



Name:	
Tutor Group:	
Tutor & Room:	

# **AMBITION • KNOWLEDGE • DETERMINATION**

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# How do I complete Knowledge Organiser homeworks?

You will be set a MINIMUM of 2 Knowledge Organiser homeworks in every subject each half term

STEP 1 Identify what words/ definitions/facts you have been asked to learn.	STEP 2 Write today's date and the title from your Knowledge Organiser.	STEP 3 Write out the keywords/definitions/facts you have been set in FULL.
Environment        Environment <td>me. Mathemalics ko Homework at 4. Date: 2/7/19</td> <td>mo mo mo Market - a monter in norther norder's true bits Market - a monter in distance and a state of the Market - the monter with early 2 failers LET- inter a maker with early 2 failers LET- inter a moter with early Constitute - the most state of the Constitute - the most state of the failer of the failer Constitute - the stager on the base and the failer Head States - the adapt on the top of the failers Head States - the adapt on the top of the failers Market - the moltpload on of 2 ar more numbers</td>	me. Mathemalics ko Homework at 4. Date: 2/7/19	mo mo mo Market - a monter in norther norder's true bits Market - a monter in distance and a state of the Market - the monter with early 2 failers LET- inter a maker with early 2 failers LET- inter a moter with early Constitute - the most state of the Constitute - the most state of the failer of the failer Constitute - the stager on the base and the failer Head States - the adapt on the top of the failers Head States - the adapt on the top of the failers Market - the moltpload on of 2 ar more numbers
STEP 4 Cover the definitions in your SELF-QUIZZING BOOK, apart from the first. <b>Read it, Cover it,</b> Say it in your head, check it <u>REPEAT</u> until confident.	<b>STEP 5</b> Cover up ALL the definitions/facts and write them out <u>from memory</u> in your SELF-QUIZZING BOOK.	<b>STEP 6</b> Check your answers and correct where required. Repeat Steps 4 to 6 until you are confident.
n 20 21 22 22 22 22 22 22 22 22 21 21 21 21	<ul> <li>Main Parking of the throughout and a containing large 2/2/10</li> <li>Main Parking of the throughout and the containing large the three is according to enclose the containing large three the second seco</li></ul>	You will be <u>tested</u> on the words/definitions/ facts as a starter activity in your lesson on the day that the homework is due. This will be completed in your normal

# Your Knowledge Organiser and Self-Quizzing Book



### Knowledge Organisers

Knowledge Organisers contain critical, fundamental knowledge that you MUST know in order to be successful in Year 7 and subsequent years.

They will help you recap, revisit and revise what you have learnt in lessons in order to move the knowledge within from your short-term memory to long-term memory.

	None	
	TANO2	-
	Self-quizzing Book	_
	ntation of work	
41994		
		1
	destination in your h	ande

You <u>must</u> bring your Knowledge Organiser and Self-Quizzing Book to **every** lesson and place it on your desk at the beginning of each lesson.

You <u>must</u> keep all of your Knowledge Organisers and Self Quizzing Books because the fundamental knowledge required in Year 7 will also be required in Year 8.

Knowledge Organisers are <u>NOT</u> a replacement for revision guides but they include the fundamental knowledge that ALL students in Year 7 require.



### Self-Quizzing Book

This is the book that <u>all</u> Knowledge Organiser homework is to be completed in. You must follow the simple rules as to how they are to be used

# Y7 Art and Design – Formal Elements

	Key Words		Colar Wheel.
1	Line	The path made by a moving point.	Take and a
2	Tone	The lightness or darkness of something.	Totas
3	Colour	There are 2 types including primary and secondary.	Print Pallint) Print Pallint
4	Primary Colours	Blue, Yellow and Red. They cannot be made, but are used to make all other colours.	Erning
5	Secondary Colours	Green, Orange and purple. These can be made by mixing two primary colours.	Types of Lines
6	Texture	The surface quality of something, the way something feels or looks like it feels.	
7	Pattern	A design that is created by repeating lines, shapes, tones or colours.	
8	Composition	The arrangement or layout of parts of a picture/piece of art.	ñõí

	Techniques	
9	Observational drawing.	Drawing or painting from life.
10	Continuous Line Drawing	A drawing that is made by keeping the pen or pencil in contact with the paper for the whole task.
11	Directional Shading	Shading that follows the contours of the shape to make it look 3D.
12	Mark Making	Is a term used for the creation of different patterns, lines, textures and shapes.
13	Tracing	To make a copy of a drawing/image by going over its lines on a piece of transparent paper.





Butchlas Rurls Zigzogs Scrahle Taks lines waves cross march

### Year 7 Computer Science Term 1 Knowledge Organiser

	İr	nternal Components	11		5	ocial Media Dangers
1	Hardware	The components kept inside a computer.	1	1	Social Media	A website, computer program or
2	Peripheral	A device which can add extra functionality to a computer system. Peripherals can either input or output data from the computer.				application (app) that allows people to communicate and share information on the internet using a computer or
3	Input	A peripheral device which takes data from the real world and enters it into a computer systems.		2	Cyberbullying	smart device People being nasty/ bullying you
4	Output	A peripheral device which takes data from a computer system and presents it into the real world		3	Cyber-	online Adult who stalk/ befriends you and takes advantage
5	Storage	Devices that store virtually all the data and applications on a computer.		4	Grooming	People being nice, offering gifts and
6	Motherboard	Connects all components in the computer together.				affection in return for 'favours' of some kind
7	Processor (CPU)	Performs any calculation and processes instructions given to it.		5	Posting private information	Giving out personal information to others online who you down know
8	RAM	Short term storage which stores instructions for the CPU to process.		6	Phishing	Using professional looking emails to get access to private information,
9	Hard Drive	Stores information in long term memory. Contains magnetic disks inside to store data on.		7	Falling for	usernames/ passwords Falling for the chance to win expensive
10	Head sync	Used to cool down the components and prevent them from overheating.			scams	items such as iPads and smart phone
11	Power Supply Unit (PSU)	Inputs power to the system.		8	Downloading Malware	When you stream movies from illegal websites you may install a virus
12	PCI Slot	Allows the user to upgrade their PC and add extra ports.	1			
13	Assistive Technology	Any object or system that increases or maintains the capabilities of people with disabilities.				

Y7 Exploring Drama- Term 1					
	Areas for Assessment				
1. Creating	The ability to work within a group to create and develop performance work.				
2. Performing	The ability to present a character using physical and vocal skills.				
3. Evaluating	The ability to discuss the qualities of a performance using dramatic language.				
	Explorative Strategies				
4. Still image	Performers use their bodies to create a frozen picture (like a photo) which shows emotions, relationships and narrative.				
5. Thought tracking	Speaking the inner thoughts of your character aloud to understand their feelings.				
6. Hot seating	ng Questioning a character to discover more information about their past experiences and feelings				
	Performance Techniques				
7. Facial expressions	What emotion are they feeling? Where are they looking?				
8. Body language	Open or closed? Does it help the audience understand their feelings and social position?				
9. Gesture	What are they doing with their hands? Can it help the audience understand what is going on?				
10. Proxemics (space)	Where do the performers stand in the space? Does the distance between characters tell us anything about their relationships?				
11. Audience awareness	Are the performers positioned in places where the audience can see them fully?				

PREVENT CROSS CONTAMINATION

Year 7	-Knowledge	Organiser
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1 2	Hazard Food Hygiene	A <b>hazard</b> is anything that can cause harm to someone. <b>Food Hygiene</b> is the practice of storing, preparing and handling food safely to prevent spread of bacteria and food poisoning.	USE CORRECT COLOUR CODED CHOPPING BOARDS & KNIVES RAW MEAT RAW FISH	
2	Personal hygiene	<b>Personal hygiene</b> is the practice of keeping yourself clean to prevent the spread of disease and illness.	COOKED MEATS SALADS & FRUITS	
3	Bacteria	Bacteria are microscopic organisms not visible with the naked eye. <b>Bacteria</b> are everywhere, both inside and outside of your body.	VEGETABLES DAIRY PRODUCTS	
4	Cross contamination	<b>Cross-contamination</b> is the physical movement or transfer of harmful bacteria from one person, object or place to another.		
5	Bridge Hold	<b>Bridge hold</b> is a technique where the thumb and index finger are placed either side of the food item to make a bridge shape. The knife goes under the bridge.		
6	Claw grip	The <b>claw grip</b> uses your fingertips to grip the food in a <b>claw</b> shape keeping the knife away from your fingertips.		
7	Enzymic browning	<b>Enzymic browning</b> is a reaction that takes place in some foods, mostly <b>fruit</b> and vegetables, when exposed to oxygen the food turns <b>brown</b> .	Claw grip	
8	Rubbing in method	<b>'Rubbing</b> in' is a <b>technique</b> where flour is <b>rubbed</b> into a fat. It is used to make shortcrust pastry, crumbles and scones.		

Α.	General opinions		
1	J'adore	I love	
2	J'aime	I like	
3	Je n'aime pas	I don't like	
4	Je déteste	I hate	
5	Je préfère	l prefer	
В.	Connectives		
1	Et	And	
2	Aussi	Also	
3	Mais	But	
4	Ou	Or	
5	Cependant	However	
C.	Description		
1	Je suis	l am	
2	ll est	He is	
3	Elle est	She is	
4	Grand(e)	Tall	
5	Petit(e)	Short	
6	Mince	Thin	
7	Gros(sse)	fat	
8	De taille	Medium sized	
	moyenne		

D.	Description		
	J'ai	I have	
	Je n'ai pas de	I haven't got	
	Les yeux bleus	Blue eyes	
	Les yeux verts	Green eyes	
	Les yeux bruns	Brown eyes	
	Les cheveux longs	Long hair	
	Les cheveux courts	Short hair	
	Les cheveux roux	Red hair	
	Les cheveux noirs	Black hair	
	Les cheveux bouclés	Wavy hair	
	Une barbe	A beard	
	Une moustache	A moustache	
	Family		
	Ma famille	Ma family	
	Mon père	My dad	
	Ma mère	My mum	
	Mon grand père	My grandad	
	Ma grand mère	My grandma	
	Mon frère	My brother	
	Ma soeur	My sister	
	Mon oncle	My uncle	
	Ma tante	My auntie	
	Un frère	1 brother	

F.	Adjectives			Н.
1	Cool	Cool		1
2	Super	Super		2
3	Nul	Rubbish		3
4	Sympa	Nice		4
5	Méchant	Mean		5
6	Amusant	Fun		6
7	Intelligent	Clever		7
8	Bavard	Talkative		8
9	Agacant	Annoying		9
10	Gentil	Kind		10
11	Sportif	Sporty		11
12	ll est	He is		12
13	Elle est	She is		13
14	Ils sont	They are		14
G.	Intensifiers			J.
1	Vraiment	Really		1
2	Très	Very		2
3	Assez	Quite		3
4	Un peu	A bit		4
H.	Time phrases			5
1	De temps en temps	From time to time		6
2	Normalement	Normally		7
3	Le weekend	At the weekend		8
L				

	Ι.	Negative adjecti	ves
1	1	pénible	annoying
]	2	barbant	boring
	3	désagréable	unpleasant
	4	énervant	annoying
	5	agaçant	stressful
	6	ridicule	ridiculous
	7	dangereux	dangerous
	8	déprimant	depressing
	9	impossible	impossible
	10	bête	silly
	11	inquiétant	worrying
	12	nul	rubbish
]	13	inutile	useless
	14	casse-pieds	a pain
	J.	Activities	
	1	Je joue au foot	I play football
	2	On mange au	We eat at the
		restaurant	restaurant
	3	Aller au cinema	To go to the cinema
	4	Faire du shopping	To go shopping
	5	Faire de la natation	To do swimming
	6	Jouer au rugby	To play rugby
1	7	Jouer au foot	To play football
	8	Regarder la télé	To watch TV

1.	Continents o	f the world	3.	Grid refe	rences		
E		A large expanse of land made up of countries. For example, we live in the country England which is in the continent Europe. Each country is part of a continent. There are 7 globally: • Africa • Antarctica • Europe • North America • South America • Asia • Australasia/Oceania.		Often r Grid references These		which replaces a landmark, location or building type. symbols are shown on an OS map key.	
						These are used to find a specific location on a map. They can be four figure or six figure.	
Ocean		A large area of water. There are 5 major oceans globally: Arctic Ocean, Southern Ocean, Pacific Ocean, Atlantic Ocean, Indian Ocean.	Кеу		The explanation of symbols used on a map. Often similar feature		
Latitude		Latitude is how far north or south a place is from the equator (0°).		Noy		are grouped together.	
Longitude		Longitude is how far east or west a place is from the Prime Meridian (0°).	4.	Contour	s		
Dina ati a m			Relief			The height and shape of the land.	
Direction		Which way things are going, or located. Usually shown using a compass.	Contou	r lines.		Contour lines are lines on a map which join areas of the same height. These are shown using meters above	
Equator		The line that divides the northern and southern hemispheres.				sea level. They are an orange colour on an OS map.	
			Spot he	They are shown as a d		Spot heights give the exact height of a point on a map. They are shown as a dot and each dot has a number	
2.	Countries and capital cities in the UK					next to it. This is height in metres (m).	
Country		Nation of people with its own government occupying a particular area. Sometimes they will have their own cultures and traditions. Countries can vary enormously in size.	Triangu	middl		These are shown as blue triangles with a dot in the middle. They are what surveyors use to find the exact height of a specific place. This is height in metres (m).	
County		These are found within a country. They are divisions of a country e.g. South Yorkshire is the county Sheffield is located in.	5.	Scale			
,						The size of objects on a map compared to their size in the real world. A scale line is often used on a map.	
Human Ge	ography	Human geography is the study of people (populations), cities and countries.	]				
Physical Geography		Physical geography is the study of natural geography e.g. rivers, coasts, tectonic processes.	Distance How far something is. Shown in either meters or kilome		mething is. Shown in either meters or kilometres.		
United Kingdom		England, Wales, Scotland and Northern Ireland.	Ň			A 35 Main road Camp site	
Great Britain		England, Scotland and Wales.			Rainery Line +		
British Isles		England, Wales, Scotland, Northern Ireland and the Republic of Ireland.	W		E	Conversion and District Conver	
	nic 1 Coor	raphical Skills	1	sw	SE	Cot D	

## HISTORY 1 of 2

	Yea	r: 7 - Knowledge Topic: World V	•		
380         537           Christianity was made the official religion of the Roman Empire         The Hagia Soph was built in Constantinople	as the capital of the to take to the mon-	1042 Empress Zoe's nephew tried to seize her throne		Key Assess	
			$\sum$	Islamic Cor	
			Key Words – Ind	lividuals – Worl	d Views
324 Stirtechary	632 801 983	1043	1.	The Pope	Head of the Catholic Church
made Constantinople Roman Empire	mad died but his Mus- founded a monas- mirad	ert had his eyes culously restored attacked the city of	2.	Abbasid Dynasty	Line of rulers in Baghdad from 750-1258
	to spread Islam through Arabia and beyond France	aint Foy Constantinople	3.	Astrolabe	An navigation instrument that uses the stars
			4.	Astrology	Studying stars and planets to predict influence
Areas of our study	How do I use my knowledg	<u>e organiser?</u>	5.	Astronomy	Study of space, stars and the planets
1. How do Historians	Have you learnt the key dates of t	his unit?	6.	Baghdad	Capital of the Islamic world c.1000 AD (in modern Iraq)
Measure Time?			7.	Byzantine	Eastern Roman Empire (Capital at Byzantium/Constantinople)
2. Constantinople in 1000 AD	Can you put the dates into chrono		8.	Empire Caliph	Religious and political leader of the Islamic Empire
<ol> <li>Baghdad and the Muslim World</li> </ol>	Have you mastered the keywords	?	9.	Geometry	Mathematics that deals with points, lines, angles and shapes
4. Baghdad's House of	Can you spell them?		10.	House of Wisdom	A meeting place in Baghdad for scholars to discuss knowledge
Wisdom 5. Knowledge in Muslim	Can you define them?		11.	Monk	A religious person that has devoted themselves to god and lives in a monastery
World	Have you understood the key cond	cept?	12.	Mosque	A Muslim place of worship
6. Science an d Medicine in			13.	Роре	Head of the Roman Catholic Church
the Muslim World	Can you explain what an event/in	dividual/place in	14.	Relic	The remains of a saint's body or belongings
7. Significance of Baghdad         history reveals about a bigger picture or bigger idea?			15.	Silk Road	The land route used for trade between China, the Middle East, Europe and North Africa

### 2 of 2 HISTORY



			1 de	10 Com
Are	eas of our	Key \	Nords & Key peopl	e - Conquest
study		1	Anglo Saxons	The people will England befor
	<u>glo Saxon</u> <u>gland</u> Society	2	Edward the Confessor	An Anglo-Saxo died in Januar crisis– who wo
9. 10.	Government Economy	3	Harold Godwinson	The Anglo Sax England in Jan
11.	Royal Family	4	Vikings	Seafaring peo wanted to rule
-	r <u>man</u> nquest Claimants	5	Harald Hardrada	A fearsome Vi king of Englan
1. 2.	Harold	6	Normans	Former Viking Normandy, Fra
3.	Fulford Gate 4. Battle of Stamford Bridge	7	William of Normandy	The Duke of N he should be F
4.		8	William the Conqueror	The name we Normandy aft Saxons and be
5.		9	Claimant	One of three of of England in 2
5.	Hastings	10	Monarch	The King or Qu
<u>No</u> 1.	Norman Control	11	Succession	A new monard last one
	William's problems	12	Oath	A promise, be God
2.	Harrying the North	13	The Witan	Anglo-Saxon n their king, the
3. 4.	Feudalism Castles	14	Fryd	Anglo-Saxon p from villages v
5.	The Domesday	15	Huscarls	Trained profest soldiers
6.	Book The Church	16	Shield Wall	A long barrier together as a
7.	Everyday life	17	Archer	A soldier with
8.	Change &	18	Cavalry	Soldiers who f
	Continuity	19	Tactic	A planned stra
		20	Bayeux	A 70-metre-lo
			Topostru	tolls the story



Tapestry

The people who lived in and ruled

died in January 1066. This caused a

crisis- who would be the new king? The Anglo Saxon who became king of

A fearsome Viking who wanted to be

Normandy, France, and built an Empire

Normandy after he defeated the Anglo-

One of three challengers to the throne

A new monarch taking over from the

A promise, believed to be witnessed by

Anglo-Saxon noblemen who first chose

Anglo-Saxon part-time soldiers, came

A long barrier of shields, held close

Saxons and became king of England

The Duke of Normandy who thought

he should be King of England

The name we give to William of

The King or Queen of a country

their king, then advised him

from villages when needed Trained professional Anglo-Saxon

together as a tactic in battle

A soldier with a bow and arrow

Soldiers who fought on horseback

A planned strategy to use in battle

A 70-metre-long embroidered cloth,

tells the story of the Norman Conquest

England before 1066 An Anglo-Saxon king of England. He

England in January 1066 Seafaring people from Scandinavia who

wanted to rule England

king of England Former Vikings who settled in

of England in 1066

# Year: 7 - Knowledge Organiser **Topic:** Norman Conquest and Control



Figure 1: Conisbrough Castle: A Norman motte and bailey castle that you can visit. It is 12 miles away.

	Key dates – Norman Conquest Control				
	1	January 1066	Edward the Confessor Dies		
	2	September 1066	The Battle of Stamford Bridge		
	3	October 1066	The Battle of Hastings		
	4	1069	The Harrying of the North		
	5	1086	The Domesday Book is published		
L					

To repeatedly attack someone or something

A simple castle with a man-made hill (the motte)

The structure of medieval society - see Figure 2

surrounded by a stone or wooden-walled fortification

The important book ordered by William that records a

great survey of possessions in every village in England.

Building to defend a place from attack

To examine or measure something

To fight against a ruler

(the bailey) - see Figure 1

#### Key Words - Norman Control

Harrying

Motte and

The Feudal 5

Domesday

Bailev

Castle

System

The

2 Revolt

3 Fortification

Λ

6 Survey

7

	and a	KING	6	
OTTOTAL	C		HOBLES	Inen Inen
and appendix			NODELS	
N Vass		余彩	n the	4
015		PEASANTS	101	80

Figure 2: The Feudal System - shows who had power and responsibilities after 1066 in Norman England.

Key Assessment questions	How do I use my knowledge organiser?
Why did William win the Battle of	Have you learnt the key dates of this unit?
Hastings?	Can you put the dates into chronological order?
<ul> <li>How did William take control of England?</li> </ul>	Have you mastered the keywords?
<ul> <li>How far did England change under the Normans?</li> </ul>	Can you spell them? Can you define them?

### Book

1	How do I use my knowledge organiser?					
	Have you learnt the key dates of this unit?					
	Can you put the dates into chronological order?					
	Have you mastered the keywords?					
	Can you spell them? Can you define them?					

### LITERACY 1 of 2

#### Can I write in paragraphs?

#### The **TIPTOP** rule

You move onto a new paragraph when you change time, place, topic or person.

- 1. I always start an essay with an introduction which addresses the question.
- 2. I finish an essay with a conclusion to summarise the main points of my argument and to address the question again.
- 3. I use connectives in each paragraph to link my ideas and to put them in a logical order.

Furthermore Whereas Nevertheless Alternatively	But Since Yet Therefore	Meanwhile Nonetheless However Although
	Besides	•
Consequently	Besides	Moreover

#### Have I used the correct grammar?

I am aware that I must use language that is appropriate to my reader.

No slang that lesson was bangin'

No informal language I'm gonna do my homework now

#### Other things to consider:

 $\checkmark$  I am clear about the purpose of this piece of writing

- ✓ I know who my audience is
- ✓ I will use a suitable layout and text type

#### I am proud of my work because...

- I have written clearly so that my reader can understand my writing easily.
- I have checked my spelling and corrected any errors.
- I have used full sentences with a subject and a verb.
- I have used correct punctuation and grammar.
- I have paragraphed my work using **TIPTOP.**
- My writing is suitable for the person I am writing for

#### Can I spell familiar words accurately?

#### Common contractions

We must use an apostrophe to replace any letter(s) we have left out.

We'd

We'll

We're

Weren't

What's

When's

Where'd

Where's

Who'd

Who'll

Who's

Whv'd

Why'll

Whv's

11 o'clock	l'd
Aren't	I <b>'</b> II
Can't	ľm
Couldn't	lsn't
Didn't	lt'd
Doesn't	lt'll
Don't	lt's
Hadn't	Mightn't
Hasn't	Mustn't
Haven't	She'd
He'd	She'll
He'll	She's
He's	Shouldn't
How'd	They'd
How's	They'll
	- /

#### Can I use different sentence types?

Simple sentences: contains a subject and a verb and can contain an object

Sarah likes to read in the library.

Tom enjoys reading at home.

**Compound sentences:** joins two simple sentences using the connectives: for, and, nor, but, or, yet, so. • Sarah likes to read in the library but Tom prefers to read at home

#### Complex sentences: A complex sentence contains a conjunction such as because, since, after, although, or when .

Because Robert felt tired, he only studied for an

Although the rain had stopped, the pitch was still water-logged.

Paul enjoys Music, however, he is more proficient in Art.

#### Homophones

#### I have checked that I have not mixed up my homophones.

affect/effect bare/bear brake/break buy/by grate/great hair/hare hole/whole hour/our knight/night know/no meat/meet

one/won passed/past peace/piece practice (n)/practise (v) read/red sea/see sight/site to/too/two wait/weight weak/week wear/where witch/which

### 2 of 2 LITERACY

#### **Basics:**

□ Every sentence must start with a capital letter. □ Every sentence must finish with some form of punctuation: .?!

□ Proper nouns need capital letters. These are unique people, places or things e.g. there are many cities so 'city' doesn't take a capital letter. However there is only one London, therefore it takes a capital letter.

□ When writing titles of works such as books, films or plays:

Capitalise the first word

- Capitalise any main/important words
- Don't capitalise minor words such as 'and',

**'of' or 'the'** e.g. The Sound of Music, The Wizard of Oz, Harry Potter and the Goblet of Fire

□ When writing speech:

 $\sqrt{Go}$  to a new line when a different person speaks

e.g. "Good morning" said the Headteacher.

"It's the afternoon!" replied the student.

 $\checkmark$ Each person's speech is marked with speech

marks e.g. "Walk on the left" said Mr Mathews.

#### Can I spell accurately?

1. Sound out the word

2. Think about how it looks

3. Think about a similar word

4. Is there a memory sentence for this word? (e.g.

big elephants cannot always use small exits)

5. Find the word in a list -

- Key words list
- · Frequently used words list

Your own word bank

7. Ask a friend or teacher

8. To learn it: look, cover, write , check

9. Once you've solved it, add the correct spelling

to your own word bank.

#### Can I use punctuation?

The Apostrophe I always aim to use apostrophes correctly.

There are two main reasons why we use apostrophes: for possession and to replace a letter or letters

#### Note: Apostrophes are NEVER used to denote plurals

Full stop	1.0	indicates that a sentence has finished
Comma	1	indicates a slight pause in a sentence,
		separates clauses in a complex
		sentence and items in a list
Question mark		goes at the end of a question
Exclamation	1.1	goes at the end of a dramatic
mark		sentence to show surprise or shock
Apostrophe	<u>×</u>	shows that letter(s) have been left out
		or indicates possession
Speech marks	un	indicate direct speech, the exact
		words spoken or being quoted
Colon	÷	introduces a list, a statement or a
		quote in a sentence
Semicolon	÷.	separates two sentences that are
		related and of equal importance
Dash / hyphen	-	separates extra information from the
		main clause by holding words apart
Brackets	()	can be used like dashes, they separate
		off extra information from the main
		clause
Ellipsis		to show a passage of time, to hook the
		reader in and create suspense

#### Apostrophe for Possession

(To show that something belongs to another)

If a single thing/person owns anything, add an apostrophe + 's'. •The dog's bone •The boy's homework •Jones's bakery •Yesterday's lesson However, if it is plural (more than one), an apostrophe comes after the 's'. •The dogs' bones •The boys' homework •Joneses' bakeries (lots of Jones families)

•Many websites' content is educational

#### There/ their/ they're

**Note:** special care must be taken over the use of **there**, **their** and **they're** as they sound the same but are used quite differently:

**There** shows position *Your seat is over there* 

Their shows that 'they' own something Their blazers are navy blue

They're is short for they are as in They're revising every day

#### lts

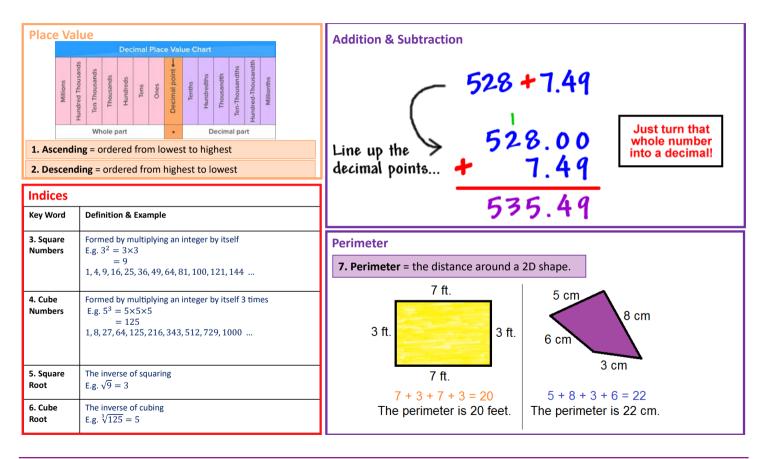
Note: its, which shows that something owns something (like our, his etc), <u>does not</u> take an apostrophe: the dog ate its bone and we ate our dinner

#### Your/ you're

Note: special care must be taken over the use of **your** and **you're** as they sound the same but are used quite differently:

**\*Your** is possessive as in *this is your pen* 

You're is short for you are as in you're coming over to my house



Rounding and Estimation	Significant Figures The first significant	10. Evaluate	0. Evaluate = Calculate the answer.		
<ul> <li>8. Integer = a whole number</li> <li>9. Round = Rounding means making a number simpler but keeping its value close to what it was.</li> <li>Example: Round 8.6 to the nearest integer</li> <li>Round to 8</li> <li>Round to 9</li> <li>8.6 round down ← less than 5</li> <li>5 or more → round up</li> <li>8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9</li> </ul>	figure is the first non-zero digit. just to look nice any zero at s 0.056	significant fig art) Example	gure and the	53 to 2 signif	1 Ficant figures
Negative Numbers           Addition & Subtraction         Find the Sum = add them together		tiplication & Diversion	vision Product	Example	The same rules apply for division
StartDirectionDistanceThe first number (including its sign)+↑ -↓How many you move or down the number	eup	tive $\times$ positive	positive	$2 \times 3 = 6$	
2+3=5 $-2-3=-5$ $23=5$		ative × negative	positive	-2 imes(-3)	= 6
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-1 ↓ -2 neg	ative $\times$ positive	negative	-2  imes 3 = -2	-6
$\begin{array}{c} 2 & 3 & 1 \\ 2 & 4 & 3 \end{array} \qquad \begin{array}{c} 2 & 7 & 3 & 1 \\ -2 & \uparrow & 3 \end{array} \qquad \begin{array}{c} 2 & 7 & 3 & 1 \\ -2 & \uparrow & 3 \end{array}$		tive $ imes$ negative	negative	2 imes(-3) =	= -6

Factors, Multiple	s & Primes	Area		
Key Word	Definition & Example	<b>18. Area</b> = the space inside a 2D shape.		
12. Factor	An integer that divides into another integer exactly. E.g. List the factors of 28	Are	ea	
	1,28,2,14,4,7	rectangle	parallelogram	
13. Multiple	A number in that numbers times tables. E.g. <i>List the first ten multiple's of</i> 7 7,14,21,28,35,42,49,56,63,70	h	h	
14. Highest Common Factor (HCF)	The largest number that is a factor of at least two numbers. E.g. Find the HCF of 28 and 12 Factors of 28: 1,28,2,14,4,7	A = bh	A = bh	
	Factors of 12: $1, 12, 2, 6, 3, 4$ HCF = 4	triangle	trapezium	
15. Lowest Common Multiple (LCM)	The smallest number that is a multiple of at least two numbers. E.g. Find the LCM of 8 and 12	h	h	
	Multiples of 8: 8,16,24 Multiples of 12: 12,24 LCM = 24	$A = \frac{1}{2}bh$	$A = \frac{1}{2} \left( a + b \right) h$	
16. Prime	A number with EXACTLY 2 factors. 2 , 3 , 5 , 7 , 11 , 13 , 17 , 19 , 23 , 29 , 31 , 37	The ' <b>b</b> ' represents <b>base</b> an	•	
17. Product	To find the product means to multiply. E.g. The product of 6 and 7 is 42.	<b>perpendicular height</b> . If a line is perpendicular to another line, it meets it at 90 degrees.		

# 1 of 1 MUSIC

NUMBER	TERM	DEFINITION	
1	Pitch	How high or low the music is.	
2	Тетро	How fast and slow the music is.	ear Rhy
3	Dynamics	How loud and quiet music is.	·7 Te rthm
4	Texture	He layers of music (thick or thin.	erm :
5	Structure	The order of sections in the music	
6	Pulse	The heartbeat of the music, all rhythms fit to a pulse.	. <u>Music</u> Pulse.
7	Rhythm	A pattern of long and short notes	" IO
8	Polyrhythm	A number of different rhythms played at once.	

	Symbol	Name	Value	Groupings that = 1	Rest 🤴	<b>4</b> <sup>14.</sup>
9	0	Semibreve	4		-	4 beats in a bar
10	7	Minim	2		-	
11		Crotchet	1		ş	> 15 Accent
12	♪	Quaver	0.5		7	the note
13	A	Semiquaver	0.25	, <b>.</b> .	7	<b>16.</b> Bar line

### ORACY 1 of 1

#### Art:

 $\Box$  To further develop my idea, I could...

In my opinion...

I have taken inspiration from...

#### History:

□ This links to my next point because...

□ The source is a...

The source was made in...

#### PE:

□ This is a strength because...

This is a weakness because...

I conclude...

#### IT:

□ I agree/disagree with... because...

□ The answer is ... because...

□ I could have improved my work by...

#### EAL:

I like... because...

I don't like... because...

🛛 I think...

#### Maths:

... is incorrect because...
Another way to work this out is...
The mistake is that...

### **Generic:**

You can use these in any lesson:

l think...

□ In my opinion...

□ I agree/disagree with ...

because...

□ The answer is ... because...

Another way of looking at this

is...

□ My first/second/third example is ....

#### English:

□ The writer first establishes the idea that ... when he/she chooses to focus on ...

□ It is clear that...

This is established/reinforced/developed through the writer's use of...

#### Science:

 I can conclude from the data that ... as ... increases/decreases, ... increases/decreases.
 The pattern the data shows is...
 One key fact from the topic was...

#### Technology:

The design could do with...
Aspects I found difficult were...
If I were to do this again I would...

#### Music:

As I listened to the music, I felt...
 This sounds like...
 I would suggest they... to improve their performance

#### Geography:

An example of this is...
 This means that... One positive/negative reason is...

□ Overall, I believe that... The evidence in the figure/source is...

### **Religious Education**

### Origins of Abrahamic Faiths

(\* †

The	stories as a starting point	
1	Genesis	The first book of the Jewish and Christian
		scriptures.
2	Adam and Eve	According to Genesis, they were the first
		human beings created by God.
3	Noah	The hero of the biblical flood story in the
		book of Genesis.
4	The Flood	God's decision to return the Earth to its
		pre-creation state of watery chaos and
		then remake it in a reversal of creation.
5	Original Sin	The first sin of humans which separated
		them from God
6	Polytheism	The belief in more than one god.
7	Monotheism	The belief in one God.

	The beginnings of Islam		
1	Ishmael	Abraham's son who went on to be	
		ancestor to the Muslim people.	
2	Mecca	Holy city for Muslims established by	
		Ibrahim and Ishmael.	
3	Ibrahim The common founder of Judaism,		
		Christianity and Islam.	
4	Kaaba	Important place for muslims, built by	
		Ibrahim	
5	Muhammad (pbuh)	The final prophet of Islam	
6	Qur'an	Qur'an The Holy Book of Islam	
4	Islamophobia	Discrimination against muslims	

	The be	eginnings of Judaism
1	Abraham	The common founder of Judaism,
		Christianity and Islam.
2	Covenant	Conditional promises made to humanity
		by God.
3	Sacrifice	An act of slaughtering an animal or
		person or surrendering a possession as a
		offering to a deity.
4	Isaac	Abraham's son who went on to be
		ancestor to the Jewish people.
5	Moses	The Hebrew prophet who led the
		Israelites out of Egypt and delivered the
		Law during their years of wandering in
		the wilderness.
6	Exodus	Second book of the Jewish and Christian
		scriptures which tells the story of Moses
		and the Israelites.
7	Leviticus	Third book of the Jewish and Christian
		scriptures which contains laws and
		ceremonial practices.
8	The day of Atonement	A religious practice described in Leviticus
		to remove the sins of the community.
	The beg	innings of Christianity
1	Jesus	First-century Jewish teacher who
		Christians believe to be the Son of God.
2	Pharisees	An ancient Jewish group, distinguished b
		strict observance of the traditional and
		written law.
3	Crucifixion	An ancient form of execution in which a
		person was nailed or bound to a cross.
4	Salvation	Saving from sin and its consequences,
		believed by Christians to be brought
		about by faith in Jesus.

		Cells	
	Key word	Definition	
1	Microscope	A microscope is an instrument used to see objects that are too small to be seen by the naked eye.	
2	Magnification	The degree to which something is or can be magnified.	
3	Unicellular organism	A living thing that is just one cell. Examples include bacteria, protozoa and unicellular fungi.	Some Unicellular Organisms Paramecium Amoeba Bacteria Yeast
4	Plants	Multicellular organisms made up of many cells.	cell wall
5	Chloroplasts	Organelle in the cell used for photosynthesis.	nucleus vacuole
6	Vacuole	Contains sap (a sugary solution).	cell membrane cytoplasm
7	Animals	Animals are organisms that are made up of millions of cells.	Nucleus Ribosome
8	Nucleus	Contains genetic material (DNA).	
9	Cell membrane	Controls the substances that enter and exit the cell.	
			Mitochondrian Cytoplasm

10	Tissue	Similar cells working together.	Cells
11	Organ	Tissues work together to perform a unique function.	Tissues
12	Organ system	Organs working together form an organ system.	Organs Organ systems Organism
13	Different	Distinct, separate	Animal cell Plant cell
14	Comparative	The similarity or dissimilarity between one thing and another.	Nucleus Cytoplasm Cell membrane Cell will Chicroplasts
15	Specialised cells	Cells that have developed certain characteristics to perform a particular function.	
16	Motor neuron	These cells communicate with other cells, generating electrical impulses.	
17	Palisade cell	To carry out photosynthesis.	
18	Ciliated epithelial cells	Job in the airway – trapping dirt and moving it along.	English and
19	White blood cell	Making antibodies to fight pathogens.	
20	Root hair cell	To absorb water and minerals from the soil.	Part of the lat
21	Red Blood Cell	To carry oxygen.	and the second
22	Sperm Cell	To swim to the egg and get through the egg cell membrane to fertilise it.	

		Particles	
	Key word	Definition	
1	Solids	Distinct (different ways) in which	States of Matter
2	Liquids	matter can exist.	States of Matter
3	Gases		Solid Liquid Gas
4	Diffusion	Movement of particles from a high	
		concentration to a low concentration.	→
5	Melting	When temperature increases particles vibrate faster (solid -liquid).	Sublimation Melting Boiling
6	Freezing	When temperature decreases particles vibrate slower(liquid-solid).	SOLID LIQUID GAS
7	Evaporation	When temperature increases particles vibrate faster (liquid-gas).	Freezing Condensation Depsosition
8	Condensation	When temperature decreases particles vibrate slower (liquid-solid).	Lepsosition
9	Sublimation	Solid to a gas and vice versa.	

10	Gas pressure	Caused by the gas particles in a container colliding with the walls of the container.	
11	Heating a gas	Particles will have more kinetic energy and will therefore collide with the walls of the container more frequently and with greater force.	
12	Solution	A special type of homogeneous mixture composed of two or more substances.	solution
13	Solute	A substance that will dissolve in a liquid.	Solute + solvent → solution

		Energy	
	Key word	Definition	
1	Energy stores (eight	Chemical, thermal, elastic, potential, electrostatic, nuclear, gravitational	8 Energy Stores
	types)	potential, kinetic and magnetic.	Chemical 👔 Elastic
2	Types of energy pathways	Heating, Lighting, sound, electrical and doing work (forces).	Gravitational 💽 Nuclear
	patilways		🎇 Kinetic 💦 Magnetic
			Thermal Electrostatic

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3	Efficiency	Using less energy to perform the same task – that is, eliminating energy waste.	
4	Conservation	The law of conservation of energy states that the total energy of an isolated system remains constant; it is said to be conserved over time.	Total Useful energy energy output
5	Energy transfer	The conversion of one form of energy into another.	and the second
6	Conduction	Heat transfer from particle to particle by contact.	Conduction Convection Radiation
7	Convection	Transfer of energy by rising hot air or liquids.	
8	Radiation	Heat transfer by a wave	Radiation

9	Insulator	A substance that reduces energy and transfer of heat.			
10	Emit	To give out e.g. to give out heat.	Glass Plastic	Ceramic	Rubber
			Wood	Fabric	Paper

11	Watt	A measurement of power describing the rate at which electricity is being used in a specific moment.	S0 watta
12	Joules	A measure of the capacity to do work or generate heat. It is equal to the work done by a force of one newton acting through one meter.	Bo Joulee per adond
13	Electricity	Electricity is measured in units of power called Watts.	
14	Energy used	Energy = Power x Time	J Joules ENERGY POWER TIME W Seconds

17	Coal	Coal is a combustible black or brownish- black sedimentary rock, formed as rock strata called coal seams.	
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18	Oil	Oil is a fossil fuel that has been formed from a large amount tiny plants and animals such as algae and zooplankton.	
19	Gas	Gases are air-like substances that can move around freely or they might flow to fit a container.	GARS &
20	Renewable energy	Renewable energy is energy that is collected from renewable resources.	
21	Solar power	Solar cells generate electricity from sunlight.	
22	Wind power	Electricity is generated when the wind turns the turbines.	

23	Tidal power	Power is generated using moving water.	
24	Geothermal	Water is pumped down pipes to hot rocks.	
	power		
25	Biomass	Biomass fuels come from living things.	0.0.
			Trees and parts CYCLE OF BIOMASS ENERGY Wood products Wood products
26	Hydroelectric	Dams and the use of gravitational potential	
	power	energy.	

		Chemical I	Reactions
1	Key word Chemical reaction	Definition A process in which one or more substances, the reactants, are converted to one or more different substances, the	Oxygen
2	Conservation of mass	According to the law of conservation of matter, matter is neither created nor destroyed, so we must have the same number and type of atoms after the chemical change as were present before the chemical change.	Hydrogen + $=$ Water 2H <sub>2</sub> +O <sub>2</sub> =2H <sub>2</sub> O
3	Oxidation	Oxidation is the loss of electrons during a reaction by a molecule, atom, or ion.	X Y
4	Reduction	Reduction is the loss of an oxygen atom from a molecule or the gaining of one or more electrons.	Reducing agent         Oxidizing agent           X loses electrons         Y gains electrons           X is oxidized by Y (becomes more positive)         Y is reduced by X (becomes more negative)
5	Acids	An acid is a molecule or ion capable of donating a proton (hydrogen ion H <sup>+</sup> ).	0 1 2 3 4 5 6 7 8 9 10 11 12 13
6	Alkalis	Alkalis contain lots of hydroxide ions, symbol OH	
7	Neutral	Water is neutral because the number of hydrogen ions is equal to the number of hydroxide ions.	acidic neutral alkaline
8	Hazard	A hazard is something that can cause harm.	

9	Universal indicator	A universal indicator is a pH indicator made of a solution of several compounds that exhibits several smooth colour changes over a wide range of pH values to indicate the acidity or alkalinity of solutions.	
10	pH Scale	The pH scale measures how acidic or alkali a substance is. The pH scale ranges from 0 to 14. A pH of 7 is neutral. A pH less than 7 is acidic. A pH greater than 7 is alkaline.	
11	Reactants	A substance that takes part in and undergoes change during a reaction.	

		Eco	logy
	Key word	Definition	
1	Food webs	Food webs show how plants and animals are connected in many ways. The arrow points from the organism being eaten to the organism that eats it.	Sun Primary Consumer Consumer Consumer
2	Food chains	A food chain only follows just one path as animals find food. e.g. A hawk eats a snake, which has eaten a frog, which has eaten a grasshopper, which has eaten grass.	Producer Water Nutrients Decomposer
3	Producers	Organisms that make their own organic nutrients (food) - usually using energy from sunlight. Green plants make their food by photosynthesis.	
4	Consumers	The other organisms in a food chain are consumers, because they all get their energy by consuming other organisms.	Grass Grasshopper (Producer) (Primary Consumer)

5	Ecosystem	A biological community of interacting organisms and their physical environment.	
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6	Sampling	A process used to estimate population size. In this procedure, the organisms in a few small areas are counted and projected to the entire area.	
7	Classification	The classification of species allows the subdivision of living organisms into smaller and more specialised groups.	ANIMAL CLASSIFICATION INVERTEBRATES FISH REPTILES MAMMALS AMPHIEJANS BIRDS
8	Adaptation	A characteristic of an organism that improves its chances of surviving and/or reproducing. An organism's adaptations are a result of the genes the organism inherits from its parents.	The polar bear has small ears and tail; this adaptation minimizes heat loss.

9	Natural selection	A process by which a species changes over time in response to changes in the environment, or competition between organisms, for the species to survive.	Natural Selection in action
10	Evolution	This is change in the heritable characteristics of biological populations over successive generations.	5.8.8 A
11	Extinction	This is the cessation of existence of a species reducing biodiversity.	
12	Biodiversity	Biodiversity is the variability among living organisms from all sources, including terrestrial, marine, and other aquatic ecosystems and the ecological complexes of which they are part; this includes diversity within species, between species, and of ecosystems.	

		Reproductio	n
	Key word	Definition	
1	Reproduce	Reproduction (or procreation or breeding) is the biological process by which new individual organisms – "offspring" – are produced from their "parents".	
2	Adaptation	The process by which a species becomes fitted to its environment; it is the result of natural selection acting over several generations.	
3	Egg cell	Female sex cell.	
4	Sperm cell	Male sex cell.	
5	Testes	Part of the male reproductive system that makes the sperm cells.	Bladder
6	Penis	Part of the male reproductive system which carry sperm cells out of the body.	Penis Sperm duct Tests Foreskin

7	Ovary	Part of the female reproductive system that makes the egg cells.	Ovidust
8	Oviduct	Part of the female reproductive system that connects the ovary to the uterus.	Ovary Uterus Biladar
9	Uterus	Part of the female reproductive system where the foetus develops before birth.	Uterva
10	Fertilisation	Fertilisation is the process in which gametes (an egg and sperm) fuse to form a zygote. The egg and sperm each contain one set of chromosomes.	
11	Foetus	An unborn or unhatched offspring of a mammal, in particular an unborn human more than eight weeks after conception.	
12	Gestation	The time it takes for a foetus develop in the uterus.	
13	Placenta	An organ responsible for providing oxygen and nutrients, and removing waste substances.	umbilical cord placenta amniotic fluid cervix vegina

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14	Puberty	Puberty is the time in life when a boy or girl becomes sexually mature. It is a process that usually happens between ages 10 and 14 for girls and ages 12 and 16 for boys.	
15	Menstruation	Menstruation — aka having your period — is when blood and tissue from your uterus comes out of your vagina. It usually happens every month.	uterus uterus lining
16	Ovule	A part of a flower which contains the female seed cell, and after pollination becomes the seed.	Stigma Arther Stamma
17	Pollen grain	The male sex cell.	Pistil — Style — Filament —
18	Pollination	When the pollen grain from the anther lands on the stigma.	Ovary Potal
19	Seed	Is formed from the pollen grain and ovule and can grow into a new plant.	Receptade Federate
20	Species	Is a group of similar organisms that can breed with one another to produce fertile offspring.	<b>MAR</b>

21	Sexual reproduction	The production of offspring after fertilisation by the sex cells.	
		Force	15
	Key word	Definition	
1	Force	A push or a pull that occurs when two objects interact.	
2	Measuring forces	We can measure the size of a force using a newton meter.	Types of Force
3	Units	The units used to measure a force are newtons.	- <b></b>
4	Resolution	The smallest possible measurement a piece of measuring equipment can measure.	Rictor Force Cravity frace Applied frace Drug Force

5	Balanced forces	The opposing forces are equal.	Balanced and Unbalanced Forces
6	Unbalanced forces	The forces acting in one direction are bigger than those acting in the opposite direction.	300 N 300 N
7	Resultant forces	The difference between the two opposing forces.	
8	Gravity	Gravity is the force of attraction between pairs of objects.	
9	Newton	The newton (symbol: N) is the International System of Units (SI) derived unit of force.	
10	Gravitational field	All objects have a gravitational field around them.	
11	Weight	The force of gravity pulling on every kg of mass. It is measured in Newtons (N). We can calculate weight by using W = m x g	
12	Mass	A measure of how much matter an object is made up of. It is measured in kilograms (kg).	
13	Gravitational field strength(of Earth)	10N/kg	My WEIGHT on Earth is around 560N 90N

14	Pressure	Pressure is how spread out a force is over an area.	$PRESSURE = \frac{FORCE}{AREA}$
15	Force	Force = Pressure x Area	AREA
16	Area	Area = Force ÷ Pressure	FORCE
17	Speed	Speed is a measure of how quickly an object travels in a given distance.	Distance = Speed x Time
18	Velocity	The same as speed, but tells us the direction we are travelling in as well (i.e. forwards or backwards).	Time= Distance Speed
			Speed= Distance Time

19	Friction	The resistance to motion of one object moving relative to another.	Motion ——
20	Speed	Speed = distance ÷ time	Pushing force
21	Distance- time graph	This shows how far an object has travelled in a given time.	Distance (kuu)

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