



Masters of Knowledge


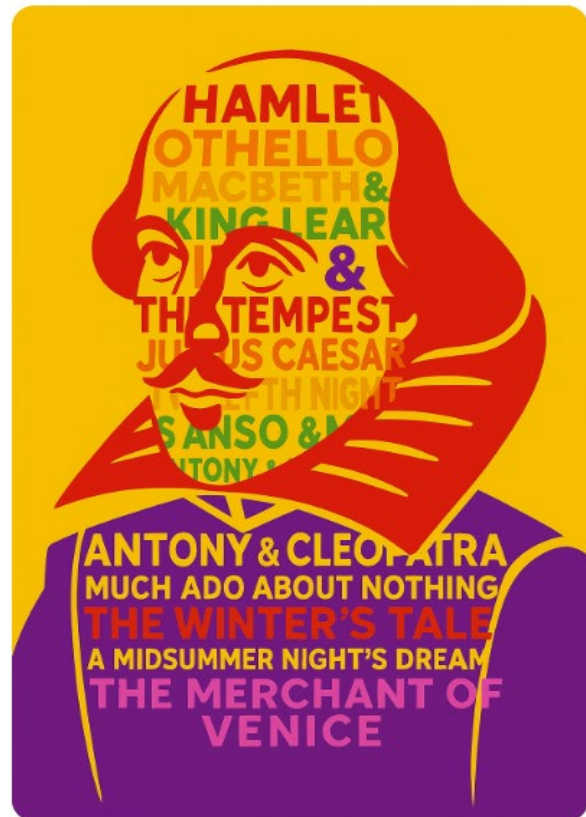
Masters of Knowledge homework is designed to strengthen recall of core knowledge.

The Masters of Knowledge Booklet has a series of weekly questions relating to the core knowledge students need to know for each of their subjects.

Students are encouraged to use both their Knowledge Organisers and the Masters of Knowledge questions to further strengthen their recall of this core knowledge.



Recall of core knowledge will be checked through a Masters of Knowledge quiz.

Year 7 English - Spring Term 2a

Week 1 Common Homework		Week 2		Week 3		Week 4	
<div>Opportunity to discuss your child’s current reading book.</div> <div>Scan the QR for top tips to support reading at home</div> <div></div>	Questions	Answers	Questions	Answers	Questions	Answers	
	What does the word genre mean?	A type or category	What is the name of Shakespeare’s theatre in London?	The Globe	Name 3 of Shakespeare’s plays	Macbeth, Othello, Titus Andronicus, The Taming of the Shrew, A Midsummer Night’s Dream, Twelfth Night, King Lear, Hamlet...	
	What does inference mean?	To make a suggestion based on evidence	What are the 3 genres of Shakespeare’s plays?	Comedy, tragedy, history	What does ‘patriarchal’ mean?	A society where men have power over women and women are seen as inferior.	
	What is a simile?	A comparison using 'as' or 'like'.	Who played all the roles in the plays?	Men and boys	How many plays did Shakespeare write?	37	
	What is a metaphor?	A comparison saying something IS something else.	In what year was Shakespeare born and when did he die?	1564-1616	What colour flag was used to show a tragedy?	Black	
	What are conventions of the fantasy genre?	Imaginary, magic, the supernatural, magical or mythical creatures, different worlds, different powers.	As well as plays, what did Shakespeare write?	Poems (sonnets)	Who was on the throne when Shakespeare began writing plays?	Queen Elizabeth I	
Week 5		Week 6					
Questions	Answers	Questions	Answers				
What is a neologism?	A new word	Why is Katherine described as a “shrew”?	To suggest she is fierce, feisty, and the men think she is ‘wild’.				
What play involves baking someone’s sons in a pie?	Titus Andronicus	What do we mean by ‘semantic change’?	Change in words their meaning over time.				
What do we mean by ‘context’?	What life was like at the time; real-world influences.	What is the name of the villain in Othello?	Iago				
What colour flag was used to show a history play?	Red	What is the name of the character who ends up with a donkey’s head in A Midsummer Night’s Dream?	Bottom				
What is a protagonist?	The main character	What were women expected to do/be during Shakespeare’s time?	Stay at home and become wives and mothers.				

Year 7 English - Spring Term 2b



Week 1 Common Homework		Week 2		Week 3		Week 4	
<p>Opportunity to discuss your child's current reading book.</p> <p>Scan the QR for top tips to support reading at home</p> 		Questions	Answers	Questions	Answers	Questions	Answers
		Give an example of a simile	As brave as a lion, as busy as a bee, as good as gold, like a rainbow, slept like a log	Name two sound devices poets often use to create rhythm or mood.	Alliteration, onomatopoeia, rhyme, or repetition.	In Island Man, Identify one example of colour imagery used in the poem.	'Blue surf' and 'emerald island' show bright, vivid imagery.
		How is a metaphor different from a simile?	A metaphor says something is something else, not just like it — e.g. The classroom was a zoo.	Where is 'Island Man' set at the beginning of the poem?	On a tropical Caribbean island.	Who wrote 'Caged Bird' and what is it about?	Maya Angelou; it compares the freedom of one bird with the suffering of a caged bird.
		What does personification mean?	Giving human qualities to non human things — e.g. The wind whispered through the trees.	How does Grace Nichols show contrast between the island and London?	The island is warm, colourful, and peaceful; London is grey, cold, and noisy.	What does the caged bird symbolise in Maya Angelou's poem?	The oppressed or marginalised people who long for freedom.
		What is imagery and how does it affect a poem?	Imagery uses descriptive language to create pictures in the reader's mind.	What emotions does the poem explore?	Homesickness, nostalgia, and the struggle between two identities or cultures.	How does 'Caged Bird' explore the idea of freedom and oppression?	Through contrasting imagery of open skies and closed cages, showing injustice and hope.
		Explain what juxtaposition means.	Placing two contrasting ideas or images side by side to highlight their differences.	What does the island symbolise for the man?	His home, heritage, peace, and identity.	Who wrote 'Dreams' and what is the main message of the poem?	Langston Hughes; it encourages people to hold tightly to their dreams because life without dreams is bleak.
Week 5		Week 6					
Questions	Answers	Questions	Answers				
Who wrote 'Blessing' and where is it set?	Imtiaz Dharker; it's set in a poor area on the outskirts of Mumbai, India.	Who wrote 'Two Scavengers in a Truck, Two Beautiful People in a Mercedes'?	Lawrence Ferlinghetti.				
What event causes joy in 'Blessing'?	A water pipe bursts, and the community celebrates the rare supply of clean water.	What social contrast does the poem highlight?	The divide between rich and poor people in America — the garbage men versus the wealthy couple.				
What message does the poet give about poverty and hope?	Even small things can bring joy and hope to people living in poverty; water is sacred and life-giving.	How does Ferlinghetti use imagery to show inequality?	He describes the rich as elegant and glowing, while the poor are dirty and tired, emphasising separation.				
What is 'Limbo' by Edward Kamau Braithwaite an extended metaphor for?	The journey from freedom to slavery and the suffering of enslaved Africans.	What is the central message of the poem?	Even in a democracy, inequality and class divisions still exist.				
How does the limbo dance link to the experience of slavery?	The act of bending low symbolises being forced down, but also endurance and survival.	Name three poetic devices used across the poems studied.	Metaphor, imagery, and symbolism.				

Year 7 Maths - Spring Term 2a



Week 1		Week 2		Week 3		Week 4	
Questions	Answers	Questions	Answers	Questions	Answers	Questions	Answers
Please complete the Common Homework 20 Questions Worksheet based on last half term's work. Sheet handed out in class and will also be posted on Satchel		Can you list the number bonds for 10?	0 and 10, 1 and 9 , 2 and 8, 3 and 7, 4 and 6, 5 and 5	What is the perimeter of a shape?	The distance around the outside.	What does equivalent mean?	Two things that are different but represent the same amount.
		Can you describe your method for adding together 634 + 261?	Column Method – align the ones, tens and hundreds column and add each one, where the addition goes above 10 we must carry this over into the next column.	What does it mean if something is credited into a bank account?	Something is being added in (for example wages).	How would I find an equivalent fraction?	We would multiply/divide the numerator fraction? and denominator by the same number.
		What is an integer?	A whole number	What does it mean if something is debited from a bank account?	Something is being taken out (for example bills).	What operation does a fraction represent?	Divide
		Can you describe your method for subtracting two numbers?	Column Method – align the ones, tens and hundreds column and subtract each one, if the subtraction gives a negative answer we must take 1 from the column to the left so we can have a positive solution.	Can you define profit?	The money that is made by a business once the costs have been taken away.	List the first 5 multiples of 8	8, 16, 24, 32, 40
				Can you define frequency?	How often something appears.	List all of the factors of 48	1, 2, 3, 4, 6, 8, 12, 16, 24, 48
Week 5		Week 6					
Questions	Answers	Questions	Answers				
Can you write a tenth as a fraction?	1 on numerator, 10 on denominator	What are percentages always out of?	100				
Can you write one hundredth as a fraction?	1/100	How would I convert a fraction to a percentage?	Convert the denominator so it is out of 100				
How would you know what the denominator of a thousandth would be using the answers above?	It will be a thousand.	How many 5ths are there in a whole 1?	5				
Can you write a tenth as a decimal?	0.1	How many 8ths are there in a whole 1?	8				
Can you write one hundredth as a decimal?	0.01	How many degrees are there in a full circle?	360				

Year 7 Maths - Spring Term 2b



Week 1		Week 2		Week 3		Week 4	
Questions	Answers	Questions	Answers	Questions	Answers	Questions	Answers
Please complete the Common Homework 20 Questions Worksheet based on last half term's work. Sheet handed out in class and will also be posted on Satchel		How do you work out $\frac{3}{5}$ of a number?	Divide by 5 and then multiply by 3	How far is -3 from 0 ?	3	What is a numerator?	The number on the top of a fraction
		How can I work out a number if I know a fraction of the number?	Draw a bar and fill in the parts you know , then fill in each box to get a total	Which is a colder temperature -4 or -10 degrees?	-10	What is a denominator?	The number on the bottom of a fraction.
		How many boxes would a bar be split into for sevenths?	7	What is a zero pair?	A pair of numbers that add together to zero. E.g -2 and 2	What is an integer?	A whole number.
		If you knew 50% of a number how could you find 100%?	Double it.	What are consecutive integers?	Whole numbers one after the other. E.g. 11, 12, 13	What is a mixed number?	A number that has an integer and a fraction.
		How do you calculate 10% of an amount?	Divide by 10	Between which two consecutive integers does -1.5 lie?	-2 and -1	How many 8ths are there in a whole one?	8
Week 5		Week 6		<div><div>equivalent fractions</div><div></div><div></div><div></div><div></div></div>			
Questions	Answers	Questions	Answers				
Adding fractions requires a common denominator. True or False?	True. Denominators have to be the same in order to add fractions.	Convert $1\frac{3}{5}$ to an improper fraction	8 fifths				
Subtracting fractions requires a common denominator. True or False?	True. Denominators have to be the same In order to subtract fractions.	Convert $\frac{17}{6}$ to a mixed number	$2\frac{5}{6}$				
How do we convert a mixed number into an improper fraction?	Calculate how many fractions there are within the whole ones and add on the extra fraction.	Work out $\frac{2}{7} + \frac{3}{7}$	5 sevenths				
How do we convert an improper fraction into a mixed number?	Calculate how many times the denominator can divide whole into the numerator and then whatever is left for the fraction part	Work out $\frac{2}{3} + \frac{5}{6}$	$\frac{9}{6}$ or $1\frac{1}{2}$				
		Work out $1\frac{2}{5} + 3\frac{4}{7}$	$4\frac{34}{35}$				


Year 7 Science - Spring Term 2a



Week 1		Week 2		Week 3		Week 4	
Questions	Answers	Questions	Answers	Questions	Answers	Questions	Answers
What is variation?	Differences within and between species	From where are genetic variations inherited?	Parents	What kind of graph would you use to show continuous variation?	A line graph	Name the three types of rock	Igneous, sedimentary, and metamorphic
What are variations in blood group or eye colour caused by?	Genetics	What are short sections of DNA called?	Genes	What do we call a group of similar looking organisms that can breed together to produce fertile offspring?	A species	Name the type of rock that builds up in layers over time	Sedimentary
What are variations such as scars or accents caused by?	Environment	Which type of variation is not affected by the environment?	Discontinuous	Name the four parts of the Earth's structure	Crust, mantle, inner core, outer core	Slate, marble and gneiss are examples of which type of rock?	Metamorphic
What are variations in height or weight caused by?	Environment or genetics	Weight is an example of continuous or discontinuous variation?	Continuous	Name the part of the Earth's structure which is a semi-liquid layer of magma that moves due to convection currents	Mantle	At 5500°C and made from nickel and iron, which part of the Earth's structure is this?	Inner core
Which organelle is the site of respiration?	Mitochondria	Which vitamin helps treat scurvy, cancer and the common cold?	Vitamin C	Which state of matter has particles regularly arranged and closely packed?	Solid	If distance is divided by time, what is being calculated?	Speed
Week 5		Week 6					
Questions	Answers	Questions	Answers				
What is the name of the male animal gamete?	Sperm cell	What do we call the chemical or physical process in which rocks exposed to the weather are worn down?	Weathering				
What is the liquid that surrounds and protects the foetus called?	Amniotic fluid	What do we call the carrying away of weathered rock, soil or other materials on the Earth's surface?	Erosion				
Which cell carries genetic information and fertilises the egg cell?	Sperm cell	Which type of weathering occurs when rocks are broken up by roots of plants, or animals burrowing into them?	Biological				
What is the use of protein in a balanced diet?	Growth and repair	Which type of weathering occurs when rocks are broken up by changes in temperature, freezing or thawing of water or the action of waves?	Physical				
Which is the only state of matter that can be compressed	Gas	Which special cell is adapted such that it has no nucleus and a large surface area?	Red blood cell				

Year 7 Science - Spring Term 2b



Week 1		Week 2		Week 3		Week 4	
Questions	Answers	Questions	Answers	Questions	Answers	Questions	Answers
Which type of weathering is when rocks are broken up because substances in rainwater, rivers, seawater or the air react with the rocks?	Chemical	What is the unit of measurement for electric current?	Amp	What kind of graph would you use to show continuous variation?	A line graph	What is the outermost layer of the Earth called?	crust
Which state of matter takes the shape of the whole container?	Gas	What does resistance measure in a material?	Resistance measures how much a material tries to stop electricity passing through it.	What do we call a group of similar looking organisms that can breed together to produce fertile offspring?	A species	What is the mantle made of?	Semi-liquid magma or molten rock
Name the two types of stem cell	Embryonic and adult	What is the relationship between voltage, current, and resistance?	Voltage = Current × Resistance	Name the four parts of the Earth's structure	Crust, mantle, inner core, outer core	What causes movement in the mantle?	convection currents
During the menstrual cycle, around what day is the egg released?	Day 14	How is voltage defined in terms of energy and charge?	Voltage is the potential difference, a measure of the difference in energy per unit charge across a component.	Name the part of the Earth's structure which is a semi-liquid layer of magma that moves due to convection currents	Mantle	What is the inner core made of?	iron and nickel
Which organ does the skull protect?	Brain	What is the role of mitochondria in a cell?	Respiration to release energy	Which state of matter has particles regularly arranged and closely packed?	Solid	Which state of matter can you compress?	gases
Week 5		Week 6					
Questions	Answers	Questions	Answers				
What is the name of the system that includes the Sun and planets?	The Solar System	What are the phases of the Moon caused by?	The Moon's position relative to the Earth and Sun				
What causes day and night on Earth?	The rotation of the Earth on its axis	Which planet is closest to the Sun?	Mercury				
What causes an Earth year to be 365.25 days?	The Earth's orbit around the Sun	Which planet is known for its rings?	Saturn				
What is the difference between weight and mass?	Mass is the amount of matter in an object; weight is the force of gravity acting on that mass	What is the Moon?	A natural satellite that orbits the Earth				
What is the process by which a gas becomes a liquid?	condensation	What is the role of the chloroplast?	photosynthesis				