Home Learning Booklet



Knowledge Goals Year 7 Half Term 3

How to self-test

Mind mapping

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

How to mind map:



Information for parents on knowledge retrieval



Flash cards

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

How to mind map:



How should students use the Knowledge Goals booklets?

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

How can parents support?

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

Page No Subject Teir 2 Vocabulary 4 Art 6 Biology 8 Chemistry 10 Computer Science 12 14 Drama English Language 16 Food technology 17 Geography 19 History 21 Materials 23 Pdev 25 PE 27 Physics 29 Maths 31 Music 34 RS 36 Spanish 38 Textiles 40 Freya model templates 42

Subject Index

Suggested Homework Schedule (1 hour of independent study per night if you have not been set homework by your class teacher).

To help you get organized, we have planned out your weekly home learning to cover all subjects. You may choose to create your own version:

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

Week B

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

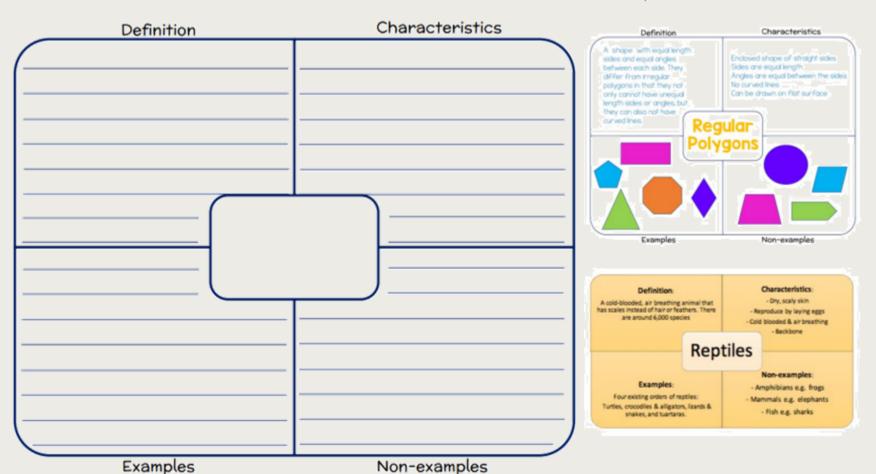
Literacy Tier 2 Vocabulary

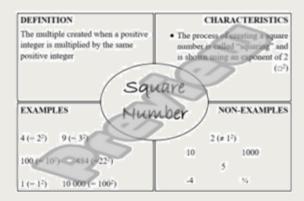
These words are all 'tier 2' words; in other words, they are seen as 'academic vocabulary' and if you know them, can understand them and use them, you will do better in your exams and be able to communicate more precisely and effectively in life.

#	Key word	Definition
1	Adequate	
2	Ambiguous	
3	Attribute	
4	Decipher	
5	Exemplify	
6	Pivotal	
7	Stability	
8	Sufficient	
9	Turbulent	
10	Validity	

Literacy Tier 2 Frayer Model

examples







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

Art year 7 term 2

Module overview

Using portraiture as your theme, you will investigate a range of media and techniques to create a self-portrait using paint and printmaking. We will explore the work of Delita Martin to gain understanding of how culture and narrative can be used to convey meaning.

Key words

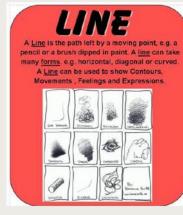
Vibrant, collaged, overlapped, contrasting, pattern, focal point, culture, symbolic

Delita Martin information

Delita Martin was born in Conroe, Texas in 1972. She is currently based in Huffman, Texas. Martin received her BFA in drawing from Texas Southern University and MFA in printmaking from Purdue University.

Martin's influences include Elizabeth Catlett. Delitia also inspired by the African aesthetics she has learned exists throughout Black culture.

Delita Martin uses drawing and printmaking to create works that explore identity. In her work, she combines signs and symbols to create a visual language. Martin offers identities and narratives for women of colour.



something. This could be a shade or how dark or light a colour appears

be just an outline or it could be shaded in.

Form is a three dimensional shape such as a sphere, cube or a cone.

Sculpture and 3D design are about creating



Space

Refers to the distances or areas around, between, and within components of a piece.

Assessment criteria

- ⇒ Clear textured and patterned prints
- ⇒ Clear textured wax rubbings
- ⇒ Neat application of paint with smooth outlines
- ⇒ A high level of detail in your drawing
- ⇒ Smooth shading and blending with pencil
- ⇒ Neat and precise cutting out
- ⇒ Creative use of your chosen colour theme

mixing any two Primary Colours together we get a Secondary Colour;

Patterns can be manmade. like a design on fabric





are two types of texture: Actual Texture and Visua

Actual Texture- really exists so you can feel it or

created using different marks to

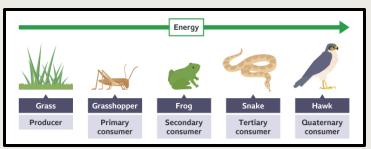


Martin's work *Mirror Mirror*, currently on view at the Art Museum of Southeast Texas

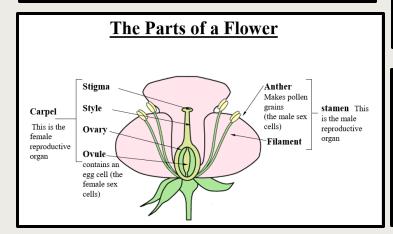
"These images represent strength and emotion in the aftermath of Diaspora - the displacement of the African people. These works are a gathering of sisters, mothers, daughters and women who show a solid resolve to survive life's obstacles and define love and commitment. Their faces also reflect the love and passion they feel for their men, their fathers, husbands and sons. These women challenge us to reflect on a deeper meaning behind the surface. They compel us to look into their faces and respond to their tenacity for life.

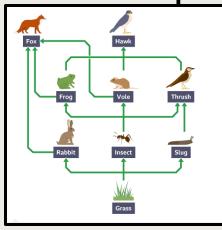
In these works I have used my experiences as a Black woman and artist to speak about women of colour. I believe these portraits present a humble, yet very solid awareness of the diversity among women of colour. Throughout the series, women are represented by earth tones such as amber, mahogany, and Indian red. These images come from my cultural memory; the faces belong not just to one woman who lived before, but come from many. I create these images as a visual language to tell the story of each woman. The frame surrounding each portrait embodies the act of memory; it relates to the preservation of the past and constructs meaning for the present. By combining portraits, text, and symbols; I offer a glimpse into the life of women who carry the weight of the world on their shoulders. Whether bitter or sweet, fearful or courageous; they tell stories and sing songs of patience, integrity, faith, strength and always love" delita martin

Knowledge Goals: Biology – Interdependence and plant reproduction

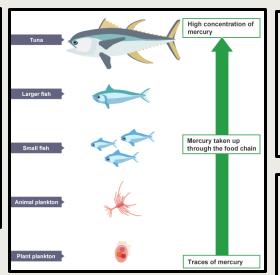


- The arrows in a food chain or web represent the transfer of energy from one organism to another.
- All food chains and webs must begin with a producer, an organism that produces its food using photosynthesis.
- Energy is lost along a food chain this is why food chains don't contain more than 5 different organisms.





- Food webs show how many different food chains are linked. The food web above includes the following food webs:
- grass \rightarrow insect \rightarrow vole \rightarrow hawk
- grass \rightarrow insect \rightarrow frog \rightarrow fox
- grass \rightarrow insect \rightarrow vole \rightarrow fox
- The male gametes are contained in the pollen grains produced in the .
- The female gametes (egg cells or ova) are produced in the ovule found in the ovary.



 Toxic materials are poisonous. Some quickly break down into harmless substances in the environment. Others are persistent (they stay in the environment and do not break down). These substances accumulate in the food chain and damage the organisms in it, particularly in the predators at the end of the chain.

- Insect-pollination of flowering plants is responsible for the majority of the world's flowering diversity and is an essential part of plant reproduction.
- Flowers have bright colours, smells and nectar which encourage pollinators to pay them a visit.

Many crops depend on pollination by insects to survive. Bees, butterflies, beetles, moths and flies are all. Without them, would be threatened and there would be a worldwide shortage of fruit; especially apples, plums and pears. Many plant species could also decline or become along with the organisms that directly or indirectly depend on them.

Bees are facing many threats globally. These include habitat loss, climate change, toxic pesticides and disease.

Self-pollination: The pollen grain lands on the same flower it originated from.

Cross-pollination: The pollen grain lands on a different flower to the one it originated from.

Knowledge Goals: Biology – Interdependence and plant reproduction

Half Term 3: Tier 3 Vocabulary		
#	Key word	Definition
1	Food web	Shows how food chains in an ecosystem are linked.
2	Food chain	Part of a food web, starting with a producer, ending with a top predator.
3	Ecosystem	The living things in a given area and their non-living environment.
4	Population	Group of the same species living in an area.
5	Pollination	Transfer of pollen from the male part of the flower to the female part of the flower on the same or another plant.
6	Fertilisation	Joining of a nucleus from a male and female sex cell.
7	Consumer	Animal that eats other animals or plants.
8	Decomposer	Organism that breaks down dead plant and animal material so nutrients can be recycled back to the soil or water.

Notes:

Knowledge Goals: Chemistry – Metals and non-metals / acids and alkalis

Metals	Non-metals
Shiny	Dull
High melting points	Low melting points
Good conductors of electricity	Poor conductors of electricity
Good conductors of heat	Poor conductors of heat
High density (heavy for its size)	Low density (light for its size)
Malleable (hammer into shape) Ductile (make into wires)	Brittle (breaks easily)

Displacement Reactions

Displacement reactions involve a reaction between a metal and a compound of a different metal.

A more reactive metal will displace a less reactive metal from its compounds.



For example, more reactive iron will displace less reactive copper from a copper sulfate solution. Iron + copper sulfate --> Iron sulfate + copper

Reaction:	Metal + acid	
General equation:	Metal + acid ────────────────────────────────────	
Example:	lron + hydrochloric acid → lron chloride + hydrogen	
Observations:	Bubbles, change in temperature, change in mass	

Reaction:	Metal + oxygen
General equation:	Metal + oxygen → Metal oxide
Example:	lron + oxygen → Iron oxide
Observations:	Change in colour, change in mass

Some acids and alkalis are safe to handle but most are dangerous chemicals.

Hazard symbols are used to show the risks associated with each chemical.







Toxic

Corrosive

Irritant

The **pH scale** tells us how acidic or alkaline a substance is.

> **Neutral solutions = pH 7 exactly** Acidic solutions have pH of < 7 Alkaline solutions have pH of > 7

Indicators are used to find out whether a solution is acidic or alkaline.

There are two main types of indicator:

- **Universal indicator** = turns **red** in acids, purple in alkaline solutions, and green in neutral solutions.
- Litmus paper

Red litmus turns blue in alkaline solutions

Blue litmus turns red in acidic solutions

NEUTRALISATION

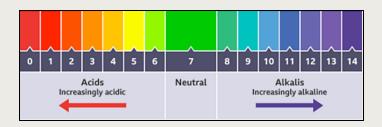
A **neutralisation** reaction occurs when an acid and an alkali are mixed together. The acid and base react together to form two neutral substances: salt and water.

acid + alkali → salt + water

hydrochloric acid + sodium hydroxide → sodium chloride + water

Uses:

- Indigestion tablets to neutralise stomach acid
- Neutralising acidic soils to improve crop yields.

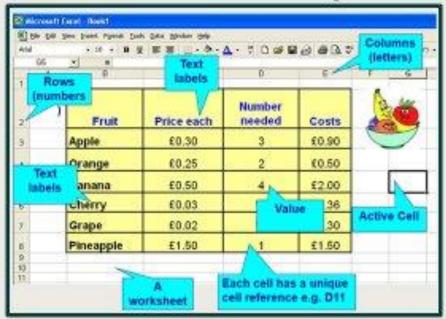


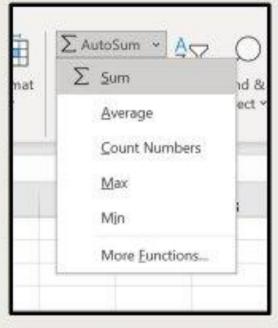
Knowledge Goals: Chemistry – Metals and non-metals / acids and alkalis

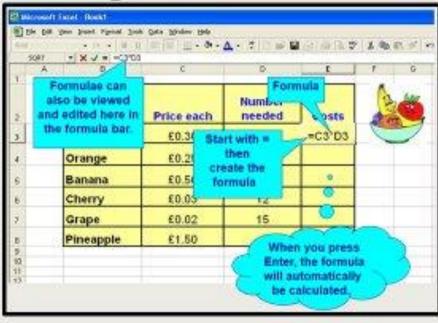
Half Term 3: Tier 3 Vocabulary		
#	Key word	Definition
1	Metals	Shiny, good conductors of electricity and heat, malleable and ductile, and usually solid at room temperature.
2	Non-metals	Dull, poor conductors of electricity and heat, brittle and usually solid or gaseous at room temperature.
3	Displacement	Reaction where a more reactive metal takes the place of a less reactive metal in a compound.
4	Oxidation	Reaction in which a substance combines with oxygen.
5	Reactivity	The tendency of a substance to undergo a chemical reaction.
6	рН	Scale of acidity and alkalinity from 0 to 14.
7	Indicators	Substances used to identify whether unknown solutions are acidic or alkaline.
8	Acid	Substance that has a pH lower than 7.
9	Base	A substance that neutralises an acid – those that dissolve in water are called alkalis.
10	Concentration	A measure of the number of particles in a given volume.

Notes:

Knowledge Goals: Computer Science – Spreadsheet Modelling







A spreadsheet is a tool that is used to store, manipulate and analyse data. Data in a spreadsheet is organized in a series of rows and columns and can be searched, sorted, calculated and used in a variety of charts and graphs. Data is stored in **Cells**, each having a unique identifier made up of its **Column letter** and **Row number**, just like coordinates on a map.

Data in a spreadsheet can be manipulated by using many in-built functions which can be accessed from the AutoSum dropdown menu. Mathematics can be used to manipulate data. Here are the common symbols used in computing. These are called Mathematical Operators.

Formula Rules: All formula must start with = To add something, use + To subtract something, use To multiply something, use * To divide something, use /

Knowledge Goals: Computer Science – Introduction, what is a Computer?

	Half Term 2: Tier 3 Vocabulary		
#	Key word	Definition	
1	Spreadsheet	A tool that is used to store, manipulate and analyse data	
2	Cell	A rectangular area formed by the intersection of a column and a row.	
3	Column	A collection of cells aligned vertically in a table (up and down).	
4	Row	A row is a horizontal line of cells in a table (running left to right).	
5	Formula	A ,athematical expression that operates on values in a range of cells and returns a result.	
6	Modelling	The process of providing a visual representation of data sets and their context	
7	Data	Facts and statistics collected for reference or analysis	

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Knowledge Goals: Drama

https://www.bbc.co.uk/teach/school-radio/history-ks2-world-war-2-clipsnews-report-on-evacuation/z74q8xs

Split Staging
Some plays demand that you divide the acting area into more than one space, eg the office and the factory floor.

This may or may not be created realistically. If you're performing with the minimum of staging, it's important that you maintain the illusion of the two areas by very precise positioning of imagined doors.

You must make sure any mimed routines such as using door keys are repeated in exactly the same way by each performer. Even with realistic staging you'll probably need to be careful about things like entrances to each area in order to sustain the illusion.



A thought-track is when a character steps out of a scene to address the audience about how they're feeling. Sharing thoughts in this way provides deeper insight into the character for an audience. In rehearsal it's an effective way of exploring characters and scenes in greater depth.



Notes:
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Knowledge Goals: Drama

Half Term 3: Tier 3 Vocabulary				
#	Key word	Definition		
1	Freeze Frame	Creating an image to tell a story with your bodies. No movement.		
2	Thought Tracking	when a character steps out of a scene to address the audience about how they're feeling		
3	Improvisation	Making it up as you go along!		
4	Hot Seating	A way to get to know your character by answering questions, in character.		
5	Mime	Movement without sound.		
6	Role Play	Imagining the perspective of a person in a situation and speaking and behaving in the way you think they would.		
7	Empathy	Understanding and sharing another person's experience.		
8	Flashback	interrupt the chronological order of the main narrative to take a reader back in time to the past events in a character's life		

Notes:

https://www.youtube.com/wat ch?v=0SYDBJAwYCI https://www.youtube.com/wat ch?v=HFBIvWkNEKU

Crime and Mystery Genre: Key Features

A puzzling problem or crime

- A detective or investigator
- Suspects and a villain
- A trail of clues
- A final plot twist Characters

A mystery needs to keep the reader turning the pages by building up tension and suspense. There needs to be jeopardy, memorable characters and a plot twist

Home Learning Tasks:

- Complete 15 minutes of reading every night, using your AR book.
- Complete the vocabulary acquisition quizzes, set on Teams every fortnight.
- Using this knowledge organiser, learn and review the key ingredients of crafting effective narratives.
- 4) Read at least one text from

Characters

You will find many different characters in a crime story: victims, suspects and villains, but the most important character is often the detective – the person investigating the crime itself. This could be: an amateur sleuth, a private investigator or a police detective.

How you can learn about characters:

Physical traits - what the character looks like

Dialogue – what the character says

Actions - what the character does

Point of view - what the character thinks How other characters react to them.

The History of Crime Fiction

The roots of the crime and mystery genre can be traced back to the 18th century, when stories of real-life crime, and the biographies of notorious criminals, were published in The Newgate Calendar. (Newgate was a famous prison in London, where condemned prisoners were held before being executed at Tyburn gallows.) In the first half of the 19th century, readers could find sensationalist stories of crime and mystery in 'penny dreadfuls' – inexpensive novels printed on cheap paper and published in instalments. 'The Murders in the Rue Morgue' (a short story written in 1841 by Edgar Allan Poe) is viewed by many people as the first classic mystery story. It introduced features that now define the genre: • a puzzling crime • a masterful detective • an ingenious solution.

Narrative voice - Crime stories are often told in the first person ('I') so that the reader shares the narrator's viewpoint as they uncover the clues to solve the mystery. The perspective or opinion the story told from, the narrative voice, will create different responses from the reader depending on who is narrating the story.

Pronouns:

First person = 'I'

First person plural = 'we' Second person = 'you'

Third person = 'he'/'she'/'they

The Apostrophe strong in the strong and a strong a strong

Possession

In speech we add an s to show possession or ownership. In written English, we also add an apostrophe.

Singular Possession

When showing awnership by one person or subject, an apostrophe and an a are added.

The cortic tail is black



The man's his is wellow.



The shop's sign is broken.



Aisha's horsework wood lister.



Plural Possession

When showing ownership by more than one person or subject, two different rules apply:

When a word already ends in a only add an apastrophu.







Their parents' house was huge.



He found two suspects' DNA.

When a word does not end in s, add an spostrughe and an s.





The children's



school is closed. coverage was biased.

When showing ownership by more than one person or subject in a list, only add an apostrophe and an s to the last mentioned person or subject.



Sophie, Ben and Maya's dog had to go to the vet

You do not need to add an apostrophe to pronouns such as:

ours

theirs

Missing Letters

An apostrophe can be used to indicate that letters have been missed out.

Do not get dirty.



Don't get dirty.

Where is the map?



Where's the map?

I am tailer than my brother.



I'm taller than my brother.

Anna does not need her gloves.



Anna doesn't need her gloves.

To catch the train, she would have to get up at 6 o'clock



To catch the train, she'd have to get up at 6 o'clock.

Common Mistakes

H's = It is It's time to go home.



Its = possessive pronoun Its tail is very long.

You're - You are You're going to be late.

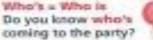


YOU was not Your

Your a possessive pronoun Your coat is

too small.

Who's a Who is Do you know who's



What or What

Whose a possessive pronoun Whose house is that?

We're - We are We're the best team in the league.





Were a verb You were at the shoos.

Can you complete the following sentences?

It's or Its

a long way to the train station.

We're or Were

Who knows where going?

You're or Your

rugby kit is in the wash.

Remember, do not use an apostrophe to make a plural:

CD's will soon be obsolete, just like video's. X







PARTS OF SPEECH

Noun

A noun is the name of a person, place, or thing.

Space Thirtie school pencil home

Adjective

An adjective describes a noun or a pronoun. An adjective tells what kind. now many, or which one

Monry One mone **Bir**

Verb

A verb can full what action someone or something is doing. A verb can also express a state of being-

State of Being MAN. Jump CENT.

Pronoun

A prenoun is used in place of a noun in a sentence. A pronoun may take the place of the name of a person, place, or thing-

Back

Article

The words a, an, and the belong to a special group of adjectives called oracke. An article can be used before a naun in a sentence.

on apple the boy o dog a robbit on ant the bird

Adverb

An adverb describes a verb. adjective, or another adverts. An odwarb telly how, when where, or to what degree

How When quickly tedev Where

So What Degree borely

A preposition combines with a noun or pronoun to form a phrase that tells something about another word in a sentence.

Limit! with 12000

consumption joins regermen words in a sunfamou.

Preposition Conjunction Interjection

An interjection expresses strong feeling ar emotion. An interjection can be a single word or a phrase.

Ouchi Look out! Oh dear!

The boy yelled, "Help!" and he saw a brave dog quickly run to the rescue.

Sentences with welling, you will need to use different and book type. Use in servicy of sentences to reak your writing interesting and lively.

Minor Sentences

Minor sentences are very short, incomplete sembences:



Stop!





Simple Sentences

A simple sentence consists of only one clause, with a single subject and predicate (verb or verb phrasel.

imple sentonos can contain multiple neuro, vertis, adjectives, adverbs, connectives and prepositions, but they cannot certain more than one dame





drove slowly through the twige puddle.

Megan read.



Megan read her favourite actor's autobiography.

The dog barked and growled.



The fieros dog barked and growled loudly.

Compound Sentences

A compound sentence contains two or more main (independent) clauses that are linked by a coordinating conjunction (e.g. and, but, so, for, or).

The comedian told a joke, and the audience laughed. uncontrollably,



It was hot and surray, so we went to the beach.



Complex Sentences

A complex sentence contains a mains clause and a subordinate clause. The subordinate clause supports the main clause and does not make sense on its own.

When he saw the first exam question, he lenew he was in trouble.



Halle was late for school despite walking up early.



To make your writing more interesting, try to vary the types of sentences you use: including adjectives, adverbs and imagery will also make your sentences more engaging.

Capital Letters

- and when to use them.

Starting a Sentence byery sentence starts with a capital letter.

A long time ago, in a galaxy far, far away...

A capital letter is usually required at the start of direct speech.

"Stop that man!" shouted the police officer.

Names and Titles

Serah took her son to see Dr. Williams because he was ill.



Days of the Week and Months

The football game is on Monday 2nd July.



Place Names

I'm moving to Sydney, Australia.



Mationalities and Languages

The man is Mexican but he speaks Spanish.



Companies and Organisations The RSPCA takes care of injured and abandoned animals.



Headings and Book/Film Titles

My favourite book is Alice in Wonderland.



Punctuation

Full Stop

A full step marks the and of a sentence.

icouphine had to push her bike all the way home. The front tyre had a puncture and was completely flat.

Comme

A comma separates items in a list. It is also used to punctuate speech and separate parts of a centence, such or discost, to help clarify meuning. The bug contained trainers, charts, a shirt, socks and a water bottle.

LOT's out Grandma.

Let's est, Grendma.

۲

Question Mark

A question mark indicates the end of a question. What is your name?

Do you know when to use a question mark?



Exclamation Mark

An exclamation mark is used to end a dramatic sentency or statement. Don't put your hand in the fire!

Look out[]





Speech marks, or inverted comman, inclicate direct speech, i.e. the exact words spoken. "I like football," said Sers.
"Me too," replied Elle.
"Which tasm do you support."



A colon introduces extra information, such as a list. If connects parts of a sentance, where the second part provides further explanation of the first.

George thought it was his erum's fault site shouldn't have moved his homowork when she was tidying up.



Semi-Colon

A sensi-colori links twe clauses of equal importance. It is also used to separate Itams in a list, when the list sheady contains comman. The expedition may be on or off it all depends on the weather. The guider are: Sam totes, Biology! Amy Eliot, Physica; and Julia Cooper. Chemistry.



Apostrophe

An apostrophe is used to show exmership or than a letter it missing. The rabbit stall is black, (The tail belongs to the rabbit.)

It is going to rain.

If a going to rain.



Brackets

Brackets are used to indicate parenthesis – eatrs information that is separate from the main aestaces or statement. Cushes use below) son also be used to seporate extra information.



Dashes

Dushes are also used to indicate parenthesis – extra information that is separate less the main sentence or statement. They are twice the length of a hyphes. All of the ingredients tomatees, book, onion, garlic and chill — were ready for cooking.



A hyphen is used to join words together, it can join profitors to root words, and words that are linked, such as compound adjectives.

She is an award/winning novelot.



Digging Deep

Why are readers attracted to this genre?

How do writer's create effective narrative voices?

How do the conventional techniques of a mystery story create suspense?

Is there an archetypal detective and if so, what are the most effective characteristics?

How has the success of the mystery genre been demonstrated in popular culture?

How can you take inspiration from real-life events to create your own mystery story?

Literary Terminology

argument: a reason or set of reasons given in support of an idea, action or theory.

genre: a category of things distinguished by some common characteristic or quality e.g. mystery, adventure, horror

inference: a conclusion which is based on evidence

deduction: the process of drawing a conclusion based on a general principle

subordinate clause: a clause which is dependent upon a main clause and cannot stand alone as a complete sentence

main clause: a clause which contains a subject and verb and makes sense on its own

adjectives: a word that describes a noun, e.g. happy, blue, ferocious

third-person narrative: when the narrator is not a character in the story and relates the action using third-person pronouns, such as 'he' and 'she'

tense: past, present or future

physical traits: The physical characteristics you see when you look at someone. It could be their hair, clothes, nose, or figure

dialogue: conversation

point of view: the opinion of who is telling or narrating the story

climax: the most intense and exciting part of the story

quotation: a word or phrase taken from a longer piece of writing

characterisation: the strategies a writer uses to create a character

tension: suspense or threat

narrative voice: the voice of the character or narrator telling the story

	7.5	
eopardy	danger	
sleuth	detective	
amateur hobby, rather	person who does things as a than a job	
	an unexpected event such as the spect that sends the plot in a new	
pitiable	deserving sympathy	
agitation	upset	
haggard	tired-looking	
all-compreh	ensive taking in every detail	
dog-cart	a horse-drawn carriage	
forensic techniques to solve a crime	using scientific and other study evidence in detail, usually to	
impending	about to happen	
blanched	turned white	
fain readily'	an old-fashioned word meaning	
red herrings mislead	false clues that are planted to	
brogues	a type of shoe	
	inactivity	
torpor		

Knowledge Goals: Food Technology

Personal Hygeine

Good personal hygiene is vital when cooking to avoid the risk of food poisoning.

- Short Fingernails
- Hair Tied back
- Cuts covered with a BLUE plaster
- Wear clean apron
- Jewellery removed
- Wash hands before cooking, after blowing nose, visiting toilet or touching face or hair

Health and Safety

These are essential for everyone's safety

- Wash in hot soapy water
- Don't put hot food in fridge
- · Turn saucepan handles when using
- Don't touch electrical appliances with wet hands
- Store high risk food in fridges
- Use oven gloves

Food Senses

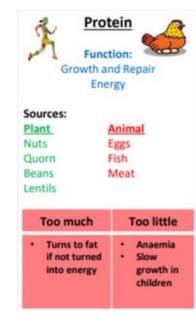
taste, smell, touch, sight, hear

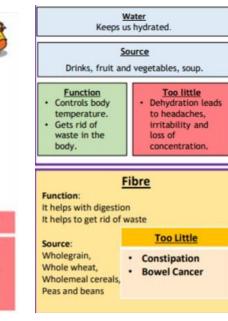
Macronutrients

Needed in large amounts to help the body to function properly









Colour Coded Chopping Boards

Blue - fish

White - bread and dairy

Brown - root vegetables

Red – raw meat

Yellow – cooked meat

Green - vegetables and salad





Knife Skills

Knife pointing down







Knowledge Goals: Food Technology

Half Term 2: Tier 3 Vocabulary			
#	Key word	Definition	
1	Hygiene	The degree to which people keep themselves or their environment clean, especially to prevent disease	
2	Nutrient	A nutrient is an essential substance that the body needs. There are different types of nutrients, such as carbohydrates, proteins, fats, vitamins and minerals	
3	Protein	Protein is a macronutrient that we need for growth, repair and maintenance in the body, especially for bones and muscles	
4	Carbohydrate	There are two types of carbohydrates: 1. simple carbohydrates or sugars such as biscuits and jam 2. complex carbohydrates or starches such as bread and rice Complex carbohydrates give a steadier source of energy.	
5	Fat	There are two types of fat – saturated fat and unsaturated fat, fat is needed in the body to protect internal organs, to provide warmth and energy	
6	Mineral	Iron and calcium are examples of minerals which the body needs	
7	Hydration	Hydration means adding back water that has been lost.	

Notes:	
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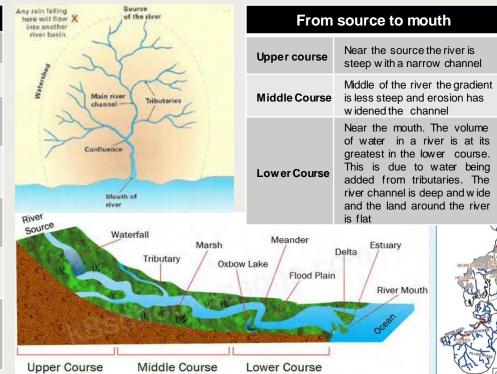


Knowledge Goals: Geography From Bela to Bay



The Water Cycle		
Precipitation	Any moisture/w ater falling from the sky	
Condensation	Water vapour (gas) cooling down and turning into a liquid.	
Evaporation	Water (liquid) w arming up and turning into w ater vapour (gas).	
Infiltration	Water Soaking into the ground.	
Surface runoff	Water running over the surface of the land. It happens when the ground is too wet and no more water can soak in.	
Throughflow	Water soaks into the soil and flows downhill through the soil	
Groundwater flow	Water that has infiltrated deep underground slow ly flows back to the sea or river through the rocks	

Drainage Basin			
Source Where the river begins.			
Mouth	Where the river meets the sea. A small river that joins a larger river.		
Tributary			
Confluence	The point 2 rivers join.		
Drainage basin	An area of land drained by a river and its tributaries.		
Watershed	An imaginary line that marks the edge of a drainage basin.		
Catchment area	the area of land, including the hills and mountains, w oodlands, and buildings w hich water drains from, before flowing into the streams, rivers, lakes and tarns		



	CONDENSATION	Sha
whi.	EVAPORATION	PRECIPITATION
	SURFACE RUNG	
INFILTRATION		7
GROUNDWA		SURFACE WATER

River Processes: Erosion		
Hydraulic Action	Water is forced into cracks in the rock. This forces the air out quickly and breaks down the bank.	
Attrition	The rocks being carried by the water knock into each other and break. This will make them smaller and rounder.	
Abrasion	Rocks carried by the water rub against the river bean and bank, wearing it awaylike sandpaper.	
Corrosion	Acids in the water dissolve some of the rock.	

River Processes: Transportation		
Traction	Large stones are rolled along the riverbed	
Saltation	Smaller stones bounce along the river bed over on a nother	
Suspension	Small particles of rock, dirt and plants float in the water of a river, making it look cloudy	
Solution	Particles of rock and chemical are dissolved and carried along in the water unseen	

River Processes: Deposition

Rivers **deposit** (drop) eroded material as theylose speed when:

- the river becomes shallower
- the amount of water is reduced
- the amount of material being carried increases
- the river reaches its mouth



0 1 2 4 6 8 10 Ki Lune Sub-Catchments
- - SMP Boundary
- Main Rivers
Urban Areas

Lancaster Canal



Knowledge Goals: Geography From Bela to Bay



		Notes:	
#	Key word	Definition	
1	Drainage basin	The area of land drained by a river and its tributaries.	
2	Hydrological cycle	The sum total of all processes in which water moves from the land and ocean surface to the atmosphere and back in form of precipitation.	
3	Erosion	The processes that wear away the surface of rocks and stones, breaking them down into smaller parts.	
4	Transportation	The processes that move rocks and stones from one place to another.	
5	Deposition	The process of dropping eroded material once a river or other agent of erosion has lost energy and cannot carry it any longer	
6	River Long Profile	The long profile of a river is a way of displaying the channel slope (gradient) of a river along its entire length. Therefore, it shows how a river loses height with increasing distance towards the sea	
7	River Cross Profile	River cross profiles show you a cross-section, taken sideways, of a river's channel and/or valley at certain points in the river's course	
8	Upper Course	The part of the river closest to the source. Here the river channel is steepest, narrowest and there is lots of erosion taking place.	
9	Middle Course	The middle section of the river, where the river begins to flatten out and create meanders	
10	Lower Course	The section of the river where it is widest and deepest.	

Year 7 Knowledge Goals – Medieval and Early Modern England

















The Anarchy

1170 Murder of Thomas

15th June 1215 Magna Carta

December 1282 Llwellen the Great killed

1296 Edward I takes control of

1348 Black Death reaches England

Changes to the Church

1381 Peasants Revolt

1455 Wars of the Roses begin

Changes to the monarchy

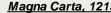
The Anarchy, 1135-1153

- Began after son of King Henry died racing a boat drunk in 1120.
- Lords promised Henry his daughter, Matilda, would become Queen. But when she died, they chose his nephew Stephen.
- Civil War began in England until 1153. It was agreed Stephen would remain King of England. In return, Matilda's son would be





the next King.



The Barons of England became angry with King John because of the failures of his wars in France and him raising taxes without asking him





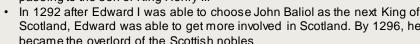
Wars of the Roses, 1455-1485

1430

· They met the King and gave him list of rules that to agree to. This included no man being arrested unless he has broken the law, the King had to ask permission to raise taxes and for trials

Scotland and Wales, 1200-1300

The Prince of Wales Llywelyn the Great was killed in 1282, with the title



Magna Carta, 1215

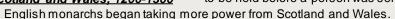
What caused conflict between the Church

and state under Henry II?

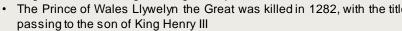
- Henry II appointed Thomas Becket as Archbishop of Canterbury in 1162.
- Becket tried to increase the power of the Church. In 1164 Henry tried to limit the power of the Church by passing laws called the Constitutions of Clarendon.
- After Becket got rid of bishops who had been helping Henry, Henry went into a rant which was heard by some knights.
- The knights went to Canterbury cathedral and murdered Becket.
- Henry II failed to reduce the power of the Church, no monarch challenged the Church again until henry VIII in the

Peasants Revolt, 1381

to be held before a person was sent to prison.

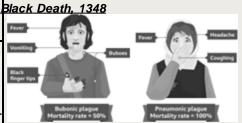


1460



In 1292 after Edward I was able to choose John Baliol as the next King of Scotland, Edward was able to get more involved in Scotland. By 1296, he became the overlord of the Scottish nobles

Changes to society



1450

1440











Henry VI (1422-1461). Briefly replaced by Richard, Duke of York during periods of

poor mental health.

Henry VII (1485-1509). Defeated Richard III at the Battle of Bosworth. Henry married

Impact of the Black Death:

- Killed between third and half of population.
- Upper class donated more money to the Church as they feared it was a punishment from God.
- Peasants asked for more wages, but the 1351 Statute of Labourers made banned this.
- 3000 villages wiped out.

Impact of the Peasants Revolt:

- · Rules forcing peasants to stay on the land they worked on were relaxed.
- Warning to the monarchy that they had to listen to the people of



Knowledge Goals: History Medieval and Early Modern England



		Half Term 1: Tier 3 Vocabulary
#	Key word	Definition
1	Anarchy	When there is no government or order in a country.
2	Clergy	The leaders of the religious activities within the Church.
3	Magna Carta	Signed by King John in 1215 at Runnymede. It guaranteed the people of England certain rights.
4	Black Death	One of the most feared diseases in the 14 th century. It was a type of plague that was spread via the bite of infected rat fleas.
5	Vassal	A man who agreed to fight for their lord in medieval England.
6	Peasant	A person who farmed land that they did not own. They would often pay rent/tax to their lord.
7	Feudalism	A system of organisation where the King gives land to the rich in return for military service. Vassals held land from the rich and promised to serve them. Peasants held land from the vassals and worked on their land while giving the vassal rent.
8	Homage	Paying respect to someone publicly.
9	Revolt	When a group of people join together to take action against their government or ruler.
10	Plantagenet	Royal family who held the throne from Henry II in 1154 to the death of Richard III in 1485.

Notes:

Knowledge Goals: Materials

Health and Safety

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

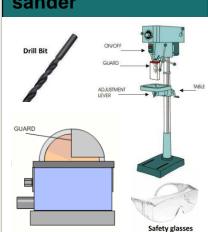
Manufactured

boards

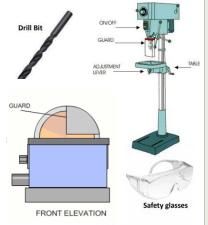
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- Hair must be tied up in the workshop
- Blazers and ties must be removed
- Jewellery must be removed
- Only use machines you have been told to use and have been demonstrated to you
- Ensure you know where the emergency stop button is
- Do not eat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

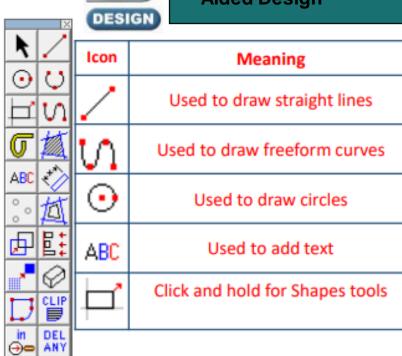
Softwoods



Pillar drill and disc sander



CAD: Computer Aided Design



is trees - Trees stay evergreen ous trees will grow at a faster rate Examples of softwoods

Hardwoods **

CAM: Computer Aided Manufacture

Laser cutter

Laser cutting works by directing the output of a high-power laser The focused laser beam is directed at the material. which then cuts the material leaving an edge with a high-quality surface finish. In school we mainly cut and engrave on Plywood and Acrylic

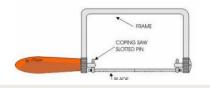


Saws

Tenon Saw For straight lines

Coping Saw For cutting curves





Knowledge Goals: Materials

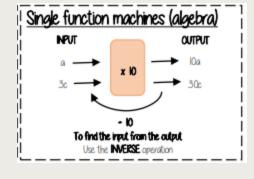
	Half Term 2: Tier 3 Vocabulary		
#	Key word	Definition	
1	Product Analysis	Investigating existing products in terms of their aesthetics, cost, customer, environment, size, safety and function to determine the advantages and disadvantages of the product as part of research	
2	Aesthetics	The look of a product e.g. the colour, theme, texture, finish etc	
3	Tessellation	A tessellation is a pattern of shapes that fit together perfectly, without any gaps or overlaps	
4	Computer Aided Design	Computer-aided design (CAD) is the use of computers to help in the creation of a design, 2D is a piece of software that can allow designs to be laser cut accurately	
5	Timbers	Timbers are different forms of wood that can be used, they are categorised into hardwoods, softwoods and man-made/manufactured boards	
6	Isometric	A design strategy which shows projection or perspective in which the three principal dimensions are represented by three axes 120° apart. They are are a good way of showing measurements and how components fit together.	
7	Scale Drawing	A drawing that shows a real object with accurate sizes reduced or enlarged by a certain amount (called the scale).	

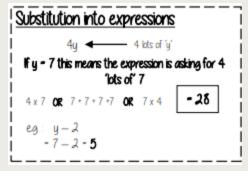
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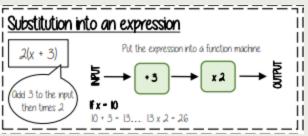
Knowledge Goals: Maths

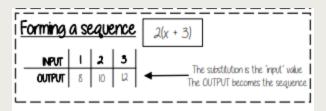
Unit 6 – Introduction to	roduction to algebra	
Topic	Video	Resource
Using function machines	vvaichinis	Complete Q1 and 2 Check your work
Algebraic notation	Watch this	Complete Q1 and 2 Check your work
Forming simple expressions	Watch this	Complete Q1 and 2 Check your work
Collecting like terms	Watch this	Complete Q1 & 2 Check
Substitution	Watch this	Complete Q1&3 Check
Expanding	Watch this	Complete Q1&2 Check
Factorising	Watch this	Complete Q1&2
Sequences nth term	Watch this	Complete Q1&2 Check

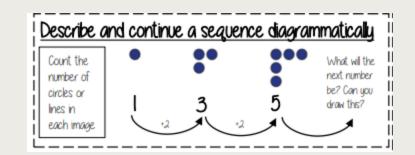
Using letters	to represen	t numbers
5+5+5 3x5 5x3	y*y*y*y yx4 4xy	20 - h 20 h
Oddition and multiplication can be done in any order Commutative calculation	4 lots of 'y'	20 shared into "hi number of groups

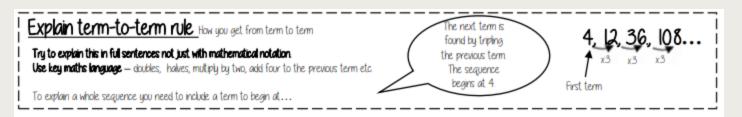






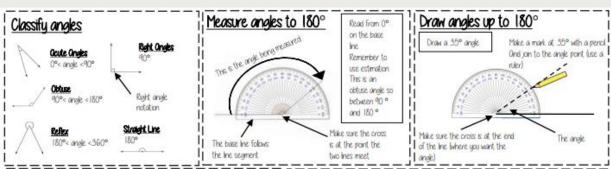


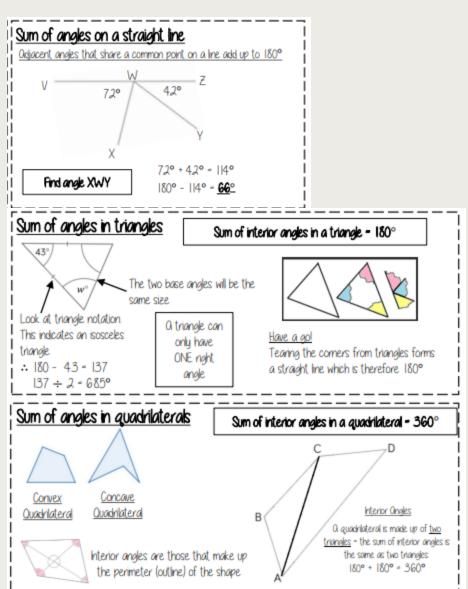




Knowledge Goals: Maths

Unit 7 – Angles and 2D	it 7 – Angles and 2D shapes	
Topic	Video	Resource
Drawing angles	Watch this	Complete Q2&3 Check here
Measuring angles	Watch this	Complete Q1&2 Check here
Finding missing angles (angle facts)	Watch this	Complete Qs 4-6 Check here
Finding missing angles in a triangle.	Watch this	Complete Q1&2 Check here
Finding missing angles in a quadrilateral	Watch this	Complete Q1&2 Check here
Calculating missing interior angles in a polygon.	<u>Watch this</u>	Complete Q1





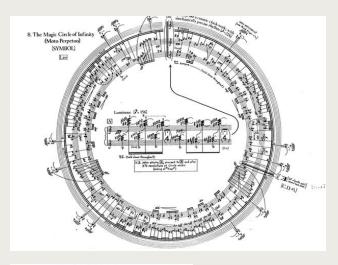
Knowledge Goals: Maths

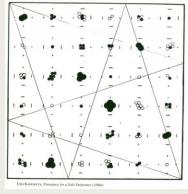
	Term 2: Tier 3 Vocabulary				
#	Key word	Definition			
1	Function	How to get from an input to an output			
2	Operation	A Mathematical process			
3	Substitution	Replace one variable with a number or another variable			
4	Sequence	Items or numbers put in a pre-decided order			
5	Term	A single number or variable			
6	Linear	The difference between terms increases/decreases by the same amount each term			
7	Isosceles triangle	Triangle with two angles and the sides the same			
8	Protractor	Equipment used to measure angles			
9	Polygon	A 2D shape made with straight lines			

Notes:	

Knowledge Goals: Music – Graphic Scores

	Half Term 4: Tier 3 Vocabulary		
#	Key word	Definition	
1	Graphic Score	A score which uses images, symbols and shapes, not traditional notation.	
2	John Cage	An important minimalist composer who used alternative notation.	
3	Prepared Piano	A piano which has been adapted to change its sound.	
4	Rhythm	Different note and rest lengths organised to make interesting patterns.	
5	Avant Garde	New and experimental ideas and methods in art, music, or literature.	
6	Abstract	Music that is not explicitly "about" anything	





Why did Cage use graphic scores?

"Thunderstorm" a graphic notation composition by Alex Chorley, age 12 - YouTube

How has this student used graphic scores?

MONTHLY BUDGET PLANNER

Date	Description	Amount
\neg		† 1
-		
		1

Date	Description	Amount
\rightarrow		
\rightarrow		
Total		

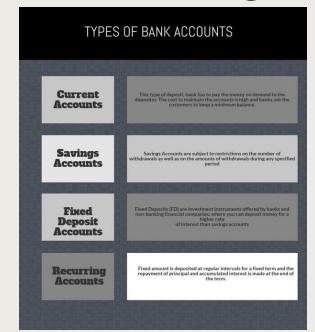
Other Expenses

Description	Amount
	_
	+
	1

Date	Description	Amount
\rightarrow		_
-		_
-		
\rightarrow		_
		1
Total		1

	Goal	Actual	Difference
Earnt			
Spent			
Debt			
Saved			

Knowledge goals: PDev



Credit Cards

Borrowed funds issued by a bank

Can reap rewards, travel points, and discounts

Helps you build credit

Interest rates and fees vary

Too much spending can lead to debt

Offers fraud protection as well as protection against unauthorized purchases

Investopedia



Debit Cards

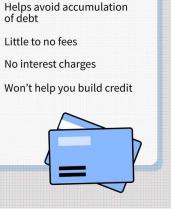
Money deducted from you
bank account

of debt

Little to no fees

No interest charges

Won't help you build credit









FIRST BANK

1234 Main Street, Capital City, OH 12345-0123 1-800-555-1234

USA Small Business, LLC Mr. Jack Smith 345 Maple Street

Account Name: USA Small Business Checking Account Number: 00000012345

Statement Period: 03/01/2021 to 04/01/2021

123-555-5678 **ACCOUNT SUMMARY**

Balance on March 1: Total money in: \$10,273.39 Total money out: \$10,510.07 Balance on April 1: \$27,347.70

Capital City, OH 12345-0123

DATE	DESCRIPTION	WITHDRAWAL	DEPOSIT	BALANCE
	Previous balance			27,584.38
03/02	Internet Bill	75.99		27,508.39
03/05	Electric Bill	253.68		27,254.71
03/06	Check No. 4598 Payment from Lisa Williams		456.84	27,711.55
03/10	Deposit from Credit Card Processor		5,891.26	33,602.81
03/12	Payroll Run	3,894.75		29,708.06
03/16	Debit Transaction Main Office Wholesale	243.46		29,464.60
03/21	Rent Bill	750.00		28,714.60
03/21	Check No. 234 Payment From Mark Moore		268.84	28,983.44
03/26	Payroll Run	3,743.23		25,240.21
03/28	Deposit		3,656.45	28,896.66
03/29	Debit Transaction ABC Business Supplies	1,548.96		27,347.70
	Ending balance			27,347.70

PATRIOT

Knowledge Goals: PDev

	Half Term 3: Tier 3 Vocabulary			
#	Key word	Definition		
1	Expenditure	Any way you personally spend money.		
2	Income	Money that you gain in any way.		
3	Budgeting	A way of balancing your income and expenditure.		
4	Bank account	An account linked to a person/people/business where they can deposit their money and earn interest.		
5	Debit card	A card you use to spend money your money from your bank account.		
6	Credit card	A card you use to spend a bank's money and you then owe the bank.		
7	Interest	Money either 1. that you pay to the bank for borrowing their money or 2. the bank pays to you for putting your money in their bank.		
8	Fraud	Other people illegally trying to take your money.		

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Knowledge Goals: PE



Badminton

- □ Serving I am able to hold the racket using the correct grip for a forehand + backhand serve
- ☐ The Clears To be able to shadow the correct movement and hit the shuttle using an overhead shot, with a forehand grip
- ☐ The Drop Shot I can perform a mid court rally with a partner, using overhead shots
- ☐ The Smash I can hit the shuttle with power in a downward direction using no net
- □ Net Play- I can hit the shuttle softly over the net
- ☐ Game Play I understand which court lines are used for singles and doubles.



Hockey

- □ Ball Control I can identify the different parts of the stick and how to hold the stick correctly.
- ☐ Passing I can execute the sweep pass introducing power and speed but often make mistakes in the accuracy of the pass.
- □ **Dribbling** I can dribble the ball on my forehand side quickly. I can also dribble the ball in a zig zag pattern on the forehand side but sometimes lose control of the ball.
- ☐ Tackling I understand the rules associated with tackling.
- ☐ Game Situations At restarts, I can pass the ball to my own players or when receiving attempt to move to get free from defenders.

- ☐ Ball Control I can control the ball when it comes to me using my feet while not under pressure.
- ☐ Passing I can pass the ball with some accuracy using my inside foot while not under pressure over a short distance.
- □ **Dribbling** I can dribble with the ball with some control over a short distance.
- □ **Defending** I can successfully tackle an opponent in a 1v1 situation.
- ☐ Shooting I can shoot from close range with some accuracy ☐ Performance I can perform a 6 balance routine using the inside of my foot.
- ☐ Game Situations I understand the importance of getting into space to make myself available for a teammate.



☐ Passing – I am able to chest pass the ball to a partner using the correct technique. I am also able to shoulder pass to a partner with less accuracy.

Netball

- ☐ Footwork I can recognise which foot I am allowed to move when I have caught the ball and which one I need to keep still.
- ☐ Attacking skills I am able to move in to a space and catch a ball in a closed skill situation.
- ☐ Defending skills I am able to shadow a player in a closed skill situation.
- ☐ Games Situations I can identify all 7 positions on the court.

Gymnastics

- ☐ Floor I can perform simple movements and balances, rolls and jump movements and include these in a sequence, holding them for 5 seconds with tension.
- ☐ **Jumps** I can recognise the correct take off technique. Perform flight movements (tuck) from the bench and springboard.
- ☐ Apparatus I can take off a springboard or trampette with two feet and squat onto a box.
- showing tension and extension.





Rugby

- □ Evasion/Support Play I can run with the ball and step out of the way of a defender using a lot of space as part of a conditioned drill, working out methods to get past the defence. Demonstrating the 1st 'principle of play' - go forward.
- ☐ Passing & Catching I can pass the ball to a teammate whilst moving slowly forward. I can perform the pop pass whilst moving.
- ☐ Tackling/Defensive Strategies I can perform a side tackle from my knees or front tackle from crouching.
- □ Rucks & Mauls I can present the ball safely and correctly during contact.
- ☐ Game Play I can perform basic skills in a mini rugby game of 'tag' or 'touch' against players of similar standard.

Knowledge Goals: PE

	Half Term 1: Tier 3 Vocabulary			
#	Key word	Definition		
1	Receiving	Getting the ball quickly into a position to execute the next skill. With good receiving players are able to set-up the next play efficiently and easily.		
2	Sweep Pass	The stick comes parallel to the ground, only to swing and hit the ball with an arclike motion.		
3	Ready Positions	Players can react more quickly and with more power to their opponent's hits. To perform a proper badminton stance, the body should be turned to face the opponent's side of the court with the non-racket leg forward and legs at a shoulder width apart		
4	Pressure/Pressing	Pressing is when pressure is applied on the player or the team that's in possession. It's a skill used in all areas of the pitch – to win the ball back, dictate play, or delay the opposition.		
5	Possession	Control of the ball or other implement of play by one team, which typically gives that team the opportunity to score		
6	Tension	Gymnasts can control the action of their body more easily when their body is held tight than when it is a loose collection of individual parts		
7	Extension	pointing toes and fingers, keeping the head up and making the limbs long.		
8	Kick offs/Restarts	Kick-offs are used to start each half of the match or period of extra-time. Restart kicks are used to resume play. 22-drop out		
9	Off-loading	An off load is when a tackled player passes the ball to a teammate before the tackle is completed.		
10	Scrum	The scrum is a means of restarting play after a stoppage which has been caused by a minor infringement of the Laws (for example, a forward pass or knock-on)		

Notes:	







Badminton

Football

Hockey



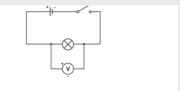


Netball

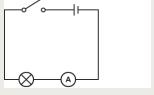
Rugby Union

Knowledge Goals: Physics – Voltage, resistance, and current

	•				
	What is it?	Units	Measured with	Connected in	
Voltage (potential difference)	The "push" provided to charges by the battery or cell.	volt (V)	Voltmeter	parallel	
Current	The rate of flow of charge.	ampere (A)	Ammeter	series	F







There are two types of electrical

negative charge (-).

or repel each other.

the charges.

Positive charges

repel

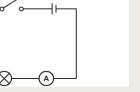
charge: positive charge (+) and

Charged particles (or charges) attract

• There is an electrostatic force between

Negative charges

An ammeter is connected in series.



Bulb

 $-\otimes$ -

R

-(M)-

Ammeter

Battery

Buzzer

Cell

Closed switch

Motor

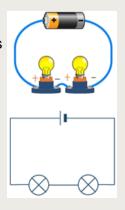
Open switch

Resistor

Voltmeter

SERIES CIRCUIT

- The current is the same in all parts of a series circuit.
- If you add components, the current will get smaller because the resistance is bigger.
- In a series circuit, the potential difference (voltage) from the battery is shared by the components.
- If a bulb breaks, the rest will go out.

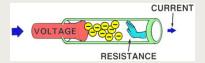


RESISTANCE

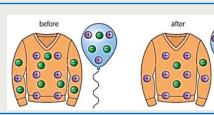
- Each component has a different resistance; this tells you how easy or difficult it is for charges (electrons) to pass through wires or components.
- Resistance is measured in ohms (Ω) .
- Adding more components, increases the resistance, so the current is less.

Resistance in wires is caused by electrons colliding with metal atoms and transferring energy to them.

- Length → longer wire = more resistance
- Thickness → thicker wire = less resistance
- Material of wire → good conductor = less resistance.



Electrons are transferred from the iumper to the balloon. The balloon is charges up. It has more electrons than protons, so it is negatively charged. The jumper is positively charged. They will attract.



Unlike charges attract

resistance (Ω) = potential difference (V) ÷ current (A).

PARALLEL CIRCUIT

- The **current** is shared between the components (when it reaches the branches) and then adds again where the branches meet.
- The **potential difference** across each component is the same as the potential difference across the cell.
- If one bulb breaks, the other lights will stay on.

Knowledge Goals: Physics - Voltage, resistance, and current

Half Term 3: Tier 3 Vocabulary				
#	Key word	Definition		
1	potential difference (voltage)	The amount of energy shifted from the battery to the moving charge, or from the charge to circuit components, in volts (V).		
2	resistance	A property of a component, making it difficult for charge to pass through, in ohms (Ω).		
3	electrical conductor	A material that allows current to flow through it easily and has a low resistance.		
4	electrical insulator	A material that does not allow current to flow easily and has a high resistance.		
5	electrons	Tiny particles which are part of atoms and carry a negative charge.		
6	current	Flow of electric charge, in amperes (A).		
7	field	The area where other objects feel an electrostatic force.		
8	electrostatic force	Non-contact force between two charged objects.		

Notes:



Knowledge Goals: Year 7 Buddhism

Buddhism is one of the world's major religions. It is the world's 4th largest religion, with about 520 million followers.

Buddhists are the people who follow Buddhism. They follow the teachings of a man named Siddhartha Gautama, who became known as the Buddha.

The religion began when Gautama, a prince who had lived a life of luxury, realised that there was suffering in the world, and committed himself to understanding why.

This happened in India around 2,500 years ago.

The holy book in Buddhism is called Tipitaka. Buddhist Temples are buildings designed for Buddhist worship.



Buddhist Beliefs

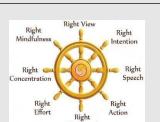
Siddhartha Gautama's Story



- Siddharthawas a rich prince of an area north of India. His mother and father treated him well, and protected him from the suffering in the world.
- As a young man, Siddhartha left the palace for the first time, and was upset by the things that he saw: old age, sidness and death. He decided to leave his comfortable life to see if he could find an answer to the suffering.
- After many years of trying, he satunder a tree (the Bodhi tree) by a full moon and started meditating, h doing this he became Enlightened – he saw the meaning in all things. He was then known as the Buddha.

The Four Noble Truths

- -The Buddhist teachings are known as Dharma. Theyindude the Four Noble Truths and the Eightfold-Path. Buddhism's Noble Truths are:
- 1.Life always involves suffering (dukkha).
- 2. Suffering happens because people are greedy and never satisfied with what they have.
- 3. Greed and selfshness can be overcome.
- 4. The way to overcome them is to follow the Eightfold Path.



The Eightfold Path

Siddhartha created a way of life which ensured that his basic needs were covered. but didn't require any extra comforts. Buddhists try to live following the Eightfold Path: 3.

1. Right viewpoint

3. Right speech

5. Right livelihood

7. Right concentration

2. Right values/thought

4. Right actions

6. Right effort 8. Right mindfulness

Answers to Important Questions and Key Vocabulary

Where and how do **Buddhists** worship? Why?

What is the

Tipitaka?

Where do most

Buddhists live

in the world?



- -Buddhists worship either in temples or at home, often sitting or kneeling facing a shrine of Buddha.
- -They may listen to monks reciting religious texts, take part in chanting, or meditate.
- -Buddhists hope to achieve Enlightenment. They believe that there is a cycle of birth, life, death and rebirth. If a person gains Enlightenment (like the Buddha) they can break out of this cycle, to a place of eternal peace that is known as 'Nirvana.'
- -The Tipitaka is believed to be Buddha's teachings. It is written in an ancient Indian language known as Pali. It is a very large book, that takes up about forty volumes when translated into English! The Tipitaka is made up of three sections of wisdom.
- -About 7% of the world's population are Buddhists.
- -China has the most Buddhists about 250 million Buddhists live there.
- -However, Cambodia has the highest proportion of Buddhists about 97% of its population are Buddhists. There are also lots of Buddhists in Thailand, Sri Lanka, and Japan.
- -Many Buddhists in the far east devote their lives to Buddhism, living in isolation in temples.
- -Buddha's teachings spread far across the Asian continent. As it spread, different peoples formed their own approaches of Buddhism.
- -The three main types are called Theravada, Mahayana and Tibetan Buddhists.
- -Although they differ slightly, they all still keep the basic features of Buddhism.

How many differenttypes of Buddhists are there?

Top 10 Facts!

- Buddhists don't believe in a God who made the world and everything in it.
- Siddhartha's family were Hindu.
- The lotus flower is an important symbol in Buddhism. It is a symbol of enlightenment.
- The name 'Buddha' means 'the enlightened one' or 'the one who knows.'
- Some Buddhists have shrines at home where they are able to worship.

- 6. The teachings of Siddhartha Gautama were not written down until about 400 years after his death.
- 7. Siddhartha Gautama died around age 80.
- 8. 'Puja' is the name for worship in Buddhism. People often light candles as they worship.
- 9. In images of Buddha, faces are always made to look calm and serene, to show that he has a peaceful mind.
- 10. Wesakis an important festival in Buddhism.



Knowledge Goals: Year 7 Buddhism



Term 3: Tier 3 Vocabulary					
#	Key word	Definition			
1	Buddha	A being that has completely abandoned all delusions. Buddha means 'Awakened One'			
2	Dhamma	Buddha's teachings			
3	Dukkha	Pain, suffering, disease and disharmony			
4	Eightfold Path	A summary of the path of Buddhist practices leading to liberation from Samsara.			
5	Nobel Truths	These are the four teachings that form the essence of Buddha's teachings. He realised these truths while meditating under the Bodhi tree.			
6	Samatha	Practicing single-pointed meditation through mindfulness of breathing in order to calm the mind and its 'formations'.			
7	Sangha	Translated as 'community' and referring to the Buddhist community of monks, nuns, and novices.			
8	Tipitaka	The earliest collection of Buddhist scriptures. It contains the texts with the strongest claim to being the words of the historical Buddha			
9	Vispassana	Meditation practiced in Theravada Buddhism that involves concentration on the body or its sensations.			
10	Wesak	Also known as Buddha Day, it commemorates the birth of the Buddha-to-be, Siddhartha Gautama.			

Notes:

Knowledge Goals: Spanish

Palabras In my family En mi familia How many people are ¿Cuántas personas My brothers and there in your family hay en tu familia? Mis hermanos In my family there sisters En mi familia hay Do you have any are three people tres personas. ¿Tienes hermanos? brothers or sisters? my mother mi madre my father to have tener mi padre my grandfather I have .. Tengo ... mi abuelo He/She has .. my grandmother Tiene ... mi abuela one brother my uncle un hermano mi tío one sister my aunt una hermana two brothers mi tía my cousin (male) dos hermanos mi primo three sisters my cousin (female) tres hermanas I don't have any mi prima No tengo hermanos. brothers or sisters. Los números 30-100 Numbers 30-100 I'm an only child. Soy hijo único. (male) treinta 40 I'm an only child. cuarenta Soy hija única. 50 (female) cincuenta 60 What's your brother sesenta 70 Cómo se llama tu setenta ralled? 80 hermano? ochenta What's your sister 90 ¿Cómo se llama tu noventa called? 100 hermana? My brother is called . cien Mi hermano se llama ... 31 treinta y uno My sister is called ... Mi hermana se 42 cuarenta y dos llama ... 53 cincuenta y tres What are your /Cómo se llaman 64 sesenta y cuatro brothers (and tus hermanos? 75 setenta y cinco sisters) called? 87 ochenta y siete What are your ¿Cómo se llaman 99 noventa y nueve sisters called? tus hermanas? My brothers (and Mis hermanos se sisters) are called . Los animales llaman ... Do you have any pets? My sisters are called .. Tienes animales? Mis hermanas se I have ... llaman ... Tengo ... a horse his/her brother su hermano un caballo a guinea pig his/her brothers (and una cobaya sus hermanos a rabbit sisters) un conejo a cat su hermana his/her sister un gato his/her sisters a hamster sus hermanas un hámster a bird un pájaro ¿Cuántos años tiene How old is your adag un perro brother? tu hermano? a.fish un pez He's nine years old. Tiene nueve años. a mouse un ratón

una serpiente

una tortuga

a Stuke

a Toise



nice, kind simpático/simpática lazy perezoso/perezosa shy tímido/tímida intelligent inteligente My eyes and my hair Mis ojos y mi pelo What colour are your De qué color son eyes? tus ojos? I have ... eyes. Tengo los ojos ... _blue azules grey arises brown marrones green verdes What's your hair like? ¿Cómo es tu pelo? I have ... hair. Tengo el pelo ... white blanco brown castaño grey aris -black negro red/ginger pelirrojo blond rubio straight liso long largo short corto curly rizado wavy ondulado I have a beard. Tengo barba. I have a moustache. Tengo bigote. I have glasses. Tengo gafas. Estrategia

Words that you see everywhere!

In every language, there are some words that you will see and hear again and again in different situations. Because of this, they are called high-frequency words. The good news is that you can learn them once and use them again and again, too!

Have another look at Chapter 3. Can you find two or three sentences containing each of the words below?

tengo

no

muy

Knowledge Goals: Spanish

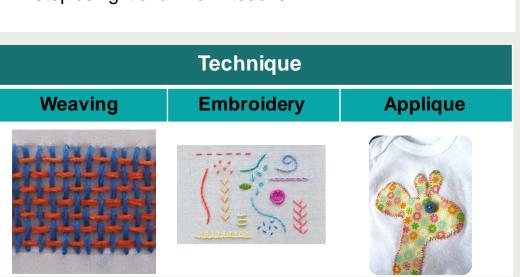
Half Term 3: Tier 3 Vocabulary					
#	Key word	Example			
1	Connective	y, pero, también, porque			
2	Opinion Verb	Me gusta, no me gusta, me encanta, odio			
3	Justification	porque es			
4	Qualifier	un poco, bastante, muy, realmente			
5	Adjective	divertido, aburrido			
6	Time Phrase	normalmente, a veces			

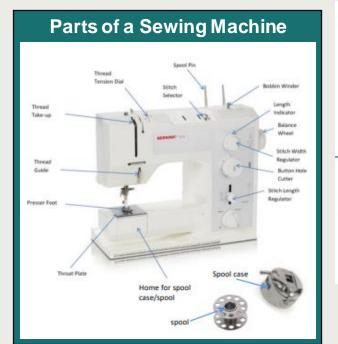
Knowledge Goals: Textiles

Health and Safety

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

- You must walk with scissors facing downwards next to your side
- Watch where you are sewing on the machine
- Do not press the foot pedal to the floor when using the sewing machine
- Make sure you had in Bodkin needles at the end of the lessons
- If the sewing machine makes an unusual noise, please stop using it and inform teacher







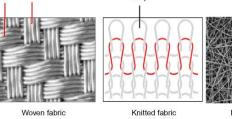


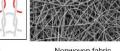




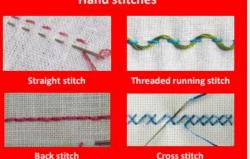
\ 40°/







Hand stitches



Textile equipment



Knowledge Goals: Textiles

Half Term 2: Tier 3 Vocabulary				
#	Key word	Definition		
1	Properties	The qualities the fibres/material have e.g. absorbancy, resistant to abrasion, elasticity etc		
2	Natural fibres	Natural fibres come from plants, animals or insects. They are easily <u>renewable</u> and <u>biodegradable</u> .e.g. cotton, silk, wool		
3	Synthetic fibres	Synthetic fibres are made mainly from non-renewable coal and oil. They do not degrade easily but they can be made into any length (continuous filament) and thickness and for any purpose.		
4	Weft and Warp	Woven fabrics have warps and wefts. The warp runs from left to right and the weft runs 90 degrees to this. Weft yarns are woven over and under warp yarns, and where the weft yarns loop back to form an edge that doesn't fray ,		
5	Smart materials	Smart materials are materials that react to the environment around them, this could be light, temperature, pH level etc		
6	Photochromic	Photochromic is a smart material that reacts to light		
7	Applique	Layers of fabric are placed on top of other fabric in a decorative way and stitched in place		

Notes:								
		•••••						

