

"Knowledge is power. Information is liberating. Education is the premise of progress, in every society, in every family"

- Kofi Annan



Year 7 Knowledge Organiser

Learning Programme 2

Pupil Name:

Form Group:

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Instructions

Every school day you should be studying at least 1 section of your Knowledge Organiser (KO) for homework.

The timetable on the page 5 tells you which subjects you should be studying on which days (it doesn't matter if you have that subject on that day or not, you should follow the timetable).

You are to use your exercise book to show the work you have done. Each evening you should start a new page and put the date clearly at the top.

You need to bring your KO and exercise book with you EVERYDAY to the academy.

Your parents should tick off your homework every evening using the grid in your KO on page 4.

Your KO and exercise book will be checked regularly in form time, failure to show homework for ALL FIVE days of the week will result in an after school detention that day.

You will also be tested in your lessons on knowledge from the organisers.

Self-testing

You can use your KOs and book in a number of different ways but you should not just copy from the Knowledge Organiser into your book. Use the 'How to self-test with the Knowledge Organiser' booklet to help you.

Below are some possible tasks you could do in your workbooks, no matter which task you do you should always check and correct your work in a different coloured pen.

- Ask someone to write questions for you
- Write your own challenging questions and then leave it overnight to answer them the next day
- Create mind maps
- Create flashcards
- Put the key words into new sentences
- Look, cover, write and check
- Mnemonics
- Draw a comic strip of a timeline
- Use the 'clock' template to divide the information into smaller sections. Then test yourself on different sections
- Give yourself spelling tests
- Definition tests
- Draw diagrams of processes
- Draw images and annotate/label them with extra information
- Create fact files

How do I self quiz?

How	to useFlashcards	How t	o use l	Look, Cover,	Write, Check	and Correct	How to use Mind Maps	
1.	On one side of the flash card, write the word or question.			our key word and then cov		ok, Cover'	1. Write out your topic or idea in the centre. E The First World War.	E.g.
2.	On the other side, write the definition for the word, or answer to the question.			ut the meani ite' column.	ng, definition	or spelling in	categories to organise your ideas. E.g. cause	
3.	Once you have completed your set of cards, put them in a pile. Then for each card, see if you can remember the definition or answer to the question. Tick or cross when you get it right or wrong.	4.	dependi If you go	ck' or 'cross' ing on if you ot the answer answer in the	got the answ r incorrect, w	er right. rrite the	 of WWI and events in WWI 3. Then add your knowledge off of these branches. You might even be able to make connections between them. 4. Once made, then redraw as many of the 	
4.	When you get the card right, place it in the 'correct' pile. When you get it wrong, place it in the 'wrong' pile. Repeat until all cards are in the 'correct' pile.	Lool Nou	r , Cover	Write A person, place or	Check	Correct	 Alliances First World Events 	rect
	can also use the Leitner Method: https:// v.youtube.com/watch?v=C20EvKtdJwQ	Algo	rithm	Algorithim	×	Algorithm	Assassination of Franz Ferdinand	
How	to use Explaining a process/ idea further	How t	o Sum	marise a pro	cess/idea		How to use Subject Specific Tasks or Questions	;
proce wate some	teacher might ask you to explain a key idea, ess or event from your learning. This could be the er cycle (Geography), photosynthesis (Science) or ething else. In your answer, try to use the words use, but, and so. These will help you to: Because: helps to explain a reason, cause or why something works.	might summ in Eng 1.	ask you arising t lish. Read thi	to summaris he plot 'A Mi rough the rel lge organiser	e it into its ke dsummer Nij evant part of	fyour	 Your teacher might choose to set a task that is no outlined here, and which is specific to that topic of their subject. In this case, your teacher will outline specifically what it is you need to do, and how. This will still include you checking and correcting any errors. 	
2.	But: helps to explain a limitation or problem.	2.	Write ou	ut the (up to)	5 most impo	ortant parts in		
	So: helps to explain what happens next in a sequence, process or event. k your sentences to see if your explanations or or wrong. Correct any errors.	3. 4.	For each E.g. here and the	n part, add or e, the 4 key c	ne main idea. haracters are ove is showr	e picked out, hthrough the	Act 1: Hermia and Lysander love each other but are not allowed to marry so decide to run away to the forest to get married in secret. Demetrius wants to marry Hermia. Helena loves Demetrius. They follow Hermia and Lysander into the forest.	

Homework diary

Week	Date	Subject	Task
LP2.1	Monday 21 st October	Maths	Create a mind map detailing column addition and subtraction.
		Drama	Make notes on the style, key influences and intention of William Shakespeare.
	Tuesday 22 nd October	English	Choose one of the main characters (Ralph, Jack, Piggy, Simon) and write a detailed character
			profile. Describe what they look like, their personality, and how they behave. Be creative: imagine
			you are describing this character to someone who has never met them.
			Draw a 3x3 box in your book and complete it with 3 different mark making styles.
		Art	
	Wednesday 23 rd October	Science	Research and write a paragraph to explain reflection of light.
		ICT	What are the advantages and disadvantages of using social media?
	Thursday 24 th October	History	Learn 5 definitions from the key vocab words.
		Music	Create a flashcard about traditional instruments used in African Music.
	Friday 25 th October	Geography	List 8 facts about the British Isles.
		PE	Use the 'Look, cover, write, check' method to list the key training principles/key terms of your sport
			or activity.

Week	Date	Subject	Task
LP2.2	Monday 4 th November	RE	Explain the difference between an ultimate and a general question, giving an example of each. Describe the difference between man-made and natural fibers.
		Technology	
	Tuesday 5 th November	MFL	Log onto your personal Languagenut account and complete the appropriate homework task.
	Wednesday 6 th November	Maths	Make a revision card about perimeter.
		Drama	Look at the keywords for understanding plays. Learn their spelling and definition. Then use look, cover, write, check to test yourself.
	Thursday 7 th November	English	Imagine you are stranded on a deserted island like the boys in the book. Write a description of the island. Think about what you would see, hear, smell, and feel. Is it beautiful, scary, or lonely? Use as many descriptive words as possible to bring the island to life. Create colour collage showing the primary and secondary colours.
		Art	
	Friday 8 th November	Science ICT	Draw a diagram and write a paragraph to explain the differences between transverse and longitudinal waves.
			Design a slide for a PowerPoint about the advantages and disadvantages of social media.

Week	Date	Subject	Task
Review	Monday 11 th November	ALL	This week is an opportunity to work on knowledge that has been identified during lessons as key
learning	Tuesday 12 th November		areas for development.
week	Wednesday 13 th November		This could be additional revision and recall tasks from the knowledge organisers or it could be
	Thursday 14 th November		specific tasks set by classroom teacher.
	Friday 15 th November		

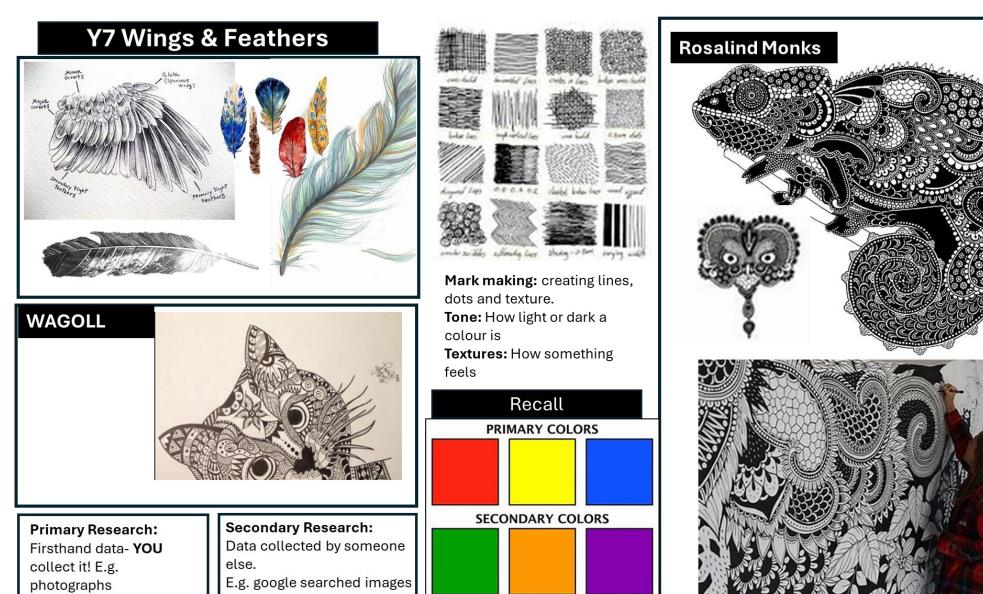
Week	Date	Subject	Task
LP2.3	Monday 18 th November	History	Memorise and list the ways William the Conqueror controlled England.
		Music	Using your knowledge organiser and your knowledge from your music lesson, please describe in 2 sentences some traditional uses of African music.
	Tuesday 19 th November	Geography	Choose six of the key terms and learn their spelling and definition. Then use look, cover, write,
			check to test yourself.
		PE	Create a list of the positions (team sports) or events in your sport (athletics).
	Wednesday 20 th November	RE	Describe the Chrisitan Creation Story.
		Technology	Explain why natural fibers are more expensive than man-made.
	Thursday 21 st November	MFL	Log onto your personal Languagenut account and complete the appropriate homework task.
	Friday 22 nd November	Maths	List and define the keywords of addition and subtraction.
		Drama	Look at the key terms for understanding language. Learn their spelling and definition. Then use
			look, cover, write, check to test yourself.

Week	Date	Subject	Task
LP2.4	Monday 25 th November	English	Learn key vocabulary and concepts from the knowledge organiser by reading through the information and transforming the key information into a revision poster, flash cards, brainstorm, summary, quiz or any other format of your choosing.
		Art	Complete an observational drawing of a wing or a feather -use the WAGOLL or choose your own image.
	Tuesday 26 th November	Science	Draw a flow chart to show how sound is transmitted through the ear.
		ICT	How does adding animations and transitions to a PowerPoint improve it?
	Wednesday 27 th November	History	Describe the following historical words: Feudal System, Domesday Book.
			Create a revision card about the note values we have been learning about – please include writing
		Music	a rhythm on this card.
	Thursday 28 th November	Geography	Draw a bar chart to show the population of the 6 biggest cities in the UK.
		PE	Use a method of your choice to revise the rules for your sport/activity.
	Friday 29 th November	RE	Create a storyboard of the Adam and Eve Story.
		Technology	Highlight the differences in fabrics you have studied.

Week	Date	Subject	Task
LP2.5	Monday 2 nd December	MFL	Log onto your personal Languagenut account and complete the appropriate homework task.
	Tuesday 3 rd December	Maths	In one paragraph explain what you would use a bar chart for.
		Drama	Create flashcards on the keywords for understanding plays and understanding language.
	Wednesday 4 th December	English Art	Write a short guide for the boys on how to survive on a deserted island. Include tips on finding food, building shelters, and keeping safe from wild animals. Use your imagination and think about what you would do in their situation. Create a mind map which lists things with wings.
	Thursday 5 th December	Science ICT	Research and write a paragraph about ultrasound, and how we can use it. Create a poster about what to do if somebody is being cyberbullied.
	Friday 6 th December	History Music	Create a model of a Motte and Bailey Castle. Define CALL AND RESPONSE, IMITATION AND UNISON, then describe the differences between them.

Week	Date	Subject	Task
LP2.6	Monday 9 th December	Geography	Design a poster encouraged to attract tourists to the UK.
		PE	Make flashcards on the tactics you could use within your sport/activity to gain an advantage (e.g. how to get a head start)
	Tuesday 10 th December	RE	Explain how The Fall is linked to the story of Adam and Eve.
		Technology	What are the basic stitches? Draw a diagram of 5 selected.
	Wednesday 11 th December	MFL	Log onto your personal Languagenut account and complete the appropriate homework task.
	Thursday 12 th December	Maths	Create a mind map detailing fractions, decimals and percentages.
		Drama.	Explain how you have used any of the devices from the keywords in your own performances in lessons.
	Friday 13 th December	English	If you were one of the boys on the island, what kind of leader would you be? Create your own tribe. Write a short description of the rules and laws you would set for your group. How would you make sure everyone worked together and survived?
		Art	Create a factfile on Rosalind Monks.

Week	Date	Subject	Task
LP2.7	Monday 16 th December	Science ICT	Produce a table which explains the similarities and differences between sound and light. Write your own fake news article. Include title, dates and who wrote it. Remember you are trying to get people to believe what you are saying, be persuasive!
	Tuesday 17 th December	History Music	Write a PE paragraph about the power of the church in Medieval England. Create a flashcard about OSTINATO and POLYRHYTHM.
	Wednesday 18 th December	Geography PE	List 6 mountains of the UK in order, highest first. Practice some of the key techniques that are used within your sport/activity at home.
	Thursday 19 th December	RE Technology	Choose two religions and explain their beliefs on why bad things happen to good people. Explore why wool is a good material choice for a scarf.
	Friday 20 th December	MFL	Log onto your personal Languagenut account and complete the appropriate homework task.



STYLE

His early plays were primarily comedies and histories and are regarded as some of the best work produced in these genres. He then wrote mainly tragedies until 1608, among them Hamlet, Romeo and Juliet, Othello, King Lear, and Macbeth.

KEY INFLUENCES

Great classical authors such as **Ovid and Seneca** English historians such as **Holinshed.**

AIMS/INTENTION

Shakespeare aimed to reflect on society, explore themes of human nature, and entertain and engage audiences whilst holding a moral lesson in his works.

William Shakespeare

KEY WORDS - Understanding plays

Scene: A moment in a play consisting of dialogue and action.
Act: Several scenes following on from each other. Each act forms the different parts of the plot. 1.
Stage Direction: An instruction in the script of a play, directing the movements of the actors, the arrangement of scenery, etc.
Audience: The people watching the play.
Playwright: The writer of the play

Soliloquy/monologue: An act of speaking one's thoughts aloud when by oneself or regardless of any hearers, especially by a character in a play.

🔺 (26 April 1564 – 23 April 1616)

Shakespeare was an English playwright, poet, and actor, widely regarded as the greatest writer in the English language and the world's greatest dramatist. His works consist of 39 plays, 154 sonnets, two long narrative poems, and a few other verses. Shakespeare was born and raised in Stratford-upon-Avon, Warwickshire. He produced most of his known works between 1589 and 1613.

KEY WORDS - Understanding language

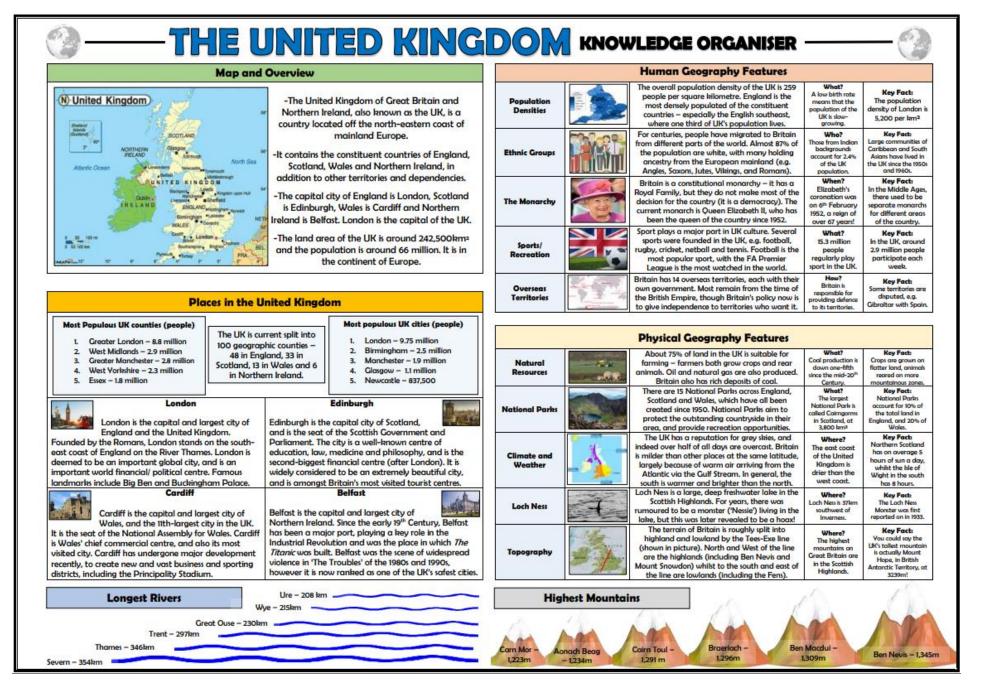
Dramatic irony: This occurs when the audience know more about what is happening that some of the characters themselves know.

lambic Pentameter: A weak stress followed by a strong stress in a sequence of 5. E.g. I am I am I am I am I am I am ('am' being the stressed syllable).

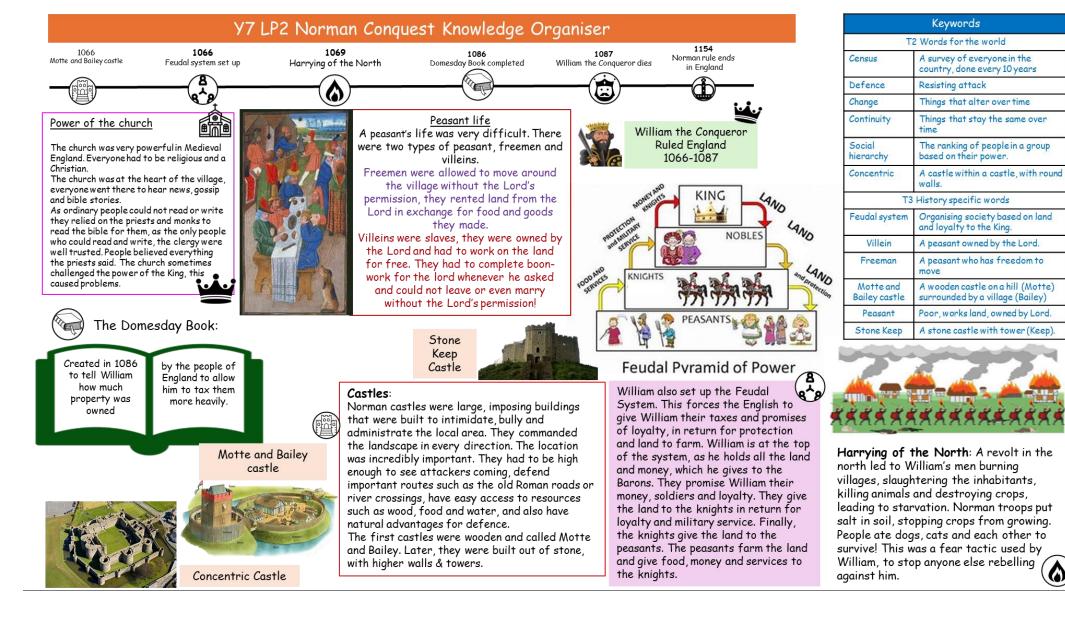
Prose: A form of written speech that reflects the style of ordinary speech without a rhythmic structure.

Poetic verse: A style of speech in Shakespeare's plays using rhyming couplets and a strong rhythmic pulse to the line

	English - Lord of the Flies, by William Golding	
Plot Summary: In Lord of the Flies, a group of boys is stranded on an uninhabited island after a plane crash during a war. As they attempt to govern themselves and survive, they initially establish order and elect a leader, Ralph. However, as time passes and their isolation grows, the boys' civilized behaviour begins to deteriorate, leading to a power struggle between Ralph and another boy, Jack, who represents a more savage instinct. Tensions rise as fear of a mythical beast and the lure of savagery threaten to unravel their society, revealing the darker sides of human nature.	 Key Characters: Ralph: The elected leader of the boys, who represents order, civilization, and democratic principles. He strives to maintain order and focus on rescue. Jack Merridew: The leader of the choir boys and later the hunters. He embodies savagery and the desire for power, ultimately challenging Ralph's authority. Piggy: A smart and rational boy who represents intellect and logic. He struggles with social acceptance but often provides valuable insights and suggestions. Simon: A sensitive and introspective boy who represents innate goodness and morality. He has a deeper understanding of the island's true nature. Roger: Jack's sadistic henchman who represents brutality and the darker aspects of human nature. He becomes increasingly violent as the story progresses. Sam and Eric (the twins): They are loyal to Ralph but eventually succumb to Jack's influence. Their characters symbolize the struggle between loyalty and survival. The Beast: Though not a character in the traditional sense, the beast symbolizes the primal instincts and fears that reside within all humans. 	Key Words:Allegory: A story with a hidden meaning often moral or political, where character and events symbolize larger concepts.Savage: Wild and untamed; lacking civilization and order.Civilization: An advanced state of human society marked by culture, laws, and social norms.Anarchy: A state of disorder due to absence or non-recognition of authority; lawlessness.Corruntion: The process of becoming
 Literary Conventions in the Novel: Symbolism: Objects and characters represent broader concepts (e.g., the conch symbolizes order, Piggy's glasses represent knowledge). Allegory: The novel serves as an allegory for human nature and societal structures. Imagery: Vivid descriptions create mental images, enhancing themes and emotions. Foreshadowing: Hints are dropped about future events, creating tension. Irony: Contradictions highlight the gap between appearance and reality, such as the boys' descent into savagery despite being civilized. Characterization: Development of characters to embody different aspects of human nature and society. Theme: Exploration of themes like civilization vs. savagery, loss of innocence, and the inherent evil within 	Key Skills: LP2.1: Approaching Unseen Plays Form initial impressions based on specific references and context. Describe Jack's physical appearance and demeanour to reflect his personality traits. LP2.2: Effects of Writer's Methods Analyse how the writer's techniques influence audience perceptions. Use descriptive language to convey Jack's emotions and thoughts, showcasing his complex character. LP2.3: Understanding Key Aspects Engage with themes and character motivations in the text. Create a broader character sketch of Jack, incorporating his desires, fears, and motivations. LP2.4: Supporting Ideas with Quotes Integrate quotations that illustrate key character traits. Use quotes to enhance descriptions of Jack, grounding his character in specific examples from the text. LP2.5: Analysing Form and Structure: Recognize how structure influences meaning in the text. Experiment with varied sentence structures to create a dynamic portrayal of Jack's character. LP2.6: Comments on Choice of Form Reflect on how form affects character depiction. Write a character description in a specific narrative style (e.g., first-person) to	Lawlessness.Corruption: The process of becoming morally depraved or dishonest, often through the influence of power.Descent: The process of going down or falling from a higher state to a lower one, often symbolizing loss.



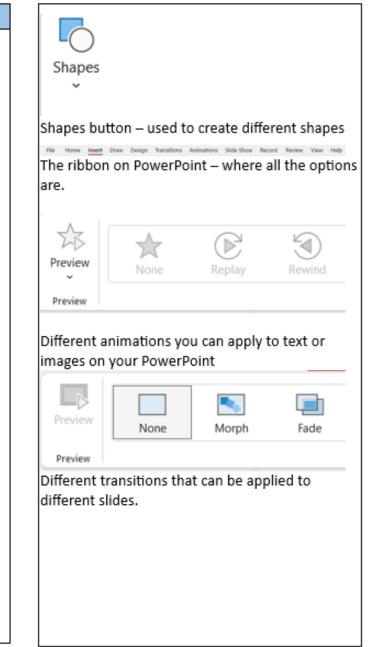
History



ICT

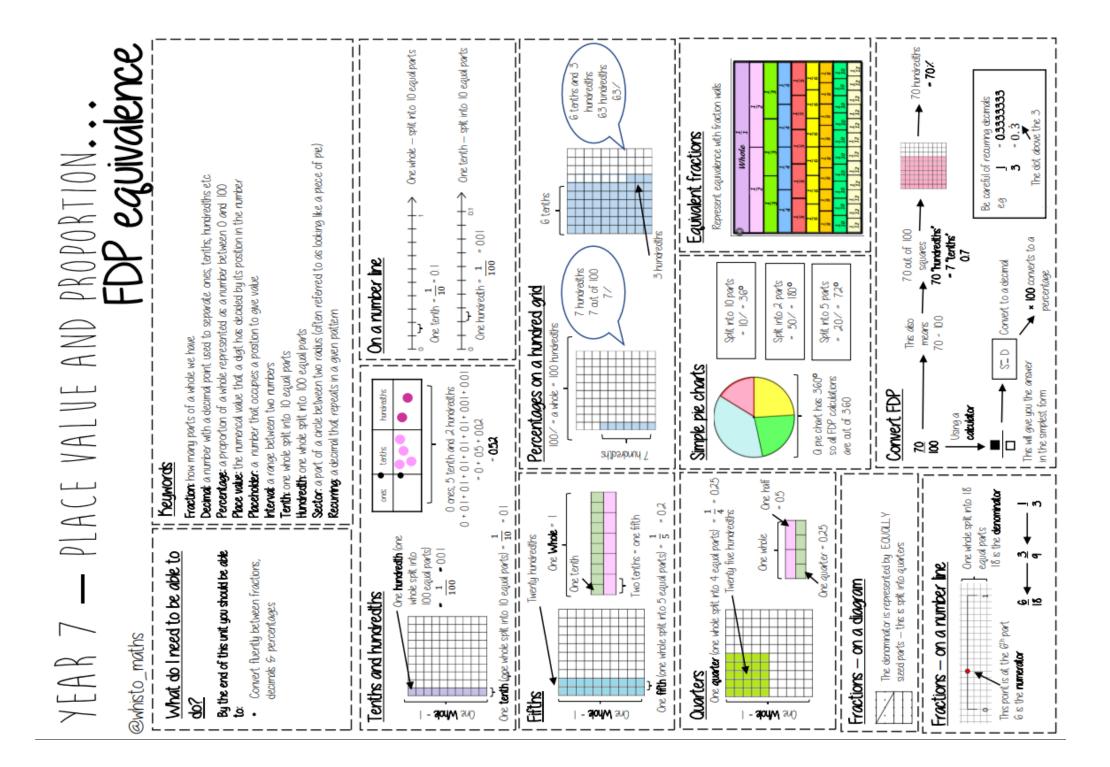
Key Vocabulary				
Vocabulary	Definition			
Bullying	Persistently doing something to upset somebody else.			
Cyberbullying	Persistently doing something to upset somebody else in an online environment (for example or social media or text messages).			
Fake News	News which is being portrayed as real however it is false.			
Self-Esteem	How you feel about yourself.			
Propaganda	Content created by somebody to influence your views on a certain topic or another person. This could be as a poster, video or photograph			
PowerPoint	A presentation software by Microsoft, this software is used to display text and images to viewers.			
Formatting	Making your PowerPoint look visually appealing by changing colours, text font, text size or how big your images are.			
Transitions	Changing how your slide will go from one to the other			
Animations	Making images or text appear on your slide at different times. This is good for pacing information coming onto your slides.			

Knowledge
PowerPoint logo
P
Click to add title
A slide on PowerPoint
New slide button



PLACE VALUE AND PROPORTION	Ordering integers and decimals	<u>Keumords</u>
year 7 — pl	@whisto_maths	What do I need to be able to do?

@whisto_maths	Ordering ir	Ordening integers and decimals
What do I reed to be able to do? By the end of this unit you should be able to: Understand place value and the number system recloring deamaks.	<u>Feumords</u> opproximate: To estimate a number, amount or to integer: a whole number that is positive or negative intervet between two points or values intervet between two points or values intervet between two points or values	<u>Feuwords</u> Opproximate: To estimate a number, amount or total often using nounding of numbers to make them easier to calculate with Mileger: a whole number that is positive or negative Milervat between two ports or values:
 Integers and measures of any size Order number and uses a number line for positive and negative integers, fractions and depimals 	 I recent unreastre of central versenal mixeds, average round Wale of the lat. Negative: Ony number less than zero, written with a mirus sign Prace holder: We use 0 as a place holder to show that there a 	record unexadre of centra verseray mission, averaged rouns al pound all une covia vales in oroer and invarig une value of the list. Negative: Ony number less than zero, written with a minus sign. Place holder: We use 0 as a place holder to show that there are none of a particular place in a number
 use the symbols =, ≠, ≤, ≥ Wolock with terministing decimals and their corresponding fractions Round numbers to an appropriate accuracy Describes, interpret and compare data 	Proce value: The value of a digit depending on its place in a number. In on lagger thran the place to its right. Range: The difference between the largest and smallest numbers in a set Significant figure: () digit that gives meaning to a number. The most sig the left. The most significant digit in a docimal fraction is the first non-zea.	Place value: The value of a digit depending on its place in a number. In our decimal number system, each place is 10 times bager tham the place to its right. Range: The difference between the largest and smallest numbers in a set. Significant figure: O1 digit that gives meaning to a number. The most significant digit (figure) in an infleger is the number on the left. The most significant digit in an infleger is the number on the left.
astributions using the meakon and range		
hieger Mace Value	MIErvals on a number Inc	
⊢ × H C	0 30 60	difference by the number of milewals Eg 100÷5×30
eholder	Rounding to the nearest power of ten	F the number is holiway between we " round up "
Three billon, one humbed and forly eight millon, thirly three thousand and twenly rime [billon 1, 000, 000, 000 [millon 1, 000, 000		5400 1 1 2500 5470 1 24.0 Units research 100 5420 5470 1 5480
	I Rande . Sarad of the water	
using .	Difference bet	5
$ > greater (b,m) we are a maximum (2.200.000) = equal to 300.000 000 (1.200.000) \neq m of equal to Sathousand and eighty (1.200.000) \neq m of equal to Sathousand and eighty (1.200.000)$	Ronge: Biggest wate - Smallest wate 12 - 3 - 9 Ronge - 9	H5 Medan: put the in order 15.6 16 137 148 150 154 156 16
Decimals	ores terths hunded.ht	Find the midpoint 52
We say	•	Decimal intervals on a number line
\searrow	0 ores.5 terth and 2 hundredths 0 + 01 + 01 + 01 + 01 + 001 + 001 - 0 + 05 + 002	One whole spit inflo 10 parts makes tenthins = 01 One tenth spit inflo 10 parts makes hundrealthins = 001 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Comparing decimals which the largest		0 0.02 0.04 0.06 0.08 0.1
Ones	0.3 > 0.23 There are counters in the furthest column to the kBY	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
	.30 Comparing the values both with	Round to 1 significant figure
Ores	0.23 The same rumber of decind places is another way to compare the rumber of tenths	370 to I significant figure is 400 37 to I significant figure is 40 Round to the first non 37 to I significant figure is 4 zero number
		0.3.7 to 1 significant figure is 0.4 0.00000037 to 1 significant figure is 0.0000004



Knowledge Organiser Year 7 Mi tiempo libre – My free time

Qué te gusta hacer?	What do you like to do?	¿Qué tiempo hace?	What's the weather like?	Algunos preguntas	Some questions
gusta	l like	Hace calor	It's hot	¿qué?	What?
e gusta mucho	I really like	Hace frío	It's cold	¿cuándo?	When?
me gusta	I don't like	Hace sol	lt's sunny	¿cómo?	How?
me gusta nada	I really don't like	Hace buen tiempo	It's nice weather	¿dónde?	Where?
itear	to chat online	Llueve	It's raining	¿cuántos?	How many?
ribir correos	to write emails	Nieva	It's snowing		•
uchar música	to listen to music	¿Qué haces cuando?	What do you do when	Palabras muy frecuentes	High frequency wor
ar a los videojuegos	to play computer games	La primavera	spring	ratablas muy necuences	Ingli nequency wor
r	to read	el verano	summer		
ndar SMS	to send messages	El otoño	autumn	Con	with
egar por internet	to surf the internet	El invierno	winter	Cuando	when
r con mis amigos	to go out with my friends			Generalmente	generally
la teleisión	to watch TV	¿Qué desportes haces?	What sports do you do?	Mucho	a lot
ue es	because it is		·····	No	no
que no es	because it is not	Hago artes marciales	l do martial arts	0	or
eresante	interesting	Hago atletismo	I do athletics	Pero	but
ау	cool	Hago equitación	l do horseriding	Porque	because
ertido/a	fun/funny	Hago gimnasia	I do gymnastics	Sí	yes
úpido	stupid	Hago natación	I do swimming	También	also
rrido	boring	Hago patinaje	I do skating	Y	and
		Hago patinaje sobre hielo	I do ice-skating	' ¿y tú?	And you?
ue haces en tu tiempo	o libre?	Juego al baloncesto	I play basketball	2y tu:	And you?
at do you do in your f	ree time?	Juego al fútbol	I play football		
		Juego al tenis	I play tennis		
lo	l dance	Juego al voleibol	I play volleyball		
nto karaoke	I sing karaoke	Juego al balón prisionero	I play dodgeball		
blo con mis amigos	I chat with my friends				
onto en bici	l ride my bike	Cognate: a word that is sr	oelt the same in Spanish and		
co fotos	I take photos		nean the same! E.g. piano -		
co la guitarra	I play guitar	piano	ican die samer Eig. plano -		

7 —Learr	ning Programme 2	—African N	lusic		KEY VOCABULARY	DEFINITION
	Tradition	al African Ins	truments			
-					Imitation	Copying what the leader has played.
T	Djembe A single-headed, goblet-shaped drum that is played with the hands.		A large double played with a the shoulder u bell-like instru	Dundun e-headed drum stick. Often worn on sing a strap. Often a ment is mounted on dunun can produce	Call and Response	The leader plays a rhythm, then the response is different to the first rhythm.
	Agogo			open, muted and the	Harmony	Two or more different notes hear at the same time.
	A bell-like instrument that can produce two		A drum with sl	king Drum kins on both the top its body. It is played	Unison	Singing or performing the same thing in a group.
N	pitches. Often leads the ensemble keeping everyone else in time.		with a beater a able to squeez chords, which	and the performer is the drum's tension changes the pitch of ating a human voice.	Tempo	How fast the music is.
	Mbria (Idiophone) A thumb piano.			Shekere	Rhythm	How long or short the notes are on how the music is played.
	Traditionally made of wood but have metal keys to create different pitches.		wood and bea	e of dried gourd ds or cowries woven ering the gourd.	Ostinato	A repeating musical pattern.
	т Т	THE REAL PROPERTY OF	1		Polyrhythm	Many different rhythms played a the same time.
0				ß	Structure	How the music is organised or laid out.
Minim	Crotchet	Q	uaver	Semiquaver	Solo	When a musician or performer performs on their own.
2 Beats	1 Beat	1/2	! a Beat	1/4 of a Beat		

Physical Education

Year 7 - I	Key Skil	lls - Netball	Key Terms		
Passing	Various and ove	passes can be used within the game; chest, bounce, shoulder rhead.	Tactical Skills	Physical Fitness	
Catching	A skill us the ball.	sed to receive the ball, enabling the team to keep possession of	Attack and Defence Free Space	Coordination Agility	
Footwork	A player is able to receive the ball: With both feet grounded or by jumping to catch the ball and landing on two feet simultaneously.		Losing an opponent	Reaction time	
Dodging	A chang the ball	e of speed and direction in order to get free into space to receive	Change of speed Timing	Power Stamina	
Shooting	A skill us goal	sed by Goal Attack and Goal Shooter within the game to score a	Decision making	Strength	
Positions Key Rules The game lasts 60 minutes and is split into four quarters of 15 minutes					
GS GA					
c	C Defenders must stand at least 1m away from the player with the ball During the game, a player with the ball can only pivot with their landing foot.				
WD G	A player must pass or shoot for goal within three seconds of receiving the ball				

Year 7 - I	Key Skills - Basketball	Key Terms		
Passing	Various passes can be used within the game; chest, bounce, shoulder and overhead.	Tactical Skills	Physical Fitness	
Catching	A skill used to receive the ball, enabling the team to keep possession of the ball.	Attack and Defence Free Space	Coordination Agility	
Dribbling	To bounce the ball continuously with one hand. Required in order to take steps with the ball.	Losing an opponent	Reaction time	
Dodging	A change of speed and direction in order to get free into space to receive the ball	Change of speed Timing	Power Stamina	
Set Shot	A skill used by a player when they take a shot without leaving the floor.	Decision making	Strength	

<u>Positions</u>

(5)

Center

1 Point Guard (3)

Small Forward

(4)

Power Forward

(2)

Shooting Guard

Key Rules

Players must not make any physical contact with another player on the court.

Walking/Traveling. Taking more than 'a step and a half' without dribbling the ball is traveling. Moving your pivot foot once you've stopped dribbling is traveling.

Double Dribble. Dribbling the ball with both hands on the ball at the same time or picking up the dribble and then dribbling again is a double dribble.

Backcourt violation. Once the offense has brought the ball across the midcourt line, they cannot go back across the line during possession. If they do, the ball is awarded to the other team to pass inbounds.

RE KNOWLEDGE ORGANISER

What are Ultimate Questions?



On the seventh day, God rested

TheFall

God created Adam and put him to live in the Garden of Eden. God told Adam that he could do anything he wanted, except eat the fruit of the tree of the

knowledge of good and evil. Later, God Greated Eve to be Adam's wife. Eve was tricked by the serpent

some of the fruit to Adam. When God next visited the Garden he realised that harsh world outside. God also banned them From eating the Fruit of the tree of they had disobeyed him so he banished them from the Garden of Eden into the into eating the Fruit of the tree of the knowledge of life and death., and gave life, and so death entered the world.

story and this is how sin God's commands. Many and Eve were banished Original sin refers to the story where Adam believe this is a literal was brought into the From the Garden of Eden For disobeying wond.



tions that people have lots of different Questions that do not have a right or urong answer. Ques opinions about. Big questions, about things like life, death and meaning. Examples: "Is there a God?" "What is the meaning of life?"

answer. Questions about everyday things Questions that have a right or wrong or less important things **Examples**: "What time does school start?" "What are the rules of football?"

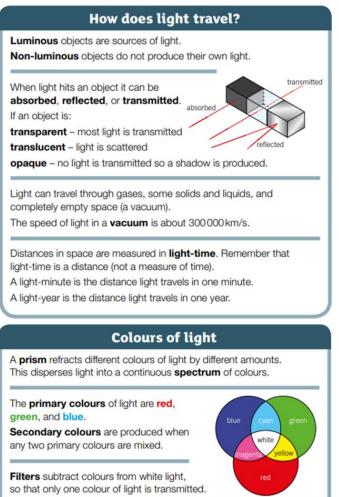
GENERAL QUESTIONS

and the full					
	Why do bad things happen to Where did we come good people? From?	Where did we come Frome	What happens after we die:	What is the meaning of life? Is there a God?	
Judaism	 People choose to do wrong. G-d created evil for a rea- son. Gives people the chance to do good. 	• The world and peo- ple created by G-d.	• People will go to Heaven or Hell.	 Follow G-d's teachings. Worship G-d. Read holy books (the Torah). Celebrate holy days. 	
Christianity	 People choose to do wrong. The devil. Original sin. 	 The world and peo- ple created by God OR; Scientific explana- tions. 	 People will go to Heaven or Hell OR: Some people will be tortured before Heaven (purgatony). 	 Follow Jesus" example. Love your heighbour. Treat others as you would like them to treat you. Worship God. 	
[slam	 People choose to do urong. Shaytaah (the devil) Life is a test. 	• The world and peo- ple created by God.	• People uill go to Paradise or Hell.	 Believe in one God. Follow the example of the Prophets. Follow Five Pillars. 	
Hinduism	• Bad things people have done in a past life will pun- ish them	• The world and peo- ple created by God.	 People come back to life in another body (reincamation). 	• Respect God. • Help others • Care For all living things. • Worship God.	
Buddhism	 People are greedy and uant more than they have. 	• The world has al- ways been there and always will.	 People come back to life in another body (reincamation). 	 Follow the steps of right behaviour. Avoid being greedy. Follow example of Buddha 	
Şikhism	 People choose to do urong. Gives people the chance to do good. 	• The world and peo- ple created by God.	 People come back to life in another body (reincamation). 	 Treat everyone equally. Respect the holy book. Wear special items. Worship God. 	

Religious Education

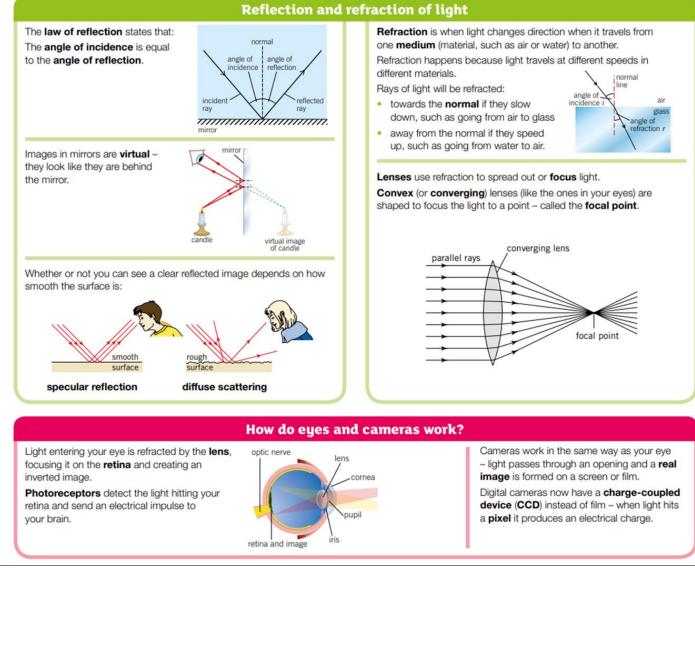
17 LP2

Science



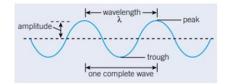
Objects appear to be different colours because they reflect some colours of light and absorb others.

Black objects absorb all colours and white objects reflect all colours.



Properties of waves

A wave is an oscillation or vibration that transfers energy. Matter is not transferred. Waves can be longitudinal or transverse.



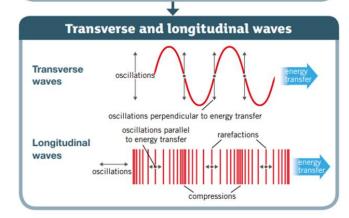
Amplitude - distance from the middle to the top or bottom of the wave

Wavelength - distance between a point on the wave to the same point on the next wave

Trough - bottom of the wave Peak - top of the wave

Frequency - how many waves go past a particular point in a second, measured in hertz (Hz) or kHz

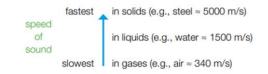
If waves meet they superpose. This means they add up or cancel out, depending on if they are in time with each other or not.



Sound waves

Sound is produced by vibrations, which make air molecules oscillate.

Sound is a longitudinal wave.



Waves can be reflected from a surface. The wave hitting the surface is the incident wave, and the wave bouncing off is the reflected wave. A reflected sound wave is heard as an echo. The time delay of an echo can be used to work out the distance to an object.

Ultrasound (waves >20 kHz) is used to make images of unborn babies, in medical scans, and for underwater (sonar) searches.

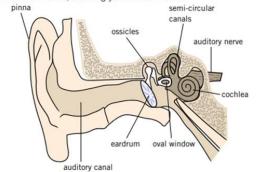
Measuring sound				
a loud and high-pitched	Oscilloscopes display sound waves.			
b loud and low-pitched	Humans can hear frequencies 20 Hz to 20 kHz. Above this is ultrasound. Below this is infrasound .			
c quiet and high-pitched (higher pitch than a)	Sound volume is measured in decibels (dB). The decibel scale is not linear – a 10dB increase is 10 times the volume.			

Recording and playing sounds

In a microphone sound waves hit a diaphragm making it vibrate. This produces an electrical signal by moving a coil of wire over a magnet. Speakers are the opposite to microphones - an electrical signal is turned into sound by moving a cone backwards and forwards.

Hearing

Your ear is made of many specially adapted structures that detect and transmit sound waves, allowing you to hear noises.



Part of ear	Structure	Function				
	pinna	directs sound into auditory canal				
outer ear	auditory canal	sound travels through it to reach the eardrum				
	eardrum	vibrates and passes vibrations to the ossicles				
middle ear	ossicles	tiny bones that amplify sound				
inner ear	cochlea	filled with thousands of tiny hairs and liquid – sound makes the hairs move, which sends an electrical signal to your brain				
	semi-circular canals	helps you keep your balance				

Hearing damage be caused by a number of factors, for example:

- a hole in the ear drum (grows back naturally)
- canal blocked with wax (curable)
- · loud sounds or injury, causing damage to the hairs in the cochlea (permanent).

Key Vocabulary Light

•Reflection - the bouncing back of light from a surface.

•**Refraction** - the bending of light as it passes from one medium to another.

- •Transmission the passage of light through an object.
- •Absorption the process by which light energy is taken in by a material.
- •**Dispersion** the separation of light into its different wavelengths (colors).
- •Intensity the brightness or strength of light.
- •**Opaque** not allowing light to pass through; not transparent.
- •**Transparent** allowing light to pass through so that objects behind can be distinctly seen.
- •**Translucent** allowing light to pass through, but not detailed shapes.

•Angle of incidence - the angle that an incoming light ray makes with the normal to the surface it strikes

Key Vocabulary Sound

•Frequency - the number of waves that pass a point in one second; measured in hertz (Hz).

•Amplitude - the height of a wave, related to the loudness of the sound.

•Vibration - a rapid back and forth motion that produces sound.

•**Pitch** - the perceived frequency of a sound; how high or low a sound is.

•Echo - a reflected sound wave.

•**Medium** - the material through which sound travels (e.g., air, water, solid).

•**Resonance** - the reinforcement of sound by reflection or by the vibration of a nearby object.

• Wavelength - the distance between successive crests of a wave.

•Decibel - a unit used to measure the intensity of sound.

<u>Technology</u>

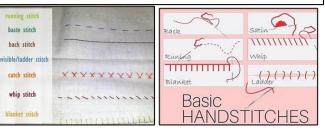
Y7 Fibers & Material Properties: Textiles

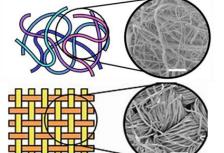
Natural fibre	Properties	Uses	
Cotton (plant)	Highly absorbent so is comfortable to wear, strong and durable, easy to care for but can shrink and has poor elasticity so creases	Most clothing, bed linen, upholstery fabric and in the medical industry (because it can be boiled)	
Linen (plant)	Highly absorbent and cool to wear, very strong and durable, poor elasticity so creases easily	Summer clothing, upholstery fabric, table clothes and napkins	
Hemp (plant)	Absorbent, strong and naturally antibacterial	Carpets, rugs and ropes	
Jute (plant)	Absorbent and very strong but coarse	Bags, sacks for vegetables, carpets and twine	
Wool (animal)	Absorbent with good insulating properties due to the fibre's natural crimp (curl), has good elasticity so doesn't crease much, relatively strong but can shrink on washing	Jumpers, suits, carpets and blankets	
Manufactured fibre	Properties	Uses	
Acrylic	Like all synthetic fibres, has good strength with good elastic properties so doesn't crease, has poor absorbency but can be a good insulator if crimp is added to replicate wool fibres	Jumpers and other knitted clothing that looks like wool, fake fur jackets	
Polyester	Hardwearing with good tensile strength, good elasticity but poor absorbency, a highly versatile fibre	Clothing and sportswear	
Nylon (polyamide)	A hardwearing fibre with good tensile strength, has good elasticity so doesn't crease and is resistant to chemicals, not absorbent and melts easily	Parachutes, tents, rucksacks, sports clothing, rope and carpets	
AESTHETIC COST CUSTOMER	ENVIRONMENT	FUNCTION MATERIAL	





a thread or filament from which a vegetable tissue, mineral substance, or textile is formed:





Man- Made: no pattern

Natural: Uniform

MathsWatch / SENECA / Kerboodle Instructions

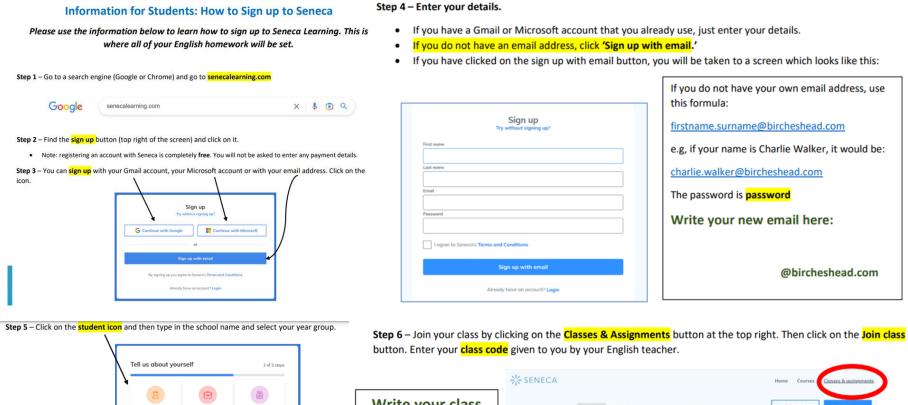
MathsWatch

Please navigate to vle.mathswatch.co.uk using your preferred browser (we do recommend Google Chrome but IE, Safari and others should work just as well).

You will be presented with this login page:

MathsWatch			A year 10 student (Y7 in 2019)
	Login		with the name Fred Smith
	Username	19smifre@	@bircheshead
	Password	maths1	Generic password that can be
		View Dem	mo Login
			To do that, click on Firstname's account Logout 365 days until renewal in the top-right corner
Use the login details given by your tea	cher.		and then choose "My Details" from the drop-down menu.

SENECA



• You don't need a parent's email address, just click the box to say that you're over 13.

I'm a teacher

I'm a parent

I'm a student

School	Year group
Type your school na	me 👻 🛛 Year group
Parent email	
Your parent's email	
Seneca.	equire consent from a teacher or guardian to use if you are over 13 or have consent to use Seneca

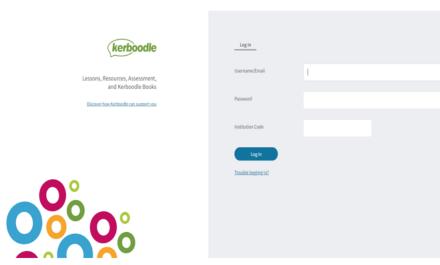
	兴 SENECA		Home Courses <u>Classes & assignments</u>
Write your class code here:		Closses Upcoming Assignments Post Assignments	Invite a teacher Join class
code nere:		Vou eren't part of any classes yet. You can join o classes yet.	s by clicking on a

Now you'll be able to access any homework set by your English teacher. Make a copy of your login details in your planner.

Click the Finish sign up button.

Kerboodle

- Go to <u>www.Kerboodle.com</u>
- It will look like this:



- Your username is your first initial and your complete surname. E.g.
- Joe Bloggs would be jbloggs
- Your password is the same as your username the first time you login.
- The institution code is: ua3
- The first time you login you can change your password

