When the audio from the previous scene continues into the next scene.
CGI	Computer Generated Image.
Panning, tracking and tilting	Panning – camera stays put, but pans the scene in front. Tracking – camera moves with the subject moving in the shot, or follows the subject around. Tilting – camera stays still, but tilts up and down.

Music - Year 9

Texture - Knowledge Organiser

A. Texture

TEXTURE describes how much is going on in the music at any one time. It is about the different ways instruments and voices are combined in a piece of music. In its simplest form, texture can be described as how much sound we hear.

THIN TEXTURE: (sparse/solo) – small amount of instruments, sounds or melodies.



THICK TEXTURE: (dense/layered) – lots of instruments, sounds or melodies.

B. Monophonic Textures

MONOPHONIC TEXTURE – a single melody line either vocal or instrumental without any harmonies, although it may be played by more than one instrument or voice.

SOLO – a single melody line played or sung (called A CAPPELLA) by only one performer without any accompaniment or harmonies.

UNISON – instruments or voices playing or singing notes at the same pitch.

OCTAVES – instruments or voices playing or singing the same note but at different pitches.

C. Homophonic Textures

There are two types of **HOMOPHONIC TEXTURE**: **MELODY AND ACCOMPANIMENT** - – a melody line with harmonic accompaniment. Since the melody line is the most important, it is usually at the top of the texture.



BROKEN CHORDS are formed of playing the notes of a chord separately, one after another. Broken chord patterns provide a more gentle, flowing accompaniment to a melody than when the notes of a chord are played together.



Harmonic Chords



BLOCK CHORDAL – where voices or parts move together with the same (or very nearly the same) rhythm, with or without a definitive melody line (e.g. hymn-singing)

E. Heterophonic Texture

HETEROPHONIC TEXTURE - the <u>simultaneous performance of different versions of the same melody</u>. E.g. one voice or instrument performs a melody while, at the same time, another performs a more elaborate, decorated version of it. Other voices or instruments may join in with yet more versions of the melody, perhaps elaborating it further still, or even simplifying it (picking out just a few important notes). HETEROPHONIC texture is found in the folk-music of certain European countries, in Turkish music, Japanese *gagaku* music, Indonesian *gamelan* music and in Arabian music.







D. Polyphonic Textures

POLYPHONIC TEXTURE (also called a CONTRAPUNTAL TEXTURE) — weaving together two or more equally important vocal or instrumental melodic lines which fit together harmonically and 'interweave' creating a rich, complex, 'busy' web of sound.



IMITATION – 'to copy': one vocal or instrumental part starts off playing a melody, which is immediately copied, or imitated by another voice or part, though not necessarily at the same pitch. Usually, it is only the first few notes of the melody which are imitated, and several voices or instrumental parts may take turns to imitate the opening of the original melody.

CANON — a particular type of imitation: like a round, where the imitating voice or instrumental part repeats the entire melody, not just the opening.

Just as in a round, several voices or instrumental parts might be involved in the canon.

ANTIPHONAL — a special kind of imitation where a musical phrase is passed between different groups of voices or instruments. In some antiphonal music, the instruments or voices are placed in different parts of the building, or on different sides of a concert platform. This produces a kind of stereo or quadraphonic effect as a musical phrase is passed from one group to another.

LAYERED TEXTURE – music made up of different layers of sound which are

all important to the rich texture of the music. These could be different rhythmic as well as melodic lines and is a feature of African music as well as Gamelan and modern music.





A. How did Reggae develop?

REGGAE is one of the traditional musical styles from JAMAICA. It developed from:



A form of Jamaican FOLK MUSIC like CALYPSO popular in the 1950's.

Fast dance music that emerged in the 1950's fusing American R&S with MENTO rhythms and featuring ELECTRIC GUITARS, JAZZY HORN SECTIONS and characteristic OFFBEAT RHYTHMS.

ROCK STEADY

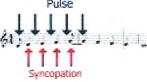
A more vocal style of dance music which used RIFFS, SIMPLE HARMONIES, OFFBEAT RHYTHMS and a strong BASS LINE.

Reggae was first heard in the UK in the 1950's when immigrants began to settle. During the 1960's, people began importing singles from Jamaica to sell in UK shops. Now, Reggae is known as the national music of Jamaica.

D. Offbeat Rhythms & Syncopation

OFFBEAT RHYTHMS - Rhythms that emphasise or stress the WEAK BEATS OF A BAR. In music that is in 4/4 time, the first beat of the bar is the strongest, the third the next strongest and the second and fourth are weaker. Emphasising the second and fourth beats of the bar gives a "missing beat feel" to the rhythm and makes the music sound OFFBEAT, often emphasised by the BASS DRUM or a RIM SHOT (hitting the edge of a SNARE DRUM) in much Reggae music.

SYNCOPATION - A way of changing a rhythm by making Pulse some notes a bit



early, often so they cross over the main beat of the music giving the music a further OFFBEAT

feel - another common feature of Reggae music.

E. Musical Features of Reggae

OFFBEAT RHYTHMS AND CHORDS (see D) SYNCOPATED RHYTHMS AND MELODIES (see D) SUNG LYRICS (see C)

LEAD SINGER often with BACKING SINGERS sometimes singing in CALL AND RESPONSE (see F3) accompanied by a Reggae band which often features: BRASS INSTRUMENTS and SAXOPHONES, ELECTRIC GUITARS, BASS GUITAR, KEYBOARDS, DRUMS AND PERCUSSION INSTRUMENTS. VOCAL AND INSTRUMENTAL IMPROVISATIONS (see F2) MELODIC RIFFS (see F5) SLOW, RELAXED ('chilled!') TEMPO 4/4 METRE/TIME SIGNATURE Most Reggae songs are structured in VERSE AND

CHORUS/POPULAR SONG FORM. SIMPLE HARMONIES (see F4)



THICK TEXTURAL LAYERS (see F9)

"The Reggae Trifle" is an example of how many Reggae songs are 'layered'.

B. Where is Jamaica?



F. Reggae Key Words

- 1. MELODY The main 'tune' of a piece of music, often sung by the LEAD SINGER.
- 2. IMPROVISATION Previously unprepared performance.
- 3. CALL AND RESPONSE Similar to a "Question and Answer" often the call sung by the lead singer and answered by the backing singers or instruments (the response) - musical dialogue.
- 4. SIMPLE HARMONIES using a limited number of CHORDS, mainly PRIMARY TRIADS such as the TONIC, DOMINANT and SUBDOMINANT chords.



- 5. RIFF A repeated musical pattern. Often the BASS GUITAR played repeated MELODIC BASS RIFFS in Reggae songs.
- 6. BASS/BASS LINE The lowest pitched part of a piece of music often played by the BASS GUITAR in Reggae which plays an important role.
- 7. CHORD 2 or more notes played together in HARMONY.
- 8. RHYTHM A series of long and short sounds.
- 9. TEXTURE Layers of sound combined to make music.

C. What are Reggae Songs About?

Regeae is closely associated with RASTAFARIANISM (a religious movement worshipping Haile Selassie as the Messiah and that black people are the chosen people and will eventually return to their African homeland). The LYRICS of Reggae songs are strongly influenced by Rastafarianism and are often political including themes such as LOVE, BROTHERHOOD, PEACE, POVERTY, ANTI-RACISM, OPTIMISM and FREEDOM.

G. Who was Bob Marley?

BOB MARLEY was a famous reggae singer,

SONGWRITER, and musician who first became famous in



his band The Wailers, and later as a SOLO ARTIST. He was born Nesta Robert Marley on February 6th, 1945 in Nine Mile, Saint Ann, Jamaica. Although he grew up in poverty, he surrounded himself with music and met some of the future members of The Wailers, Bob Marley became involved in the Rastafarian movement and this influenced his music style greatly. Bob Marley and The Wailers worked with several famous musicians before



becomine famous on their own. His career flourished and he became a cultural icon. He was the first international superstar to have been born in poverty in a Third-World country.

Recall: Discrimination

Discillination

What is discrimination in simple words?

Discrimination is the unfair or prejudicial treatment of people and groups based on characteristics such as race, gender, age or sexual orientation.

Define:

The Equality Act 2010

The Equality Act 2010 legally protects people from discrimination in the workplace and in wider society.

It replaced previous antidiscrimination laws with a single Act, making the law easier to understand and strengthening protection in some situations. It sets out the different ways in which it's unlawful to treat someone.

Discrimination

Define: **Disability Discrimination**

Direct discrimination is where you are treated less favourably because of your disability than someone without a disability would be treated in the same circumstances.

Define:

LGBTQ+ stands for lesbian, gay, bisexual, transgender, queer (or sometimes questioning), and others. The "plus" represents other sexual identities

Describe: Ally

A heterosexual and cisgender person who supports and/or accepts equal civil rights, gender equality, and LGBT social movements, challenging what they perceive as homophobia, biphobia, and transphobia

Understand: Impact of unintended harm

Just because someone did not intend to be prejudice/discriminatory does not lessen the impact on the person experiencing it.

The appropriate response is to acknowledge your mistake, apologise to the other person and move more carefully in future.

Apply:

Withdraw and report

You won't always want to challenge discrimination directly. The situation could make you feel so unsafe or uncomfortable that all you want to do is walk away - and that's absolutely fine. Withdraw from what's happening and report what you've heard to a teacher, parent or another adult you trust.



Where to go for more information or advice:

Speak to your tutor/HoH/The Bridge

www.childline.org.uk 0800 1111
www.report-it.org.uk
www.gov.uk
www.citizensadvice.org.uk
www.stonewall.org.uk



Stress and Anxiety

Define: Chronic Stress

The response to emotional pressure suffered for a prolonged period of time in which an individual perceives they have little or no control.

Define: General Anxiety Disorder

A condition characterized by 6 months or more of chronic, exaggerated worry and tension that is unfounded or much more severe than the normal anxiety most people experience.

Define: Social Anxiety Disorder

Also called social phobia, is intense anxiety or fear of being judged, negatively evaluated, or rejected in a social or performance situation.

Define: Stress

A state of mental or emotional strain or tension resulting from adverse or demanding circumstances.

Symptoms of Chronic Stress

Chronic stress affects the whole body. It can have several physical or psychological symptoms, which can make functioning on a daily basis more challenging.

The type and severity of symptoms vary considerably from person to person.

Signs and symptoms of chronic stress can include:

- Irritability, which can be extreme
- Fatiaue
- Headaches
- Difficulty concentrating,
- Rapid, disorganized thoughts
- Difficulty sleeping / insomnia
- Digestive problems and changes in appetite
- Feeling helpless
- A perceived loss of control
- Low self-esteem
- · Loss of sexual desire
- Nervousness
- Frequent infections or illnesses
- · High blood pressure

Anxiety Disorders

Anxiety is an evolutionary and survival mechanism which is often linked to the flight or fight response. The brain responds to a perceived threat or danger by releasing stress hormones such as adrenaline and cortisol which cause the physical symptoms of anxiety. Once the threatening situation has stopped, the body will usually return to normal.

But if someone has an anxiety disorder these feelings of fear and danger can be ongoing and interrupt their daily routine long after the threat has gone. They can make them feel like things are worse than they actually are.

General Anxiety Disorder is a long-term condition that causes a person to feel anxious about a wide range of situations and issues, rather than a specific event. People with GAD feel anxious most days and often struggle to remember the last time they felt relaxed. As soon as 1 anxious thought is resolved, another may appear about a different issue.

Social Anxiety Disorder, also called social phobia, is a long-lasting and overwhelming fear of social situations. Social Anxiety is more than shyness. It's an intense fear that does not go away and affects everyday activities, self-confidence, relationships and work or school life.

Things to Remember

- Everyone experiences stress and anxiety at points in their lives.
- Only a Doctor or Mental Health Professional can diagnose Chronic Stress or an Anxiety Disorder.
- There are treatments available and coping mechanisms.
- Having a stress or anxiety disorder is not a sign of weakness and is more common than people think.

Where to get more help and support

- Parents and trusted family
- · School Staff and Wellbeing Team
- GP or Practice Nurse.
- MIND https://www.mind.org.uk Help line 0300 123 3393 open 9am to 7pm, Monday to Friday or Text: 86463
- Young Minds https://youngminds.org.uk
 Text: 85258 or Parents Helpline: 0808 802 5544
- Stem4 https://stem4.org.uk/



Year 9 Term 1 Philosophy

	Key Words	ords	
	'The love of wisdom'; the study of the		Thomas Aquinas (1225-1274) suggested
Philosophy	fundamental nature of knowledge, reality	Aquinas	arguments for God's existence eg First
	and existence using reason and logic		Cause and Design Arguments
<u> </u>	Plato (424-348 BC) Ancient Greece; used	Doscartos	Rene Descartes (1596-1650); doubted
Pidio	and developed Socratic questioning skills	Descartes	everything - scepticism
	John Locke (1632-1704) questioned		Cartro (1905-1980) was a French
	whether humans are born with certain		philosopher: save humans have a fear of
Locke	ideas or knowledge – innateism or do	Sartre	freedom: evictentialism: what is the
	humans learn from experience –		, including
	empiricism?		
Loidoggor	Heidegger (1889–1976) an	Dawkins	Richard Dawkins (1941-) Atheist and
Lieldeggel	incomprehensible German philosopher!	Dawning	evolutionary biologist; souls do not exist
	The Dao Te Ching — by Lao-Tze		Tradition from 18th/19th Century
	(The Book of The Way – by 'Old Man')		philosophers leremy Bentham and John
Daniem	2500 year-old Chinese text of poems about	Utilitarianism	Striart: an action is right if it tends to
Cacioni	life, wisdom, how to live in accordance with		promote happiness or pleasure and wrong
	The Way (which is seen as The Ultimate		if it tends to produce unhappiness or pain
	Truth – Christians call God)	である はなる ないと ない	The course of broaders will about the course of barrens
			Learnt knowledge is more important than
	Political Philosophies about how we should	Confinction	creativity – hard work and reflection is
บเงคเล/บyรเงคเล	structure society	Comucius	better. These are important as a corrective
			to our own excesses

Philosophy





There is no physical world. Only minds and experiences exist. All human actions are determined and set in motion by external forces: humans, therefore, do not have

free-will.

It is possible to prove that God exists using rational arguments It is important to doubt the things we assume to be true- to question the assumptions we are taught to live

There is more to reality than meets the eye.

Humans are afraid to be free. They prefer the comfort and security of pretending they are not free. The mind only exists as an illusion created by a purely physical world

Humans are born with certain instincts or innate ideas

life has no fixed (objective) meaning: any meaning (value/purpose) we want in our lives we have to create

The Universe is absurd: it has no order, it has no rationality or reason. We are talking monkeys on a giant floating space-ship!

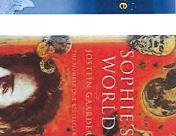
Further Reading

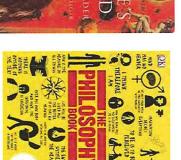


Julian Baggini How the World Thinks Jostein Gaarder Sophie's World Will Buckingham The Philosophy Book Antoine de Saint-Exupery The Little Prince Peter Cave Can a Robot be human?







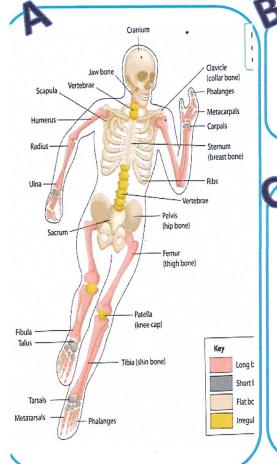




	のできる できる はい はい こうかん	nappen; morany bad benaviour.	
Non-religious.	Secular	a force that causes bad things to	Evil
The theory proposed by Charles Darwin that life slowly changed into what it is today by a gradual process called natural selection	Evolution	A person who holds that ultimate human happiness can be achieved without the need for God or religion.	Humanist
A philosophical book in the bible about a man who suffered a lot	The Story of Job	A person who believes we cannot know whether or not God exists.	Agnostic
All human beings have the right to make their own choices	Free Will	A person who believes there is no God.	Atheist
The suffering that is caused by human choices	Moral Evil/Suffering	A person who believes that God exists.	Theist
The suffering that follows when the forces that shape the world come into play	Natural Evil/Suffering	A theological problem that many theologians have tried to answer	The Problem of Evil and Suffering
	ords	Key Words	

The Theory of Evolution	The Free Will Defence	Original Sin	The Problem of Evil and Suffering	Reasons to believe in God
In 1859 Charles Darwin published his book 'The origin of Species by means of natural selection' in which he explained the theory of evolution. He suggeste4d that, as the earth cooled, conditions became right for the beginning of life. Single-celled creatures appeared in the sea which, over a long period of time, evolved into other species. Some were able to survive on land and others gradually developed the ability to fly. According to this theory humans evolved over millions of years from animals on land and scientists have discovered bones from several different extinct species which are possible	God has maximised the goodness in the world by creating free beings Being free means we have a choice to do evil things. Evil exists so we have freedom – god created the best possible world	The Bible story of Adam and Eve that tells how they were tempted to eat the fruit from the tree of knowledge of good and evil and thus brought suffering into the world; The Christian belief that all humans are born with the tendency towards evil and the ability to cause suffering.	If God exists, then God is all-powerful, all-knowing, and benevolent (all-loving) If God is all-powerful, then God has the power to eliminate all evil. If God is all-knowing, then God knows when evil exists. If God is benevolent, then God has the desire to eliminate all evil. Evil exists. If evil exists and God exists, then either God doesn't have the power to eliminate all evil, or doesn't know when evil exists, or doesn't have the desire to eliminate all evil. Therefore, God doesn't exist.	 Tradition, cultural history, shaped by who you grow up with The Cosmological Argument or First Cause Argument: Everything has a cause, the universe must have needed a cause, that cause could only be a supernatural being such as God. Descartes Ontological Argument: God is defined as a perfect being, It is more perfect to exist than to not exist, Therefore God exists. The Teleological Argument or Design Argument: Nature is full of complex and beautiful designs. This implies that there was a designer, That designer is God. Religious experience: People claim to have 'revelations' from God Conscience: we have an innate sense of right and wrong, this could be explained by God or a higher power, therefore God exists. The Bible or other sacred text: The Bible is the word of God. The Bible is inerrant (without error) and infallible (without falseness). The Bible claims that God exists. Therefore God exists. Miracles: Miracles break the laws of nature and people have experience of them, only God can cause miracles, therefore God exists Pascals Wager: If you believe in God and you're right- you go to heaven; if you believe in God and you're wrong you go to Hell: therefore as a wager (a bet/gamble) it makes sense to believe in God
Fundamentalist Christians believe the origin of human life was exactly as recorded in Genesis, the first book in the Bible. Other Christians believe the Bible is concerned with why creation happened and that God set everything in motion and evolution is the way God designed life to advance and	ee beings. le world	npted to eat the fruit from the ig into the world;	wolent (all-loving) Il evil. If God is all-knowing, then has the desire to eliminate all evil. have the power to eliminate all sire to eliminate all evil.	ng has a cause, the universe must being such as God. eing, It is more perfect to exist than of complex and beautiful designs. Sod could be explained by God or a higher be Bible is inerrant (without error) and Therefore God exists. Experience of them, only God can to heaven; if you believe in God and dyou're wrong you go to Hell: in God

1. Skeletal System



Types of bone:

Long Bone-(humerus/ femur/ulna)

Short Bone-(carpals/ tarsals)

Flat Bone-(cranium/ sternum)

Irregular Bone-(vertebrae)

Components of a synovial joint

Articulating bones: Where two or more bones meet to allow movement at a joint

Synovial membrane: secretes synovial fluid

Synovial fluid: provides lubrication

Joint capsule: encloses/supports

Bursae: sacks of fluid to reduce friction

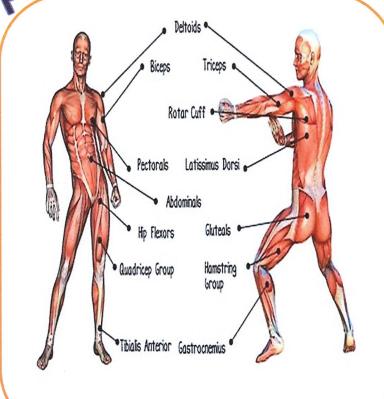
Cartilage: prevents friction/bones rubbing together

Ligaments: attach bone to bone.

Functions of the Skeletal System:

- Support
- Protection of vital organs by flat bones
- Movement
- Structural shape and points for attachment
- Mineral storage
- Blood cell production.

2) Muscular System



Antagonistic pairs

The body work antagonistically on the major joints of the skeleton to affect movement in physical activity at the major movable joints

Agonist (prime mover)-

Muscle or group responsible for the movement. In the upwards phase of a bicep curl, the agonist muscle is the bicep.

Antagonist- Acts to produce the opposite action to the agonist. They work in antagonistic pairs. In the upwards phase of a bicep curl the antagonist muscle is the tricep.

Movement at a joint:

Flexion-decrease in the angle of the bones at a joint **Extension-** increasing the angle of bones at a joint

Abduction- movement away from the body midline

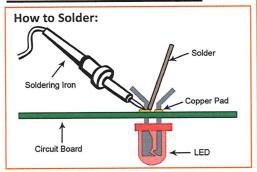
Adduction- movement towards the body midline

Rotation- movement around an axis

Circumduction - turning or circular motion around a joint (which occurs in more than one plane).

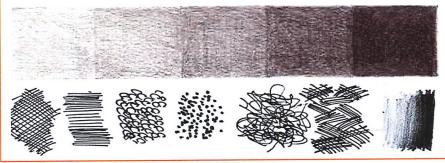
Plantar flexion-pointing the toes at the ankle/increasing the ankle angle Dorsi flexion- toes up at the ankle/ decreasing the ankle angle.

Product Design



Tone and Texture

Different marks/tones can be used to render a design idea to make it look 3D.



Annotating

All of your work must be accompanied by a brief annotation.

WHAT

What have you done? What was your inspiration?

HOW

How did you come up with your ideas? How did you create the piece? How does the piece link to your artist/designer?

WHY

Why did you make the piece, how does it link to the project?
Why did you make the piece that way?

WWW/EBI

What has gone well?
What can be improved?
Which is the best one and why?

NEXT -

Your next steps are...?

Modelling:

- Remember to take pictures along the way.
- What materials could you use to model your idea?
- Did it work? Explain your answer.
- Describe the quality of your work.
- What could you do to improve and refine your idea?
- What finishes will you apply to the final product?



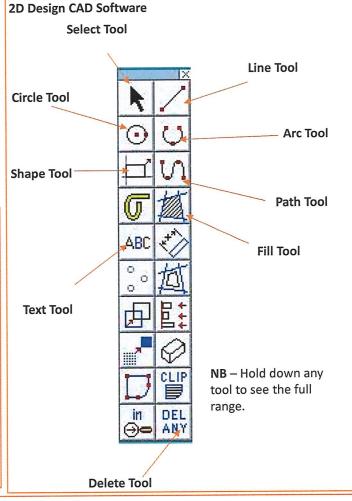


Final Idea Modelling:

- Remember to take pictures/screenshots along the way.
- What materials could you use to model your idea?
- Did it work? Explain your answer.
- Describe the quality of your work.
- What could you do to improve and refine your idea?
- What finishes will you apply to the final product?

Research Types:

- ✓ Location Analysis
- ✓ Product Analysis
- ✓ Designer
- ✓ Design Movement
- ✓ Museum
- ✓ Existing Product
- ✓ Materials
- ✓ Joining Methods
- ✓ Technique Trials







Refine



Define



There are **three** states of matter – **solid**, **liquid** and **gas**. To explain the properties of the states, the **particle theory** is used. It is based on the fact that all matter is made up of tiny particles and describes the **movement** and **distance** between particles.

YEAR 9 CHEMISTRY STATES OF MATTER AND SEPARATING MIXTURE

Pure substances have specific melting and boiling temperatures.

These can be used to distinguish pure substances from mixtures.

These are

PHYSICAL

changes and

can easily be
reversed, unlike

CHEMICAL

changes.

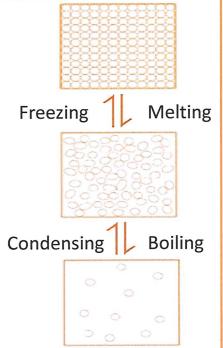
Close together, regular pattern, vibrate on the spot.

Solid

Close together, random arrangement, move around each other.

Solid

Close together, random arrangement, move quickly.



Melting and freezing take place at the melting point.

Boiling and condensing take place at the boiling point.

The amount of energy required to change the state depends on the strength of the forces between the particles of the substance.

The stronger the forces between the particles the higher the melting and boiling point of the substance.

The type of bonding and the structure of the substance depend on the particles involved.

Solvent	the liquid in which a solute dissolves					
Solute	the substance that dissolves in a liquid to form a solution					
Solution	is the mixture formed when a solute has dissolved in a solvent					
Soluble	describes a substance that will dissolve					
Insoluble	describes a substance that will not dissolve					
Crystallisation						

This technique separates a soluble

substance from a solvent by

evaporation

YEAR 9 CHEMISTRY STATES OF MATTER AND SEPARATING MIXTURE

A mixture consists of **two or more** elements or compounds **not** chemically combined together. The chemical properties of each substance in the mixture are **unchanged**.

Simple distillation

This technique separates a liquid from a mixture by evaporation, followed by condensation

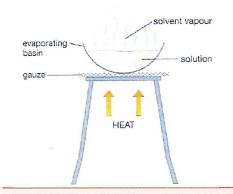
Mixtures can be separated by **physical processes** including:

- 1. Filtration
- 2. Crystallisation
- 3. Simple distillation
- 4. Fractional distillation
- 5. Chromatography

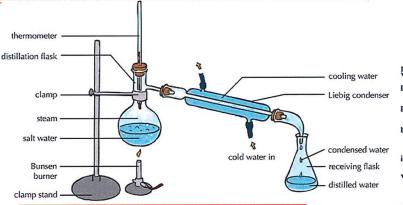
These physical processes do not involve chemical reactions and no new substances are made.

Chromatography

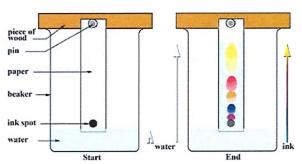
This technique separates mixtures of soluble substances.



Example - crystallisation of sodium chloride from salt solution



Example - obtaining water from sea water



Example - separating the different colours in ink

The periodic table of the elements

1	2			Key			1 H tydrogen					3	4	5	6	7	4 He
7 Li inium 3	9 Be teryflum 4		ato	ve atomic mic symb rana (proton) n	loc							11 B toros 5	12 C carton 6	14 N nitrogen 7	16 0 0xygen 8	19 F tuores 9	20 Ne 10
23 Na audium 11	24 Mg magnesium 12											27 Al atumnium 13	28 Si siicon 14	31 P phosphorus 15	32 S 16	35.5 CI chlorine 17	40 Ar argen 18
39 K 2000000 19	40 Ca anoum 20	45 Sc condum 21	48 Ti stantum 22	51 V 23	52 Cr chiomium 24	55 Mn manganese 25	56 Fe an 26	59 Co cateat 27	59 Ni 500 28	63.5 Cu 29	65 Zn and 30	70 Ga gustum 31	73 Ge germanium 32	75 As americ 33	79 Se selenium 34	80 Br tromine 35	84 Kr keystan 36
85 Rb rubidum 37	88 Sr 38	89 Y 7 39	91 Zr zicznium 40	93 Nb notion 41	96 Mo stolytamisti 42	[98] Tc technetium 43	101 Ru odenien 44	103 Rh modum 45	106 Pd patedium 46	108 Ag silver 47	112 Cd cadmium 48	115 In indum 49	119 Sn 50	122 Sb animony 51	128 Te ********** 52	127 I lodine 53	131 Xe ******* 54
133 Cs assessm 55	137 Ba bassum 56	139 La* 57	178 Hf	181 Ta santalum 73	184 W tungsten 74	186 Re thenlum 75	190 Os certicate 76	192 Ir endum 77	195 Pt pterioum 78	197 Au gold 79	201 Hg mercury 80	204 TI trailure 81	207 Pb lead 82	209 Bi biomuti 83	[209] Po potorium 84	[210] At attache 85	[222] Rn nadon 86

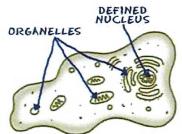
^{*} The elements with atomic numbers from 58 to 71 are omitted from this part of the periodic table.

The relative atomic masses of copper and chlorine have not been rounded to the nearest whole number.

Biology – Year 9 Key Concepts

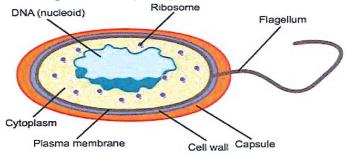
Prokaryotic and Eukaryotic cells

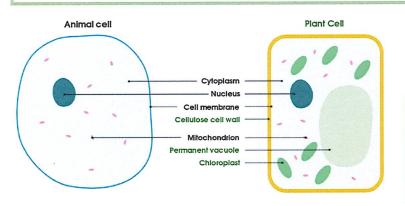
- Eukaryotic cells:
- DNA in the nucleus
- Membrane bound organelles



Prokaryotic cells:

DNA free in the cytoplasm
No organelles apart from ribosomes

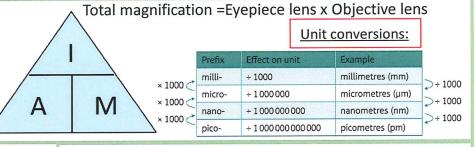


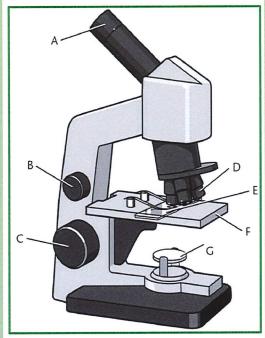


Microscopy

Actual size = <u>Image size</u> Magnification

Magnification = <u>Image size</u> Actual size





- A Eyepiece lens
- B Fine focusing wheel
- C Coarse focusing wheel
- D Objective lens
- E Slide
- F Stage
- G Mirror (Light source)

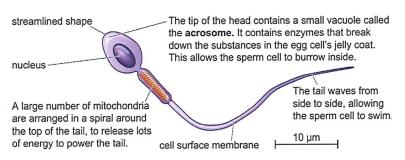
Specialised cells

Specialised cells are made through a process called differentiation

Sperm cell

Specialised
Function
Cells
Humans
Adapted

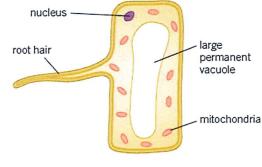
KEYWORDS:



Root hair cell

Increased surface area

Many mitochondria



Investigative skills

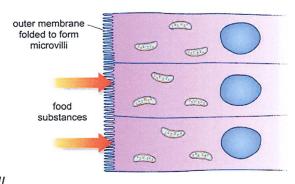
Hypothesis – State and explain your prediction Dependent – The variable that is measured Evaluation – How the experiment can be improved

Biology – Year 9 Key Concepts

Specialised cells cont.

Cells from intestine lining

Microvilli increase surface area

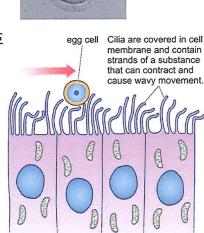


Egg cell

The cell membrane fuses with the sperm cell membrane. After fertilisation, the cell membrane becomes hard to stop other sperm cells entering.

The cytoplasm is packed with nutrients, to supply the fertilised egg cell with energy and raw materials for the growth and development of the embryo.

Oviduct lining cells



The jelly coat protects the egg cell. It also

hardens after fertilisation, to ensure that only one sperm cell enters the egg cell.

haploid nucleus

Diffusion

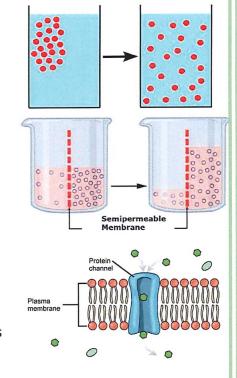
Movement of molecules from high concentration to low concentration

Osmosis

Movement of solvent (water) across a semipermeable membrane from high solvent concentration to low solvent concentration

Active transport

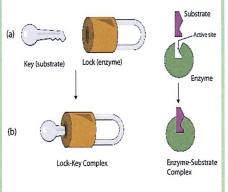
Movement of dissolved molecules into or out of a cell through the cell membrane, from a region of lower concentration to a region of higher concentration (requires energy)

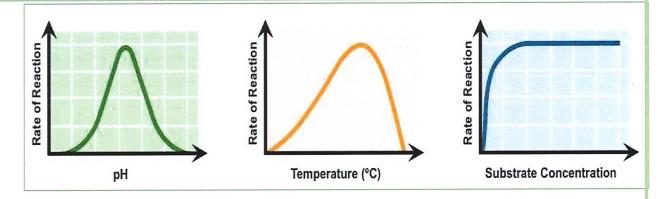


Enzymes

Active site - the region of an enzyme where substrate molecules bind and undergo a chemical reaction

Denature – If enzymes are exposed to extremes of pH or high temperatures the shape of their active site may change





Enzymes have **optimum conditions** in which they work. If they are in the wrong pH or too hot temperatures the enzymes denature. **Denature** means that the **active site** changes shape and the **substrate** no longer fits therefore no reactions will take place.

P1: Motion

Lesson sequence

- 1. Vectors and scalars
- 2. Speed-time graphs
- 3. Distance-time graphs
- 4. Acceleration
- 5. Velocity-time graphs

1. Vectors and scalars

Magnitude is a scientific word for size.

Scalar quantities have **magnitude** (but no direction). For example:

- Distance 10 m
- Speed 25 m/s
- Mass e.g. 50 kg

Vector quantities have magnitude and direction. For example:

- Displacement The distance and direction travelled in a straight line.eg 10 m north
- Velocity The speed in a certain direction.eg
 25 m/s east
- Force 30 N left
- Acceleration 3 m/s² south
- Momentum 400 N m/s right

Vectors can be represented by **arrows**. The **length** of the arrow represents the **magnitude**.

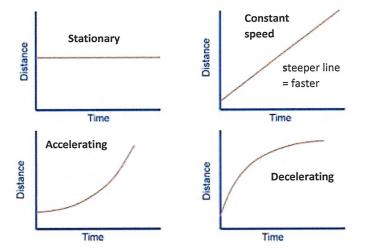
	2. Speed					
word	speed (m/s) = distance (m)					
equation	time (s)					
symbol	s = speed					
equation	s = x/t $x = distance$					
	t = time					
Instantaneous	Speed at a particular point in					
speed	time.					
Average	Average = total distance					
speed for a	speed total time taken					
journey						
Calculating	Distance = average speed x time					
distance	\mathbf{x} (m) = \mathbf{s} (m/s) $\times \mathbf{t}$ (s)					
travelled	, , , , , , , , , , , , , , , , , , , ,					
I take astas. Fa	winmont that can be used for					

Light gates: Equipment that can be used for measuring time accurately with fast-moving objects to help find their speed.

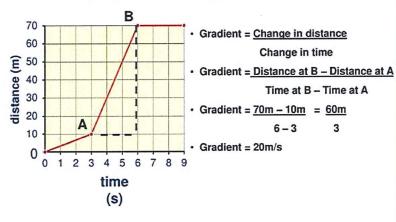
3. Distance-time graphs

A graph describing how your distance travelled changes with time over the course of a journey. Time is on the x-axis
Distance on the y-axis.

Some typical speeds Walking – 1-2 m/s Running – 3-8 m/s Cycling – 5-20 m/s Driving – 10-40 m/s Flying – 250 m/s



Calculating Speed from a distance-time graph – finding the gradient



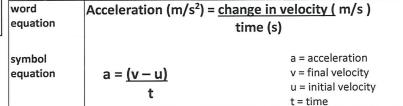
4. Acceleration

Acceleration is the rate of change of velocity

You accelerate when you change speed or when you change direction

Speeding up = positive acceleration

Slowing down = negative acceleration (also called deceleration)



Linking acceleration and distance travelled (higher tier only)

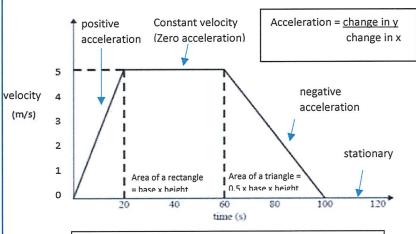


Acceleration due to gravity (free fall)= 10 m/s²

5. Velocity-time graphs

A graph showing how your velocity (speed) changes over time.

Time is on the x-axis, velocity is on the y-axis.



Distance travelled = area under the velocity—time graph.Divide the graph into rectangles and triangles, find the area of each and add them together.

P2: Forces and motion

Lesson sequence

- Resultant forces
- 2. Newton's first law
- Mass and weight
- Newton's second law
- Newton's third law
- Momentum (HT)
- Stopping distances
- 8. Car safety

1. Resultant forces					
Force	Arrows can be used to represent				
arrows	forces:				
	- Direction = direction of force				
	- Length = size of force				
Resultant	The combined effect of several				
force	forces acting on an object				
Calculating	Subtract the total force in one				
resultant	direction from the total force in the				
force	other direction.				
Balanced	When the resultant force is zero				
forces	(because forces acting in opposite				
	directions are the same size).				
Unbalanced	When the resultant force is non-				
forces	zero (because there is more force in				
	one direction than another).				
2 Newton's first law of motion					

An object will move at the same speed and direction unless it experiences a resultant force.

Resultant forces cause acceleration: speeding up, slowing down or changing direction

It is a common misconception that forces are needed to keep you moving. They are NOT!

Without friction and air resistance slowing an object down, it would keep moving forever!

	stopping aislance
thinking	braking
distance	distance

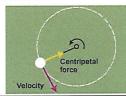
at a link and

Circular motion – when an object moves in a circle it is accelerating because it is changing velocity (its direction changes even if its speed does not).

As the object is accelerating, it must be experiencing a resultant force. The force that causes an object to move in a circle is called the centripetal force and it acts towards the centre of the circle.

Examples include:

- Gravity keeps the Earth orbiting the sun
- Tension pulls a bucket swinging on a rope into a circular path
- Friction turns cars round a roundabout



3. Mass and weight

Mass: the quantity of matter in an object. Units = kilograms, kg. Weight: a force caused by gravity pulling downward on an object's mass. Units = newtons, N.

Gravitational field strength: the strength of gravity, which is different on different planets. Units = newtons per kilogram, N/kg.

On Earth g = 10 N/kg

Calculating weight:

Weight (N) = mass (kg) x gravitational field strength (N/kg)

 $W = m \times g$

Free fall and terminal velocity

Air resistance is a force created by the air pushing against you as you move.

Faster movement → greater air resistance.

While falling, an object will accelerate until the air resistance is equal to the weight; then there is no resultant force so speed stays constant (terminal velocity).



8. Stopping distances

Stopping distance - the distance travelled from seeing a hazard to having stopped.

Thinking distance - The distance travelled from seeing a hazard to starting to brake.

Thinking distance is increased by: higher speed, tiredness, illness, drugs, distractions, old age

Braking distance - The distance travelled from starting to brake to having stopped.

Braking distance is increased by: higher speed, poor brakes, poor tyres, wet/icy/gravelly road, downhill, mass.

4. Newton's second law of motion Same force

small mass: large acceleration

large mass: small acceleration

F = force(N)m = mass (kg)

 $F = m \times a$

 $a = acceleration (m/s^2)$



Force = mass x acceleration

Inertial mass is the mass calculated by measuring the acceleration produced by force, using the equation m = F / a (higher tier only)

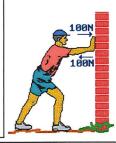
Inertial mass is the same as mass measured with a mass balance, but it gives us a way to measure mass where there is no gravity, such as in space.

6. Newton's third law

For every action force there is an equal but opposite reaction force.

If object A applies an action force to object B, then B applies a reaction force to A of same size and opposite direction.

(Note: Action reaction forces are the same type of forces and affect two different objects whereas balanced forces act on the same object and can be different types of force)



7. Momentum - The tendency of an object to keep moving.

Momentum (kg m/s) = mass (kg) x velocity (m/s)

$$p = m \times v$$

Conservation of momentum

Total momentum before an event = total momentum after the event

Calculating force

Force (N) = change in momentum (kg m/s) / time (s)

F = (mv - mu)/t

9. Crash hazards

Crashes cause large decelerations, creating large forces, which can injure you.

Greater momentum change → greater force (see equation in section 7 above)

Car safety features such as crumple zones, (stretchy) seat belts, air bags, increase the time a collision takes, reducing deceleration and forces.

Mi Gente My people

Identity and Culture



Describe a un(a) buen(a) amigo/a tuyo/a

Describe a good friend of yours

Mi mejor amigo se llama Paco. Es muy alto y tiene el pelo corto, negro y rizado. A veces es un poco terco, pero siempre está contento

¿Que te gusta leer? ¿Por qué? What do you like to read? Why?

Cada noche de la semana me gusta leer una novela de amor ya que me permite relajar, pero cuando tengo tiempo, por ejemplo, los sábados y los domingos, leo un libro de aventura. Prefiero leer en mi móvil porque pesa menos que un libro.

¿Cómo es un buen(a) amigo/a? What makes a good friend?

Cuando era más joven, te hubiera dicho que un buen amigo es alguien divertido y lleno de energía, pero ahora te diría que un buen amigo es alguien que está allí para ti. Claro que es importante divertirse, pero una persona en la que se puede confiar es vital.

¿Qué aplicaciones usas para estar en contacto con tus amigos?

What applications do you use to stay in contact with your friends?

Normalmente uso a Snapchat para chatear con mis amigos. Es fácil usarlo y se puede ver lo que hacen tus amigos.

¿Te llevas bien con tu familia?

Do you get on well with your family?

Me llevo superbién con mi madre, pero me peleo todo el tiempo con mi padrastro ya que no me conoce. Mi madre y él se casaron hace un par de meses así que aún es temprano. Espero que nos vamos a llevar mejor en el futuro.

¿Qué planes tienes con tus amigos este fin de semana?

What plans do you have with your friends this weekend?

El sábado vamos a ir al parque juntos para jugar al fútbol, como hacemos cada fin de semana. Pero este domingo por la tarde iremos a un restaurante alemán para probar platos típicos antes de nuestras vacaciones a Berlín el mes próximo.

¿Estás enganchado/a a tu móvil? Are you hooked on your phone?

Diría que estoy muy enganchado a mi móvil porque siempre tengo que mirarlo. Es tan difícil separarnos porque siempre tengo que saber lo que pasa en el mundo.

Describe a una persona de tu familia Describe a member of your family

Mi hermano mayor es bastante gordo y lleva una barba pelirroja, muy parecido pirata. De vez en cuando nos llevamos como perro y gato, pero al fin y al cabo es mi mejor amigo y me confío en él.

Question you will ask:

¿Qué piensas de las redes sociales? What do you think about social networks?

A mí me encantan las redes sociales y todos mis amigos usan Facebook, así que es el canal de comunicación más importante en mi vida. Sé que hay peligros, pero las ventajas superan las desventajas.

¿Quiénes son más importantes, tus amigos o tus padres?

Who are more important, your friends or your family ?

Para mí, mi familia es importante, pero los amigos se pueden elegir. A veces mis padres no me apoyan, pero mis amigos sí, así que diría que mis amigos son más importantes visto que nunca me juzgan.

	UN POCO a bit					
	MUY/MUCHO very/a lot					
Qualifiers	BASTANTE quite					
	DEMASIADO too/too much					
	ALGO somewhat					
	TODOS LOS DÍAS every day					
	SIEMPRE always					
Adverbs	NUNCA never					
	A VECES sometimes					
	CONSTANTEMENTE constantly					
	A PESAR DE TODO nonetheless					
	NO OBSTANTE however					
Connectives	POR ESO because of that					
	GRACIAS A thanks to					
	POR EJEMPLO for example					
	MÁS/MENOS QUE more/less than					
	MEJOR/PEOR QUE better/worse than					
Comparisons	EL MÁS/EL MENOS the most/least					
Superlatives	EL MEJOR/PEOR the best/worst					
	LO QUE MÁS/MENOS ME GUSTA what I like the most/least					
	PRIMERO firstly					
	LUEGO then					
Sequencers	ENTONCES then					
	DESPUÉS afterwards					
	FINALMENTE finally					
	NUNCA never					
	YA NO no longer					
Negatives	NO NI NI neither nor					
	TAMPOCO neither					
	JAMÁS never, ever					
	Creo que ya que i believe that as					
	Pienso que puesto que I think that since					
Opinions with	Opino que aunque I think that although					
reasons	Me parece que porque it seems to me that because					
	Estoy convencido de que dado que lam convinced that					
	given that					

	EL AÑO PASADO last year					
Time expressions	HACE DOS AÑOS two years ago					
	CUANDO ERA PEQUEÑO/A when I was little					
	EL AÑO QUE VIENE next year					
	DENTRO DE DOS AÑOS in two years' time					
	A ANA LE GUSTA Ana likes					
	LO QUE MÁS/MENOS ME GUSTA What I like the most/least					
Variety of	LO BUENO/MALO the good/bad thing					
pronouns	LO MEJOR/LO PEOR the best/worst					
	NOS LLEVAMOS BIEN/MAL we get on well/badly					
	TIENE she/he/it has					
	HACE she/he/it does/makes					
Variety of persons	ESTÁ is (location)					
	VISITAMOS we visit/visited					
	LO PASAMOS BIEN we have/had a good time					
	QUIERO I want to					
	TENGO QUE I have to					
Infinitive phrases	PUEDO I can					
	SOLÍA I used to					
	PREFIERO I prefer					
	FUI I went					
	FULLWas					
Preterit	TUVE I had					
	HICE I did/made					
	VISITÉ I visited					
	IBA I used to go					
	ERA I used to be					
Imperfect	TENÍA I used to have					
	HACÍA I used to do/make					
	VISITABA I used to visit					

	VOY A IR I'm going to be
Immediate future	VOY A SER I'm going to be
	VOY A TENER I'm going to be
	VOY A HACER I'm going to do
	VOY A VISITAR I'm going to visit
	IRÉ I will go
	SERÉ I will be
Simple future	TENDRÉ I will have
	HARÉ I will do/make
	VISITARÉ I will visit
	IRÍA I would go
	SERÍA I would be
Conditional	TENDRÍA I would have
	HARÍA I would do/make
	VISITARÍA I would visit
	Si ganara la lotería, iría a Nueva York If I won the lottery, I
	would go to New York
	Si pudiera, trabajaría de médico If I could, I would work as
	a doctor
Si clauses	Si pudiera, estudiaría español en la universidad If I could, I
Si ciauses	would study Spanish at university
	Si fuera rico/a, compraría una mansión If I were rich, I
	would buy a mansion
	Si tuviera dinero, viviría en España If I had money, I would
	live in Spain
	OJALÁ PUDIERA I wish I could
	OJALÁ HUBIERA I wish there were
Subjunctive	CUANDO SEA MAYOR when I am older
	NO CREO QUE SEA I don't think it is
	PUEDE QUE TENGA I/it may have
	ES UN SOL he/she is a star
	HABLANDO CON LA MANO EN EL CORAZÓN being honest
Idiom	ESTOY EN MI SALSA I am in my element
	ME HACE ILUSIÓN I am excited about
	CUESTA UN OJO DE LA CARA it's expensive

TEXTILES

Key words:

Bobbin - a cylinder or cone holding thread, yarn, or wire, used in weaving and machine sewing.

Embroidery - Decorative hand stitching.

Heat trapping - Fusing different materials in plastic.

Slashing - Layers of fabric where the top layer is cut away to reveal the layers underneath.

Warp - Vertical structure of a weave.

Weaving - Forming fabric by interlacing threads.

Weft - Horizontal woven threads of a weave.

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Sketchbook Presentation Success Criteria

- $\checkmark\,$ Used appropriate colours in the background, title and writing.
- ✓ Used appropriate font for the title.
- Considered the layout of my page before sticking it down.
- Creatively laid out my work on the page e.g. used flaps, layered work, used a window, mounted the work.

How to pick up the bobbin thread:



1. Holding the top thread with your left hand, wind the balance wheel towards you.



3. Keep winding the balance wheel towards you (keep hold of the top thread!) you will start to see the bobbin thread come up.



5. Pull the loop until you bring up the end of the thread.



2. Keep winding the wheel towards you until the needle had gone down into the bobbin case.



4. When the bobbin thread has been pulled up by the needle there will be a loop.



6. Take both threads to the back of the presser foot.

