

KINGS'

Knowledge Organiser 2022-23 Year 7 | Autumn term

NAME: TUTOR:



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KINGS'

SCHOOL · WINCHESTER

How to use your knowledge organiser

You are given a Knowledge Organiser at the beginning of the term. You are responsible for it and need to take care of it. Please do not lose it, or doodle on it. We will ask you to replace any lost/defaced Knowledge Organisers, as they are a tool that you and your teachers will use in lessons and for homework.

Your teachers have created Knowledge Organisers to support each unit of learning across Key Stage 3. These are then compiled into a booklet for you. Knowledge Organisers are a simple tool that provides the foundational knowledge required for each particular unit across each subject. These are called your **Knowledge Base**. They are not the whole curriculum – you will be taught much more than this, but they do outline the basic knowledge that every pupil should know.

Your teachers will tell you how often you will need to learn from your knowledge organiser when it is set as homework. Working with a knowledge organiser every day helps to establish routines in home learning, developing a confident use of vocabulary and independent study skills. You will be tested on the information that you have learned from the knowledge organisers in your lessons. There are many effective ways of learning from a Knowledge Organiser. One way that your teachers may use is called: Look, Cover, Write, Check. Please do not be tempted to just copy from the Knowledge Organiser - studies have shown that this is not effective.

Subjects have also added other information for you – this is indicated in a section called a **Knowledge Builder**. This may be extension tasks, or further study that may interest you.

Please see these videos for more information on what Knowledge Organisers are, and how to use them:



Full Video



Look, Cover, Write, Check

INSPIRING FUTURES



EXCEPTIONAL CHARACTER



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Hard 🗲

→ Soft

Year 7 | Autumn Term 1

Pencil Grades



2. Shap	2. Shape and form				
2.1	two dimensional/shape	An image that has length and width – it is flat.			
2.2	three dimensional/form	An image that has height, width and depth.			
2.3	cone	A 3D shape with a circular base that narrows to a point.			
2.4	cube	A 3D box.			
2.5	sphere	A 3D Circle - a ball.			
2.6	cylinder	A 3D tube.			
2.7	ellipse	A circle shape in perspective.			

3. Tone - how light or dark something is				
3.1	highlights	ghlights The lightest area of an object or image.		
3.2	shadows	hadows A dark area where light is blocked.		
3.4	blending	A gradual transition between a colour or tone.		
3.5	gradation	A visual technique of gradually transitioning from one shade to another.		
3.6	shading	Use of tone to create form and shadow.		

6.Pain	5. Painting					
6.2	paint proportions Quantity of paint to create the correct colour.					
6.3	paint application	How the paint is applied.				
6.4	tint	The variation of a colour by adding white to it.				
6.5	shade	The variation of a colour by adding black to it.				
6.6	tone	The variation of a colour by adding grey to it.				

4. Visual elements			
4.1	line	A continual mark that joins two points together.	
4.2	4.2 tone How light or dark something is.		
4.3	.3 texture How something feels or looks like it feels.		
4.4	4 colour A reaction in our eye to the light reflected.		
4.5 pattern Made from a repeated shape or motif.			
4.6	shape	A 2-dimensional area with height and width.	
4.7	form	A 3-dimensional object with height, width, depth.	

5. Co	lour theory				
5.1	primary colours	Red, yellow, blue.			
5.2	secondary colours	Orange, green, purple.			
5.3	tertiary colours	When you mix a primary and secondary colour.			
5.4	complementary colours	Colours that are opposite each other on the colour wheel.			
5.5	analogous colours	Colours that are next to each other on the colour wheel and that blend well together.			
5.6	hot/warm colours	Reds, oranges, yellows.			
5.7	cold/cool colours	Blues, greens, purples.			
5.8	colour wheel	A circle with different coloured sectors used to show the relationship between colours.			

7. Cl	7. Classroom vocabulary					
7.1	depth	The perceived distance between the background and foreground.				
7.2	smooth	An even texture achieved with drawing or painting.				
7.3	accuracy	Being correct or exact.				
7.4	detail	A distinctive feature of an object or image.				
7.5	precision	The quality of being sharp or accurate.				

Knowledge Builder : Art

Foundation drawing and painting

Year 7 | Autumn Term 1

Watch how to create and blend different tones with a drawing pencil.



Watch how to use tone to create forms.











Visual elements

Line and tone	Colour, shape and pattern	Form and tone
Texture and colour		
Participant Construction		Texture, line and tone



Patterns

Watch how to paint the colour wheel.





Mixing paint to create tints and shades of a colour. Add white to create tints, black to create shades.



Blending from yellow through greens to blue.





1. The	1. The Basics – Using computers effectively at Kings'		2. How computers work			
1.1	password	Creating a strong and memorable password to access the schools' network: 8 characters must	2.1	What is a computer?	A computer is a programmable machine.	
		include numbers and capitals.	2.2	Computer system	All the different parts of a computer, including the devices you plug	
1.2	RM Unify Accessing and managing cloud-based				intoit.	
		systems: <u>https://kings-</u> winchester.rmunify.com/sso .	2.3	Input – Process - Output	Takes in data, processes it and then outputs the result.	
1.3	OneDrive	Let's you keep files that you create and store on your computer in sync with the cloud, therefore	2.4	What's inside a computer?	Components of a computer: motherboard, CPU, graphics card, RAM, network interface card.	
	accessing your work from home.		2.5	Hardware/	The physical parts of the computer.	
1.4	folders	Setting up an appropriate file structure.	5	Software		
	·		2.6	Software	The program that we run on our computer system.	

3. Computational thinking		4. Key Terms			
3.1	computational	In education, computational thinking is a set of	4.1	logic gates	The building blocks of the digital circuits.
	thinking	problem-solving methods that involve expressing problems and their solutions in ways that a computer could also execute.	4.2	decompositions	Decomposition involves breaking down a large problem into smaller sub-problems.
3.2	Boolean	AND / OR / NOT	4.3	Pseudocode	A simplified programming language, used in program design.
	operators		4.4	abstraction	To remove unnecessary information in order to solve a problem.
3.3	logic deduction	Deduction is the process of working out if something is TRUE or FALSE.	4.5	algorithm	An algorithm is a set of instructions for solving a problem or completing a task.
3.4	AND gate	An AND gate requires both inputs to be 4 switch on.	4.6	truth table	A mathematical table used to determine if a compound statement is
3.5	OR gate	An OR gate needs just one switch to be on.			true or false.
3.6	NOT gate	A NOT gate will change the input into the opposite.	4.7	lossy	Means that some of the original data will belost.
			4.8	lossless	Means that none of the original data will be lost.
3.7	repeat	A repeat structure saves writing so many instructions.	4.9	flowcharts	A diagram of the sequence of movements.
3.8	compression	Reducing the amount of data needed to store or transmit something.			

Knowledge Base: Computing

Flowol

Year 7 | Autumn Term 1

1. Key	y Terms			Flowchart B	asics:	Using variables in Flowol
1.1	control system	A control system is a system where we want to control the output of devices. We can do this in a variety of different ways including the use of sensors.			Start / Stop Process	 A variable can be initialised with a starting value The value of a variable can be increased or
1.2	Flowol	Flowol is a software app that allows students to learn how to control devices by creating flowcharts.			Decision	 decreased in a computer program The value of a variable can be checked in a computer program and
1.3	sequence	A particular order in which related things follow each other.	DI			used to make decisions
1.4	process	A process is another name for a set of tasks or steps to be carried out in the correct sequence.	DI	FFER	CEINT TYP	Proximity Sensor
1.5	decision	When you ask a question and the answer is either YES or NO, then you are making a decision about which path to follow in a flowchart.	C		Color Sensor Gas Se Gas Se Color Sensor Alcohol Sensor re Sensor)	Insor LDR (Light Sensor) Smoke Sensor Thermistor (Temperature Sensor)
1.6	inputand output	Control systems may require information to come into the system (a reading from a sensor) or to go out (to start a machine).	legither	Rain Sensor	sor PIR Sensor Water	IR Receiver Flow Sensor
1.7	subroutine (subprogram)	A subroutine is a smaller process used by a larger process. When the smaller process has finished, the larger process that used it continues from where it left off.	IR Sen	sor IR Sen: e Type) (Reflective	Sor Touch Sensor Type)	Sensor Gyroscope Photo Transistor (Light Sensor) Soil Moisture Sensor
1.0		A sensor is a device that records changes in data. A	1.9	actuator	An actuator is a part of a and a sensor may be part	a machinethat controls another device. An actuator rt of the same machine.
1.8	sensor	light diode detects changes in how bright the light is outdoors. Data from sensors is used elsewhere in the systems.	1.10	variable	A variable is a name give change. You can use ma multiply (x), divide (/) to	en to data in your flowchart that you may want to ths operators on variables: add (+), subtract (-), change data.

Knowledge Builder: Computing



Managing information on a computer, BBC Bitesize

Computer and technology based news and developments, BBC Click

Computational thinking – learn to code Online coding tutorials, Code.org



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Strett	n your vocabulary	
a.1	Binary	Binary is a number system that only uses two digits: 1 and 0. All information that is processed by a computer is in the form of a sequence of 1s and 0s
a.2	Hexadecimal	The hexadecimal numeral system, often shortened to "hex", is a numeral system made up of 16 symbols (base 16))
a.3	ASCII Code	ASCII is a 7-bit code, meaning that 128 characters (27) are defined
a.4	Moore's Law	The observation that the number of transistors in an integrated circuit doubles about every two years.

Stret	Stretch your vocabulary					
b.1	Іоор	A sequence of instruction s that is continually repeated until a certain condition is reached.				
b.2	interface	A programming structure/syntax that allows the computer to enforce certain properties on an object (class).				
b.3	hardware	The physical components of the computer, such as the central processing unit (CPU, hard disk, monitor, keyboard and mouse.				
b.4	default	A predesigned value or setting that is used by a computer program when a value or setting is not specified by the program user.				







Flowol 4 PDF



Future careers in computer control



You Tube Video - Flowol Tutorial



Article on the significance of a flowchart



Online tutorial – control systems



BBC bitesize flowcharts

At ho	ne challenge
1	Think of one room in your house (maybe your bedroom) where it would be great if a machine or machines did something for you?
	Can you think of a futuristic example of a control system like this?
	Draw your room with a new control system. Explain what your control system does and how it might work.
	Can you think of any examples of sensors and /or actuators that you control system might use?

1. PERFORM VERY SUCCESSFULLY				
Physical	1.1	gesture	A defined movement which clearly communicates meaning.	
	1.2	eye contact	When two people look directly into one another's eyes, or at a fixed position.	
	1.3	posture	Is the position of a person's body when standing or sitting.	
Vocal	1.4	expression	Conveys an emotion that tells us about the character and the way they react to the situation.	
	1.5	emphasis	Stress on a particular word or phrase within a sentence to indicate importance or change meaning.	
	1.6	projection	The strength of speaking whereby the voice is used loudly and clearly.	
Space	1.7	levels	Can be used to suggest different locations, status and authority one character has over another.	
	1.8	proxemics	The way space/distance between characters on stage is used to represent the relationship between them.	
	1.9	stage presence	Is the energy, or charisma and appeal, that an artist has whilst performing	

	2. UNIT KEY VOCABULARY				
1.10	T2	comedy	Entertainment designed to make an audience laugh.		
1.11	T2	tragedy	Drama based on human suffering, where a terrible fate befalls a character.		
1.12	T2	chorus	A group of actors who describe and comment upon the main action of a play with a collective voice.		
1.13	Т2	prologue	The opening to a story that establishes the context and gives background details.		
1.14	Т3	exodus	The final scene of a Greek play, often linking back to the prologue and explaining the moral.		
1.15	T3	amphitheatre	An open-air circular or oval performance space with tiered seating for the audience.		

	3. DRAMA KEY VOCABULARY				
1.16	T2	narration	Providing the audience with background information or commentary on the action of the play.		
1.17	Т2	choral speaking/ movement	A group of people speaking/moving together or sharing a speech.		



Watch the animated video that explains Greek Theatre to you, covering all of the information we will cover throughout the unit.



Oedipus Written by Sophocles 1.21 Lysistrata • Written by Aristophanes • Written by Sophocles 1.20 1.22 • • Genre - tragedy • Genre – Comedy • Genre – tragedy • Themes – fate, shame, truth • Themes – fate, • Themes – power, gender, politics power, femininity

Pantomime

		1. U	NIT KEY VOCABULARY	Read, cover, cheo
1.1	T2	comedy	Entertainment designed to make an audience laugh.	spelling of panto
1.2	T2	exaggeration	When an actor over emphasises a movement/s, line/s or action/s to emphasise or entertain for dramatic effect.	
1.3	T2	ensemble	A group of actors who perform together, demonstrating individual characters.	65
1.4	T2	catchphrase	A well-known sentence or phrase.	
1.5	Т3	audience	A group of spectators gathered to watch and listen to an event such as a play, concert, film or meeting.	
1.6	Т3	fourth wall	An invisible wall that separates the performers on stage from the audience.	Proxemics = Ho characters are f

	2. DRAMA KEY VOCABULARY						
1.7	T2	stock characters	Templates of characters which can be seen in many different shows e.g. dame, faithful sidekick.	Proxemics and s closely togethe genre to help t memb			
1.8	Т3	audience participation	When an actor/s speak directly to the audience and encourage them to boo, cheer and otherwise engage with the action on stage.	relationshi cha For example; th			
1.9	T2	directaddress	Speaking directly to the audience.	'Cinderella' wa together			
1.10	T2	slapstick comedy	Physical, exaggerated comedy movements/fights/routines to entertain the audience.	close relationship Cinderella to			

Read, cover, check the spelling of pantomime





Watch this video that explains a brief history of Pantomime Theatre, covering some of the information we will learn throughout the unit.

Books to read:



National Theatre: All about theatre

Proxemics = How close or far away characters are from each other on	Further key vocabulary check		
stage Proxemics and status are used very closely together in the pantomime genre to help to inform audience members of the relationships between the characters. For example; the evil step sisters in 'Cinderella' would be stood close together to show their close relationship, and far away from Cinderella to show that those	clocking	When an actor makes direct eye contact/interacts with the audience to emphasise/include them in a comic moment.	
	roleplay	To perform a character, different from ourselves, in a way that our audience believe they are real.	
	timing	The moment when an actor chooses to pause, clock the audience, or deliver their line/movement for optimum effect.	
characters didn't get on.			

	3. UNIT CONTEXT					
1.11	Commedia Dell'arte	 Started in 16th Century Italy Influenced Pantomime stock characters 	1.12	Melodrama	• Exaggerated conflicts within a piece of drama, emphasised by the use of music, song and dance	

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18 S.
sec.

Chara	cters			Vocabula	ary
1.1	Arthur Pendragon	Legendary British King who led the defence of Britain.	1 [2.1	ł
1.2	Bercelet	Arthur's dog	1		_
1.3	Merlin	A powerful warlock, keeps his magical powers hidden as it is	1 L	2.2	t
		banned in Camelot.		2.3	t
1.4	Lancelot	King Arthur's close companion and one of the greatest Knights of	1 [
		the Round Table.		2.4	f
1.5	Guinevere	The wife of King Arthur.		2.5	Ę
1.6	Gawain	King Arthur's nephew and a Knight of the Round Table.	1[2.6	0
1.7	The Green Knight	A Knight who challenges anyone to cut off his head with a sword.	1 -		

Vocabulary					
	2.1	hibernate	When an animal spends the winter in an inactive state.		
2.2 triumphant Having w			Having won a battle or contest.		
	2.3	tournament	A competition involving at least three competitors.		
	2.4	feast	A large meal, typically a celebratory one.		
	2.5 gallop The fastest pace of a horse.				
]	2.6	courteous	Being polite and respectful.		

Technic	ques	
3.1	noun	The name of a person, place or thing e.g. Arthur
3.2	verb	Words that show an action e.g. told
3.3	adjective	A descriptive word e.g green
3.4	adverb	A word that describes a verb e.g. slowly

Features of	Features of legends				
5.1	legend An old story that is widely believed but cannot be proved to be true				
5.2	magic Having supernatural powers				
5.3	mythical creatures Supernatural animals/beings. e.g. a dragon				
5.4	damsels in distress A young woman in danger				
5.5	5.5 quests A journey toward a specific mission or a goal				
5.6	chivalry	Very polite, honest, and kind behaviour, especially men towards women.			

Context	Context				
4.1	.1 Camelot Camelot is a castle and court associated with the legendary King Arthur.				
4.2	Excalibur	The legendary sword of King Arthur, believed to have magical powers.			
4.3	The Round Table	King Arthur's table in the Arthurian legend, around which he and his knights sit.			
4.4	The Scilly Isles	A group of islands off the coast of Cornwall.			
4.5	Saxons	A group of people from Germany who settled in Britain.			

Poems & Poets				Vocabulary			
1.1	The Walrus & the Carpenter	A light-hearted, rhythm-based poem.		narrative	A spoken or written story. Can take many forms.		
1.2	Dinnertime Chorus by Sharon Hendrick	A poem full of personification based on dinnertime.	2.2	chorus	A large, organised group of singers or a section of a song that is repeated.		
1.3	The Lady of Shalott by Alfred	A heavily descriptive poem with focus on nature.	2.3	ballad	A narrative written to be performed aloud (orally) - particularly		
14	A Boy Named Sue by Johnny	A comedic country song in first nerson narrative			popular before books and texts were widely a vailable.		
1.4	Cash		2.4	ghetto	A poor a rea of a city, often with a high number of minority residents.		
1.5	In the Ghetto by El vis Presley	A sombre song a bout life in an American ghetto (2.4).	2.5	lyric	The words to a popular song or a type of poem full of emotions.		
1.6	The Gambler by Kenny Rogers	A song comparing the art of gambling to living a successful life, using extended metaphor.	2.6	anecdote	A short story within a text or speech a bout a real incident of person. Often used for amusement but sometimes for serious impact.		
1.7	One DaybyAmyLudwig VanDerwater	A poem reflecting on a personal childhood memory.	L				
1.8	Nettles by Vernon Scannell	A poem combining the techniques covered this term.					

Techniques			Context		Themes					
3.1	simile	The comparison of one person or thing to another, using like or as.	4.1	origin of narrative poetry	4.1 origin of narrative poetry	origin of narrative poetryA genre with thousands of years of history. Famous examples include The	A genre with thousands of years of history. Famous examples include The	5.1	comedy	Light-hearted, created for humour and to make people laugh.
22	motophor	The comparison of one person or			Canterbury Tales.		emotion &	Strong feelings, whether positive or		
5.2	metaphor	thing to another, using is/was/were. Sometimes 'stronger' than a simile.	4.2	Shalott	A fictional Island close to the famous kingdom of Camelot. The 'Lady' lives in a castle on the island.		leening	narratives. This can include love, hate, sadness, joy, regret and more.		
3.3	extended metaphor	Metaphor or group of metaphors that continue throughout a text.	4.3 Country music (Cash, Presley,		Genre of music popular in the southern states of the USA. Songs often follow a	5.3	love & romance	In narrative poems and songs, love rarely runs smoothly.		
3.4	e motive language	ve language When certain word choices are made to evoke an emotional		Kogers)	lives of characters.	5.4	memories	Many narratives look back on		
			4.4	poker (The Gambler)	Card game where players must make			somebody's past.		
3.5	personification	Applying human characteristics to non-human things eg; animals,	Gambl		good decisions and attempt to keep their feelings hidden so they don't give anything away.	5.5	family and relationships	Narrative poems and songs often explore the complex relationships between family, friends or partners.		
		objects, nature	4.5	Vernon Scannell (writer of 'Nettles')	A soldier during World War 2. His poetry often reflected his experiences at war. He believed that war never left a person's memory.					

Knowledge Builder: English Arthur and The Knights of the Round Table

Books to read:

Learn about King Arthur:







Learn about the origins of Merlin:

Films to watch:







What makes a poem...a poem? Short TED presentation:





Books to read:

MII

The Lady of Shalott - full version and shortfilm:







1 linear narrative A story that is structured in a chronological order. 2 A story that begins and ends with the same idea. cyclical narrative 3 A group of dancers, actors, or other entertainers who tour troupe to different venues. A particular attitude towards or way of 4 pers pective regarding something; a point of view. The reason something (a poem) is created. Intended 5 purpose impact and effect. 6 Of nature and weather conditions to develop or establish a pathetic fallacy mood or tone, eg; dark, rainy night. 7 A story or poem in which the characters symbolise a wider allegory meaning or purpose. Poetic example – The Pilgrim's Progress by John Bunyan.

Stretch	Stretch your vocabulary				
1	soothsayer	A person supposed to be able to foresee the future.			
2	deerhound	A large breed of dog, once bred to hunt the red deer.			
3 harp A stringed musical instrument.		A stringed musical instrument.			
4	sorcery	the use of magic for negative reasons.			
5	camomile	A herb with healing qualities.			
6	maudlin	Self-pitying and emotional			

13

Knowledge Builder: English Narrative Poetry

1a.Food	1a. Food safety and hygiene – 4 C's				
1a.1	cleaning	Wash hands and clean work surfaces and equipment before cooking to kill harmful bacteria.			
1a.2	cooking	Cooking kills harmful bacteria. At 75°C kills most bacteria is killed.			
1a.3	chilling	Chilling below 5°C slows down bacteria multiplying. Store in fridge (0-5°C) or freezer (018°C).			
1a.4	cross- contamination	Bacteria is spread from one surface to another.			

2. Allergies and food intolerances					
2.1	allergic reaction	An immune reaction that the body has to a food or substance. They can be life-threatening.			
2.2	allergen	A substance that causes an allergic reaction.			
2.3	food intolerance	When the body cannot break down certain foods. It can cause stomach pains, diarrhea and vomiting.			

3. Food	3. Food science				
3.1	enzymic browning	Oxidation reaction that takes place on the surface of fruits and vegetables, causing the food to turn brown.			
3.2	raising agent	Something that makes a mixture rise. For example, whisking, baking powder and yeast.			
3.3	gluten	The protein in flour that helps make dough elastic, helping it to rise.			
3.4	kneading	Movement to stretch the gluten in dough.			
3.5 fermentation The reaction where yeast released carbon dioxide.		The reaction where yeast released carbon dioxide.			
3.6	setting	When a mixture turns from liquid to solid.			

COOKING ZONE	
DANGER ZONE	170 1111 1110 1110 1110 1110 1110 1100 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 10
COLD	International In

1b. Food s	1b. Food safety and hygiene – key temperatures			
100°C	°C Water boils			
75°C	All bacteria is killed. Cooked food is safe to eat at this temperature.			
63°C	Hot holding temperature. Bacteria cannot multiply.			
5-63°C	Danger Zone! Bacteria grow rapidly in this range			
0-5°C	Fridge temperature. Bacteria grow slowly.			
018°C	Freezer temperature. Bacteria are asleep (dormant).			

c. Food safety and hygiene – storage and preparation



Knowledge Base: Food Technology





4. Practical skills		
4.1	bridge hold	Form a bridge over the ingredient with your hand and put the knife underneath.
4.2	clawgrip	Curl fingers inwards and grip the food with your fingertips, keeping fingers away from the knife.
4.3	simmer	When a liquid stays below boiling point, bubbling gently.
4.4	rub-in	Coating flour grains in fat using fingertips to make breadcrumbs.
4.5	glaze	Liquid is used to form a smooth, shiny coating on food.
4.6	whisk	To beat a mixture to add air and make it light.
4.7	sifting	Passing flour through a sieve to remove lumps and add air.
4.8	knead	To massage and push a dough to stretch and develop the gluten.
4.9	prove	Allowing a bread dough to rise.
4.10	blend	Making a mixture smooth by using a blender.
4.11	reduction sauce	A sauce that uses boiling and simmering to thicken it.

b. Nutrition - Eatwell Guid



6c. Nutrition - 8 tips for healthier eating

- 1. Base meals on starchy carbohydrates
- 2. Eat lots of fruits and vegetables
- 3. Eat more fish including a portion of oily fish
- 4. Cut down on saturated fat and sugar
- 5. Eatless salt (max. 6g a day for adults)
- 6. Get active and be a healthy weight
- 7. Don't get thirsty
- 8. Don't skip breakfast

5. Sensory analysis		
5.1	taste	sweet, salty, umami (savoury), bitter, sour
5.2	texture	soft, crunchy, juicy, crumbly, light, thick
5.3	appearance	golden, colourful, rich
5.4	aroma (smell)	cheesy, sweet, aromatic

6a. Nutrition - energy balance

6d. Nutri	6d. Nutrition		
6d.1	macronutrients	Nutrients that we need in large amounts. Fats, carbohydrates and protein.	
6d.2	fat	A macronutrient needed to give us energy.	
6d.3	protein	A macronutrient needed for growth and repair.	
6d.4	carbohydrate	A macronutrient needed to give us energy.	
6d.5	micronutrients	Nutrients that we need in small amounts. Vitamins and minerals.	
6d.6	fibre	A type of carbohydrate that keeps our gut healthy.	
6d.7	water	Helps to keep us hydrated. 6-8 glasses a day required.	

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Find the Eatwell Guide Knowledge Organiser for more information about healthy eating The Eatwell Guide.



Calculate the energy and nutrients provided by a food diary for one or two days using the calculator above and reflect on the results.



Books and magazines to read:

Programmes to watch:



Food Unwrapped – explores how our favourite foods are made industrially.



Explore The Grain Chain, following the processing of wheat to flour.

Stretch your vocabulary		
a1	coagulation	The setting of protein in the presence of heat and/or acid.
a2	calcium	A mineral that helps to support strong bones and teeth.
a3	iron	A mineral that helps to make red blood cells.
a4	vitamin D	A vitamin that helps to absorb calcium to support strong bones and teeth.
a4	phosphorus	A mineral that helps to support teeth and bones.

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January

February March

April

May

June

July

August

September

October

November

December



1. Bonjour – Basic Greetings	
Salut!	Hi! Bye!
Bonjour!	Good morning!
Au revoir!	Goodbye!
A plus!	See ya!

2. Questions et réponses Key qu	uestions & answers
Ça va?	How are you?
Ça va bien, merci!	Good, thanks!
Ça va très bien, merci!	Very well, thanks
Pas mal, merci!	Not bad, thanks!
Non, ça ne va pas!	No, not good!
Ça s'écrit comment?	How do you spell that?
Ça s'écrit…	You spell it
Comment t'appelles-tu?	What's your name?
Je m'appelle	My name is
Quel âge as-tu?	How old are you?
J'aians.	I am years old.
C'est quand ton anniversaire?	When is your birthday?
Mon anniversaire, c'est le	My birthday is

8. Giving opinions		
C'est super.	Great.	
C'est intéressant.	It's interesting.	
C'est nul.	lt's rubbish.	
C'est ennuyeux.	It's boring.	

3. Les	numéros de 1	à 31	Numbers 1-31	4. Les mois
1.	un	17	dix-sept	janvier
2	deux	18	dix-huit	février
3	trois	19	dix-neuf	mars
4	quatre	20	vingt	avril
5	cinq	21	vingt-et-un	mai
6	six	22	vingt-deux	juin
7	sept	23	vingt-trois	juillet
8	huit	24	vingt-quatre	août
9	neuf	25	vingt-cinq	septembre
10	dix	26	vingt-six	octobre
11	onze	27	vingt-sept	novembre
12	douze	28	vingt-huit	décembre
13	treize	29	vingt-neuf	
14	quatorze	30	trente	
15	quinze	31	trente-et-un	
16	seize			

6. En classe	Classroomlanguage
Est-ce que je peux avoir?	Can I have?
un stylo	a pen
un cahier	a book
Comment dit-on en français?	How do you say in French?
Comment dit-on en anglais?	How do you say in English?
Est-ce que vous pouvez répéter s'il- vous-plait?	Can you repeat, please?

	5. Les jours de la semaine - Days of the week		
	lundi	Monday	
	mardi	Tuesday	
	mercredi	Wednesday	
	jeudi	Thursday	
	vendredi	Friday	
	samedi	Saturday	
	dimanche	Sunday	

7. Saying what you like and dislike	
J'aime	Hike
J'adore	llove
Je n'aime pas	I don't like
Je déteste	I hate
Je préfère	l prefer
le foot	football
le rugby	rugby
le tennis	tennis
le vélo	cycling
le skate	skating
lejudo	judo
les jeux vidéo	video games
la danse	dance
la musique	music
la gymnastique	gymnastics

1. Talking about animals		
Tu as un animal?	Do you have a pet?	
J'ai	I have	
un chat	a cat	
un cheval	a horse	
un chien	a dog	
un cochon d'Inde	a Guinea pig	
un hamster	a hamster	
unlapin	a rabbit	
un oiseau	a bird	
un poisson rouge	a goldfish	
un serpent	a snake	
une souris	a mouse	
une tortue	a tortoise	
Je n'ai pas d'animal	I haven't' got a pet	

2. Les couleurs			
blanc	white	rose	pink
jaune	yellow	bleu	blue
orange	orange	vert	green
marron	brown	gris	grey
rouge	red	noir	black

3. Talking about your family		
As-tu des frères et sœurs?	Do you have any brothers and sisters?	
J'ai	I have	
un frère / deux frères	a brother / two brothers	
une sœur/deux sœurs	a sister / two sisters	
Je n'ai pas de sœur	I haven't' got any sisters	
Je n'ai pas de frère	I haven't' got any brothers	
Je suis fils unique	I am an only child (m)	
Je suis fille unique	I am an only child (f)	
C'est	It is	
mon père	my dad	
ma mère	my mum	
mes parents	my parents	
mon grand-père	my grandfather	
ma grand-mère	my grandmother	
mes grands-parents	my grandparents	
mon oncle	my uncle	
ma tante	my aunt	
mon cousin	my cousin (m)	
ma cousine	my cousin (f)	

4. Saying what you eat and	ddrink
Qu'est-ce que tu manges	What do you eat
Qu-est-ce que tu bois	What do you drink
pour le petit déjeuner?	for breakfast?
pour le déjeuner?	for dinner?
Je mange	l eat
une tartine	bread and jam
un pain au chocolat	a pain au chocolat
des fruits	fruit
des céréales	cereal
un croissant	a croissant
une glace	anice-cream
une pizza	a pizza
un sandwich au fromage	a cheese sandwich
un sandwich au jambon	a ham sandwich
Je bois	I drink
un thé	tea
un chocolat chaud	hot chocolate
un jus d'orange	orange juice
un café	coffee
un coca	coca cola
une limonade	lemonade

Knowledge Base: French Je me présente | Year 7 Autumn Term 2

Knowledge Builder: French Je me présente | Year 7 Autumn Terms 1 & 2

5. Saying where you live		
Où habites-tu?	Where do you live?	
J'habite	Ilive	
dans un château	in a castle	
dans un appartement	in an apartment	
dans une maison	in a house	
dans une ferme	in a farm	
à la campagne	in the country	
à la montagne	in the mountains	
au bord de la mer	by the sea	
dans une ville	in a town	
dans un village	in a village	
dans la forêt	in the forest	

1. The verb 'être' (to be)		
Je suis	lam	
Tu es	You are	
II est	He is	
Elleest	She is	

1. The verb 'avoirr' (to have)		
J'ai	Ihave	
Tu as	You have	
lla	He has	
Ellea	She has	



BBC Bitesize: Introduce yourself in French



BBC Bitesize: Talking about food in French





BBC Bitesize:

Talking about family and pets

in French













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6. Talking about nationalities and countrie		
l'Angleterre	England	
la France	France	
le Pays de Galles	Wales	
l'Irlande	Ireland	
la Belgique	Belgium	
l'Ecosse	Scotland	
anglais-anglaise	English	
français–française	French	
gallois-galloise	Welsh	
belge	Belgium	
écossais - écossaise	Scottish	

1. Types of Geography		
1.1	physical	Natural features or events including landforms and features e.g. rivers, coasts, rainforests.
1.2	human	Where and how people live. e.g .population, cities, rural, urban, settlements.
1.3	environmental	Human and physical geography linked together. Including environmental pollution.

4. Understanding geographical cause and effect		
4.1	cause	Something that results in an effect e.g. heavy rain caused flooding.
4.2	effect	A positive or negative change which is a result of a cause. E.g. the effect of an earthquake was damaged buildings.
4.3	environmental	Related to the natural world.
4.4	economic	Related to making money (economy) and jobs (employment).
4.5	social	Related to people's wellbeing.
4.6	climate change	A change in the typical weather for a region over a long period of time. Linked to increased amounts of carbon dioxide from the burning of fossil fuels e.g. oil, gas.
4.7	sustainability	The idea that humans must interact with their environment in a way that ensures there will be enough resources left for future generations.

2. Desc	2. Describing places		
2.1	geographical characteristics	Distinguishing features or quality; it is something that makes a place different from others. e.g temperature, vegetation, population size.	
2.2	ecosystem	An area where plants, animals, and other organisms, as well as weather and landscapes, work together to form a bubble of life.	
	tundra biome	A place where the ground stays frozen for most of the year and there is very little precipitation.	
2.3	glacier	A slowly moving mass or river of ice formed by the accumulation and compaction of snow.	
2.4	hot desert biome	Also known as arid (meaning dry) deserts, the temperatures are warm and dry year-round.	
2.5	precipitation	Water that falls to the earth as hail, mist, rain, sleet, or snow.	
2.6	geographical evidence	Facts and figures that provide information about the physical, human and environmental geography.	
2.7	climate graphs	These show average monthly rainfall and temperatures typically experienced in a particular location. The temperature is shown on a line graph, and rainfall on a bar graph.	

3. Locat	3. Locational information		
3.1	equator	An imaginary line that It runs east and west around Earth's middle. The equator is also called 0° latitude.	
3.2	hemisphere	The earth is a sphere. The equator divides the earth - Places north of the equator are in the Northern Hemisphere. Places south of the equator are in the Southern Hemisphere.	
3.3	continent	Large solid area of land made up of many countries (Africa, Asia, Europe, North America, South America, Antarctica, Oceania)	

1. Usi	1. Using maps		
1.1	What is a map?	Maps are pictures or digital representations of the Earth's surface.	
1.2	Who is the Ordnance Survey?	They are Great Britain's national mapping agency - their map are relied on by government, business and individuals.	
1.3	What is a map symbol?	Simple images, letters and abbreviations that show us human and physical features on a map.	
1.4	key	Every map will have a key to show us what symbols mean and what scale the map is.	

3. How far, which direction, how high?				
3.1	contour lines	Lines drawn on maps that join places of the same height.		
3.2	scale	This is a ratio of the distance on a map to the real world distance. These help us to work out distances on maps.	w	
3.3	spot height	The height above sea level in metres (A black dot with a number next to it on a map).	24	
3.4	compass direction	North, south, east, west. Also NE, NW,SE,SW. Direction is given using compass point e.g. head in a northerly direction. X is to the West of Y.	33	
3.5	relief	The height and shape of the land.		



62

Dark blue square: 4 figure = 62 33 6 figure = 625 333

23434783

63

2. How do we locate places?				
2.1	equator	The imaginary line that circles the earth at 0° latitude.		
2.2	northern hemisphere	The half of the earth above the equator.		
2.3	southern hemisphere	The half of the earth below the equator.		
2.4	latitude	Imaginary horizontal lines that show how far north or south you are from the Equator (0°).		
2.5	longitude	Imaginary vertical lines that show how far east or west a place is from the prime meridian (0°).		
2.6	prime meridian	The line which runs through Greenwich in London. The Prime Meridian is 0° longitude.		
2.7	continent	Large solid area of land made up of many countries (Africa, Asia, Europe, North America, South America, Antarctica, Oceania).		

4. How	4. How do I use grid references?			
4.1	grid reference	A position on a map that has been divided into squares. Similar to a coordinate (but without the comma!).		
4.2	4 figure grid References	Used to pinpoint a location in a particular square. It is always given for the bottom left hand corner of the square (the South West corner). Read the horizontal line number first, then the vertical number.		
4.3	6 figuregrid References	These are used to pinpoint a location more accurately within a square. A six figure grid references splits a grid square up into ten sections along the bottom and the side		

Knowledge Builder: Geography

Amazing World

Year 7 | Autumn Term 1



Interested in learning more about Svalbard head to Britannica

Interested in learning more about Dubai -head to Britannica



Curious about people and places? Search the library at National Geographic.



Interested in learning more about the Great Barrier Reef - head to Britannica

Check out these inspirational explorers











Map Skills





GEOGRAPH

OUR WORLD EXPLAINED #12 SIMPLE MAPS





	142
	OUR PLA
Series to watch:	
	ALLASTA & POTASSELL & ANTO Status (1), March 71, March 7















TIM IARSHALL	Series to watch:	LUPIS POPULATION
study of m	aps	

all types of descriptive information

mapping and analysis that is used in science and almost every industry.

(what things are like there).

This provides a foundation for

The GIS (Geographical In A system that creates, manages, formation System) analyses, and maps all types of data. GIS connects where things are with

22

Knowledge Builder: Geography



Want to test your map skills? Head over to the Ordnance Survey Map Zone for some games to test your skills.



Head over to Google Earth to explore the World.



from National Geographic on maps

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cartography



							4.5.11	
1.0 Hallo!	Hello!	1.2 Wiealt bist du?	How old are you?	1.3 Wo wohnst du?	Wher	e do you live?	1.5 Wer war das?	Who was that?
Guten Tag!	Good day!	Ichhin	Lam	Ich komme aus	I com	e from	einundzwanzig	21
Guten Morgen!	Good morning!	Jahre alt	years old	Deutschland	Germ	any	droifig	21
Guten Abend!	Good evening!	null	0	Großbritannien	Great	Britain	drensig	30
Wiegeht's?	How are you?	eins	1	Österreich	Austr	ia	vierzig	40
gut, danke.	Well, thank you.	zwei	2	der Schweiz	Switz	erland	fünfzig	50
nichtschlecht	not bad	drei	3	Ich wohne in	Ilivei	in	sechzig	60
nichtsogut	not so well	vier	4	das Dorf	villag	je	siebzig	70
Tschüss!	Bye!	fünf		die Stadt	town		achtzig	80
Auf Wiedersehen!	Goodbye!		5	Ich finde	I find		neunzig	90
Montag	Montag	secns	6	interessant	intere	esting	hundert	100
Dienstag	Tuesday	sieben	/		borin	.a	zweihundert	200
Mittwoch	Wednesday	acht	8	tall	groot	5	tausend	1000
Wittiwoch		neun	9		great		sechsundvierzig	46
Donnerstag	Thursday	zehn	10	es gefällt mir	llike	it	achtundneunzig	98
Freitag	Friday	elf	11	1.4 Herzlichen Glückwu	nsch	Happy birthday!	amersten	on 1 st
Samstag	Saturday	zwölf	12	Wann hast du Geburtsta	ag?	When is your birthday?	am zweiten	on 2 nd
Sonntag	Sunday	dreizehn	13	Ich habe im Geburtsta	а.	My hirthday is in		
1 1 Michailt du2	What arough called?	vierzehn	14	lanuar	5			ON 3 rd
		fünfzehn	15			January	am vierten	on 4 th
Wiesagt man?	How do you say?	sechzehn	16	Februar		February	am sechsten	on 6 th
Wieschreibt man das?	How do you write it?	sichzehn	17	März		March	am siebten	on 7 th
Ich heiße	I am called		1/	Mai		Мау	am achten	on 8 th
das Mädchen	girl	achtzehn	18	Juni		June	am zwanzigsten	on 20 th
der Junge	boy	neunzehn	19	Juli		July	am dreißigsten	on 30 th
die Frau	woman	zwanzig	20	Oktober		October]	
der Mann	man	1		Dezember		December	1	

beard

moustache

freckles



2.1 Meine Familie	My family	2.2 Meine Freunde	My friends	2.3 Farben und Aussehen	Colours and appearance
Hast du Geschwister?	Do you have siblings?	Wieister / sie?	What is he/she like?	Was ist deine	What is your favourite
Ich habe einen Bruder	I have a brother	erist	he is	Lieblingsfarbe?	colour?
Ich habe eine Schwester	I have a sister	sieist	sheis	blau	blue
Ich bin Einzelkind	lam an only child	freundlich	friendly	rot	red
Ich habe keine Geschwister	I have no siblings	intelligent	intelligent	gelb	yellow
Großmutter / Oma	grandmother	kreativ	creative	violett	violet
Mutter	mother	lustig	funny	orange	orange
Halbschwester	halfsister	faul		grün	green
Stiefschwester	stensister	frech	cheeky	braun	brown
Stiefschwester	stepsister		maadu	grau	grey
			noody	schwarz	black
Vater	father	egoistisch	selfish	weiß	white
Großvater / Opa	grandfather	schüchtern	shy	Wiesiehst du aus?	What do you look like?
Halbbruder	halfbrother	leise	quiet	blond	blond
Stiefbruder	stepbrother	auch	also		
Stiefvater	stepbrother	(gar) nicht	not (at all)	glatt	straight
Eltern	parents	sehr	very	lockig	curly
Großeltern	grandnarents	ziemlich	quite	lang	long
Zwillingo	buing			kurz	short
Zwiiiinge	twins			mittellang	medium-length

Knowledge Builder:



Logo provides access to a wide range of listening and reading resources. You can watch the last seven days of news bulletins and read about anything that takes your interest.



Bart

Schnurrbart

Sommersprossen

Knowledge Base: History

Anglo-Saxon England and 1066

Year 7 | Autumn Term 1



1. Which groups came to Great Britain and what did they bring?				
1.1	Celts	Arrived a round 500BC. Some of their religious festivals are still celebrated today, for example Halloween and Mayday. Leaders voted into important positions of power.		
1.2	Romans	Arrived in 43AD. Introduced cabbage, peas, cats, wine and apples. Built many roads that current roads a re based on. Roman towns like York, Chester and Bath stillexist today.		
1.3	Anglo- Saxons	Arri ved a round 410AD. Anglo-Saxon formed the base of modern English, words like bed, cat, dog, lick, tree, jump. Places ending in 'ton' or 'burh' were Anglo-Saxon in origin.		
1.4	Vikings	Arri ved from 792 AD. Words like happy, angry, ill, skirt, skin and bag. Days of the week are named after Viking Gods: Thursday = 'Thor's day' Thor wasthe god of thunder Friday= 'Freya's day' Freya was the goddess of beauty.		

3. 1066	band the contend	ers for	the throne.			
3.1	heir	The person who will become king a fter the current king dies.		<u>WilliamDuke of</u> <u>Normandy.</u> Ruled Normandy,	orizons, construct,	
s uccession Succeeding or coming after a nother person.		France, since the age of 10. He believed he had be en promised the				
	witan	The Anglo-Saxon national council.		the Confessor.		
3.2	Harold Godwins Also known as Harold II. Fough Keybattles at Stamford Bridge and Hastings in 1066.	son. It		<u>Harald Hardrada</u> Fearsome King of Norway, often called the last Viking. Had a reputation as a brilliant fighter but also cruel to enemies.		

2. Life	2. Life in Anglo-Saxon England.					
2.1	hundred	The smaller a rea counties were split into in Anglo-Saxon England.				
2.2	wergild	Compensation paid by someone for committing offence or injury to a nother.				
2.3	thane	A lord who was given land in return for fighting for the King.				
2.4	churl	An ordinary person or 'free man' not a slave or a lord.				
2.5	St Bri ce's Day Massacre	The murder, ordered by the King, of thousands of Danish people living in England.				

4. Battle of Hastings.							
4.1	fyrd	The fyrd were ordinary men who were called up to fight for the king in times of danger.	bare L/D'REX: INTERFEC				
4.2	housecarl	Professional soldiers and members of the bodyguard of the English king.	TUSEST				
4.3	feint	A pretend movement to try and distract the enemy.	MRY TER				
4.4	ca valry	Soldiers who fight on horseback.					

Iron Age Britain	Roman Britain	Early Middle Ages	Middle Ages	Early Modern Period	Modern Period
 500 400 300 200 100 0 5th BC 4th BC 3rd BC 2nd BC 1st BC 	100 200 300 400 1 st 2 nd 3 rd 4 th	500 600 700 000 1000 5th 6th 7th 8th 9th 10 th 1	1100 1200 1300 1400 11 th 12 th 13 th 14 th 15 th	1500 1600 1700 180 16 th 17 th 18 th	0 1900 2000 2100 19 th 20 th 21 st
BC = Before Christ		AD = Anno Domini	i (The Year of Our Lord)		

Year 7 | Autumn Term 1

1. Hov	1. How did William control England?						
1.1	Feudal System	A political system in which landholders provide land to tenants in exchange for their loyalty and service.					
1.2	Domesday Book	A record of the "Great Survey" of much of England and parts of Wales completed in 1086 by order of WilliamI.					
1.3	vassal	A person regarded as having a mutual obligation to a lord or monarch.					
1.4	Baron	Baron is a rank of nobility Would often own land in return for serving the king.					

3. Wom	3. Women in Norman England.						
3.1	rebellious	showing a desire to resist authority.					
3.2	dowry	an amount of property or money brought by a bride to her husband on their marriage.					
3.3	betrothed	formal engagement to be married; engagement.					
3.4	nunnery	A building or group of buildings in which nuns live as a religious community.					

2. Life in Norman England- Towns			4. Life	in Norman Engla	nd-Villages	
2. 1	councillor	A member of a council who would normally run a town of city.	4.1	mill	Peasants had to pay to use it and it was illegal to grind your own corn.	
2. 2	artisan	A worker in a skilled trade, especially one that involves making things by hand.	4.2	villeins huts	Small but some space to grow vegetables or keep animals in the garden.	4.3 4.3
2. 3	apprentice	A person who is learning a trade from a skilled employer, having agreed to work for a fixed period at low wages	4.3	woodlan d	Only the lord can hunt in it.	4.5
			4.4	church	Centre of village life. Villeins have	
2. 4	labourer	A person doing unskilled manual work for wages.			to give 10% of everything they make to the priest.	4.2
2. 5	freeman	A peasant who is free and not a slave.	4.5	manor	Home of the lord. Villeins had to work for him for 3 days a week.	4 fo
2. 6	villein	A feudal tenant entirely subject to a lord to whom he paid rent and services in return for land.	4.6	open fields	Each villein had 1-2 strips of land to grow their own crops.	

Iron Age Britain	Roman Britain	Early Middle Ages	Middle Ages	Early Modern Period	Modern Period
 ✓ 500 400 300 200 100 0 5th BC 4th BC 3rd BC 2nd BC 1st BC 	100 200 300 400 1st 2nd 3rd 4th 1	500 600 700 800 900 1000 5th 6th 7th 8th 9th 10th 1	1100 1200 1300 1400 11 th 12 th 13 th 14 th 15 th	1500 1600 1700 180 16 th 17 th 18 th	00 1900 2000 2100 19th 20th 21st
BC = Before Christ		AD = Anno Domini	(The Year of Our Lord)		

Knowledge Builder: History

England before and after 1066

Year 7 | Autumn Term 1



What to know more about each of the contenders to the throne in 1066?

Maybe you would like more detail about the Battle of Stamford Bridge or Hastings? Then use this QR code to get access to BBC Teach 1066 playlist on YouTube.



Battle Abbey, the site of the Battle of Hastings



Buster Ancient Farm: Anglo-Saxon village

Books to read:

Winchester cathedral

Documentaries to watch:



Normality of the second s

What to know more about Aethelflæd and her role in creating England? Then watch this short clip from Historian Tom Holland.



Stretch	your voca bulary	
a.1	morale	The confidence, enthusiasm, and discipline of a person or group at a particular time.
a.2	provenance	A place, person, or thing from which something originates.
a.3	oath	A calling upon God to witness that one sincerely intends to do what one says.
a.4	contemporary	Living or occurring at the same time.
a.5	nobility	The people of the highest social rank in a society.
a.6	circa	Approximately.
a.7	tax	Money everyone contributes to the government to pay for the running of the country.
a.8	vassal	Someone who owns land in return for loyalty to their lord.
a.9	justice	The carrying out and maintaining of the law.
a.10	administration	The process or activity of running the country.
a.11	labour	Work, especially physical work.
a.12	monastery	A building or buildings occupied by a community of monks.
a.13	fief	An estate of land, especially one held on condition of feudal service
a.14	hierarchy	a system in which members of an organization or society are ranked according to relative status or authority.



Watch this BBC Teach clip for more information on Vikings and their impact on Britain.

Interested in learning about life in Anglo-Saxon England? Have a look at these YouTube clips on daily life for an Anglo-Saxon.



Daily life

Cooking



Knowledge Base: Italian

Cominciamo!

Year 7 | Autumn Term 1



Saluti - Basic greetings				
1.1	Ciao!	Hello!/Goodbye!		
1.2	Buongiorno!	Good morning!		
1.3	Buonasera!	Good evening!		
1.4	Buonanotte	Good night!		
1.5	Arrivederci!	Goodbye!		



Domand	le & Risposte	Key questions & answers
1.6	Come stai?	How are you?
1.7	Sto bene, grazie!	I am well, thank you!
1.8	Così così	So so
1.9	Sto male	l am not having a good day
2.0	Ho fame	l am hungry
2.1	Ho sete	l am thirsty
2.2	Sono stanco/a	I am tired
2.3	Quanti anni hai?	How old are you?
2.4	Ho anni	lam years old
2.5	Quando è il tuo compleanno?	When is your birthday?
2.6	Il mio compleanno è il	My birthday is on the

Giorni	della settimana	Days of the week
2.7	lunedì	Monday
2.8	martedì	Tuesday
2.9	mercoledì	Wednesday
3.0	giovedì	Thursday
3.1	venerdì	Friday
3.2	sabato	Saturday
3.3	domenica	Sunday
3.4	oggi è	today is
3.5	Il mio giorno preferito è	My favourite day is

Mesi		Months
3.6	gennaio	January
3.7	febbraio	February
3.8	marzo	March
3.9	aprile	April
4.0	maggio	May
4.1	giugno	June
4.2	luglio	July
4.3	agosto	August
4.4	settembre	September
4.5	ottobre	October
4.6	novembre	November
4.7	dicembre	December

Num	Numbers 1-30								
1	uno	16	sedici						
2	due	17	diciassette						
3	tre	18	diciotto						
4	quattro	19	diciannove						
5	cinque	20	venti						
6	sei	21	ventuno						
7	sette	22	ventidue						
8	otto	23	ventitre						
9	nove	24	ventiquattro						
10	dieci	25	venticinque						
11	undici	26	ventisei						
12	dodici	27	ventisette						
13	tredici	28	ventotto						
14	quattordici	29	ventinove						
15	quindici	30	trenta						

Classroom language							
4.8	Posso avere?	Can I have?					
4.9	Ho/ Non ho	I have / I don't have					
5.0	una penna	a pen					
5.1	un foglio	a piece of paper					
5.2	Come si dice in Italiano?	How do you say in Italian?					
5.3	Come si dice in Inglese?	How do you say in Inglese?					
5.4	Può ripetere, per favore?	Can you repeat, please?					

Knowledge Base: Italian

In Famiglia

Year 7 | Autumn Term 2



Colori		Colours
1.1	rosso	Red
1.2	blu	navy blue
1.3	verde	Green
1.4	bianco	White
1.5	arancione	Orange
1.6	rosa	pink
1.7	azzurro	mid blue
1.8	celeste	lightblue
1.9	giallo	yellow
2.0	nero	black
2.1	viola	purple

La mia	famiglia	My family				
2.4	mia madre	my mother				
2.5	mio padre	my father				
2.6	mio fratello	my brother				
2.7	mia sorella	my sister				
2.8	mio zio	my uncle				
2.9	mia zia	my auntie				
3.0	mio cugino	my cousin (male)				
3.1	mia cugina	my cousin (female)				
3.2	mio nonno	my grandpa				
3.3	mia nonna	My grandma				
3.4	si chiama	is called				
3.5	i miei fratelli	my brothers/my siblings				
3.6	le mie sorelle	my sisters				
3.7	si chiamano	are called				

Gli an	imali	Animals
3.8	un cane	A dog
3.9	un cavallo	A horse
4.0	un coniglio	A rabbit
4.1	un criceto	A hamster
4.2	un gatto	A cat
4.3	un pesce	a fish
4.4	un porcellino d'India	A guinea-pig
4.5	un serpente	A snake
4.6	un topo	A mouse
4.7	un uccello	A bird
4.8	una tartaruga	A turtle

II Nata	ale	Christmas
5.0	Buon Natale!	Merry Christmas!
5.1	Babbo Natale	Father Christmas
5.2	la vigilia di Natale	Christmas Eve
5.3	un regalo	a present
5.4	l'albero di Natale	The Christmas tree
5.5	il presepe	The nativity scene
5.6	Capodanno	New Year's Eve

Informazio	ni personali Pe	rsonal information	
2.2	ho gli occhi <u>azzurri</u> <u>marroni</u> <u>neri</u> <u>Verdi</u>	I have <u>blue</u> eyes <u>brown</u> <u>black</u> <u>green</u>	
2.3	ho i capelli biondi e corti castani lunghi neri lisci rossi ricci grigi ondula a spaz	I have blond and sh brown lo black str red cu grey w zzola sp	ort hair ng raight ırly avy piky

Knowledge Builder: Italian

Using Quizlet is a great way

Would you like to go through topic one in more detail? If you go to Student Resources Italian look for yr 7 and then yr 7 podcasts and listen to Podcast one and podcast two.

to learn vocabulary. Go onto Student Resources Italian yr 7 Quizlet extra Autumn 1 to find a quizlet set to challenge you even further in this unit

Family extra! Watch this video for more vocabulary to describe your family



Greetings extra! Watch this video for more help with saying how you

are

CULTURE extra! Christmas Watch this video to learn more about Italian Christmas traditions.





100 110 120

This topic is about the context and meaning of mathematics rather than learning new skills.

Please be ready to listen, consider and discuss in class. It would be helpful if you can recall these Key Stage 2 maths concepts as you

start secondary school Mental multiplication of whole numbers from 1 – 12

Square numbers and Cube numbers

Square Numbers	Cube Numbers		
1 ² = 1×1 = 1	1 ³ = 1×1×1 = 1		
$2^2 = 2 \times 2 = 4$	2 ³ = 2×2×2= 8		
3 ² = 3×3 = 9	3 ³ = 3×3×3 = 27		
$4^2 = 4 \times 4 = 16$	$4^3 = 4 \times 4 \times 4 = 64$		
5 ² = 5×5 = 25	5 ³ = 5×5×5 = 125		
$6^2 = 6 \times 6 = 36$	$6^3 = 6 \times 6 \times 6 = 216$		
$7^2 = 7 \times 7 = 49$	$7^3 = 7 \times 7 \times 7 = 343$		
8 ² = 8×8 = 64	8 ³ = 8×8×8 = 512		
9 ² = 9×9 = 81	9 ³ = 9×9×9 = 729		
$10^2 = 10 \times 10 = 100$	$10^3 = 10 \times 10 \times 10 = 1000$		



Link to Kings' Maths Resources



Year 7 Mathematics Curriculum Overview and Revision Support



Resources related to this topic



Topic 2: Mathematics in Context (Teacher B)



This module is about the context and meaning of mathematics rather than learning new skills. Please be ready to listen, consider and discuss in class.

It would be helpful if you can recall and learn these Key Stage 2 mathematical concepts as you start secondary school

- Equivalent fractions (opposite)
- Equivalent fractions, decimals and percentages (below)

Fraction	Decimal	Percent
¹ / ₁	1	100%
1/2	0.5	50%
1/3	0.333	33% approx
1/4	0.25	25%
¹ / ₅	0.2	20%
1/6	0.166	17% approx
1/7	0.142	14% approx
¹ / ₈	0.125	12.5%
1/9	0.111	11% approx.
¹ / ₁₀	0.1	10%

$\frac{1}{1}$													
	$\frac{1}{2}$ $\frac{1}{2}$												
	$\frac{1}{3}$	-					3					$\frac{1}{3}$	
-	1 4			$\frac{1}{4}$					$\frac{1}{4}$			4	<u> </u>
$\frac{1}{5}$	-		$\frac{1}{5}$	-	$\frac{1}{5}$ $\frac{1}{5}$					<u>1</u> 5			
<u> </u>		-	$\frac{1}{6}$		$\frac{1}{6}$	-		$\frac{1}{6}$	$\frac{1}{6}$ $\frac{1}{6}$		1 6		$\frac{1}{6}$
$\frac{1}{7}$		$\frac{1}{7}$		$\frac{1}{7}$	-	- - - -	<u>1</u> 7		$\frac{1}{7}$		$\frac{1}{7}$	-	$\frac{1}{7}$
$\frac{1}{8}$		<u>1</u> 8	_	$\frac{1}{8}$	_	$\frac{1}{8}$	_	$\frac{1}{8}$		<u>1</u> 8		<u>1</u> 8	$\frac{1}{8}$
$\frac{1}{9}$	 	<u>. </u>	$\frac{1}{9}$	_	1 9	 	<u> </u> Ə	_	<u>1</u> 9	$\frac{1}{9}$	-	$\frac{1}{9}$	$\frac{1}{9}$
$\frac{1}{10}$	$\frac{1}{10}$	-	$\frac{1}{10}$	$\frac{1}{10}$		1 10	$\frac{1}{10}$	<u>-</u>	$\frac{1}{10}$		$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$



Link to Kings' Maths Resources



Year 7 Mathematics Curriculum Overview and Revision Support



Resources related to this topic

Topic 3: Mathematics | Measures and Conversions

Year 7 | Autumn Term 1 | 2nd Half



By the end of this module you should be able to:-

- **Q** Read a scale on a measuring instrument
- Convert between metric units of length
- □ Know and convert between metric units of mass and capacity
- □ Convert between metric and imperial units
- Convert between units of time
- □ Recognise compound measures

Important things to remember:-

- 1) Kilo means 1000
- 2) Centi means 100th
- 3) Millimeans 1000th
- 4) Make sure you convert correctly. There is 100 cm in 1m so 3.2 m is 3.2 x 100 = 320 cm
- 5) Check if your answer is sensible. Your journey to school is NOT 500 km!



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Link to Kings' Maths Resources



Year 7 Mathematics Curriculum Overview and Revision Support



Links, Lessons and Practice Questions for this topic

Language	Meaning	Example	
Metric system	In the metric system, units of measurement are related by powers of 10	10mm = 1cm 100cm = 1m	
Length	How long something is	The length of a man's stride is about 1m	
Mass	How heavy something is 1kg		
Capacity	How much something holds	The typical capacity of a drinks can is 330ml	
Time	Time is measured in seconds, minutes and hours	1 minute = 60 seconds 1 hour = 60 minutes 1 day = 24 hours	
Metric unit	A unit of measurement from the metric system which is based on powers of 10	Centimetres, metres, kilometres, grams, kilograms, tonnes are examples of metric units	
ImperialTo replace a letter in an algebraicunitexpression with a number		Inches, feet, yards, miles, ounces, pounds, stone, tons are examples of imperial units	
Speed A measure of the weight at which distance is covered		The speed of sound travelling through air is roughly 343 m/s	



By the end of this module you should be able

to:-

- □ Write numbers in words and figures
- □ Arrange decimal numbers in order
- Multiply and divide by 10, 100, 1000
- Add and subtract positive and negative integers
- Multiply and divide positive and negative integers
- Use divisibility tests
- Recognise prime numbers
- Find the prime factor decomposition of a number
- Find the lowest common factor and highest common multiple of 2 numbers
- Recognise and use cube and square numbers, cube and square roots

Digit	A single figure within a number	0, 1, 2, 3, 4, 5, 6, 7, 8, 9 are all digits	
Placevalue	The value of a digit within a number	In 3.65 the 6 has a value of $\frac{6}{10}$	
Decimal point	The dot separating units from tenths	In 3.65, the decimal point separates 3 units from 6 tenths	
Integer	A whole number	7 is an integer but 7.5 is not	
Negative number	A number smaller than zero	-5 is a negative number	
Brackets	These tell you to do this part of the calculation first	10 - 5 - 3 = 2. But 10 - (5 - 3) = 10 - 2 = 8	
Multiple	A number which is part of a numbers times table	12 and 18 are both multiples of 6	
Factor	A number which exactly divides into another number	4 and 6 are both factors of 12	
Product Another word for multiplication		The product of 3 and 4 is 12	
Factor Tree	A method for finding the prime factor decomposition of a number		
Highest Common Factor	The biggest number which divides into both of two other numbers	6 is the highest common factor of 12 and 18	
Lowest Common Multiple	The smallest number which is in the times table of two other numbers	30 is the lowest common multiple of 5 and 6	
Square number Cube number	A number which is found by multiplying an integer by itself two or three times	9 = 3 x 3 = 3 ² (the square of 3) 27 = 3 x 3 x 3 = 3 ³ (the cube of 3)	
Square root Cube root	The opposite of a square number or cube number	$3 = \sqrt{9}$ Is the square root of 9 $3 = \sqrt[3]{27}$ is the cube root of 27	



Link to Kings' Maths Resources



Year 7 Mathematics Curriculum Overview and Revision Support



Links, Lessons and Practice Questions for this topic



Year 7 focuses on how Music uses *patterns, textures and structures.*

1. Elei	1. Elements of Music		
1.1	pitch	itchThe position of a single sound in the complete range of sound. High / low	
1.2	tempo	The pace of the music. Fast / Slow	
1.3	texture	Describes how layers of sound within a piece of music interact. Thick / thin	
1.4	timbreThe quality of tone distinctive to a particular voice or instrument. Example: bright, mellow		
1.5	dynamicsThe variation in loudness between notes or phrases. Loud / Soft (piano, forte, crescendo, diminuendo)		
1.6	1.6durationThe length of a note or series of notes. Long / Short		
1.7	silence	ce No noise. This can create tension in music.	
1.8	melody	A melody is a succession of pitches in rhythm.	
1.9	rhythm	A rhythm is a pattern of sounds of different lengths.	

2. Notes on the keyboard



ITEM	NOTE	REST	VALUE (number of beats)
Whole note/rest	o	-	4
Half note/rest	9		2
Quarter note/rest	•	ş	1
Eighth note/rest	Þ	۶	1/2
Sixteenth note/rest	A	7	1/4

4. Notes on the stave





Year 7 focuses on how Music uses *patterns, textures and structures.*

5. Sea	5. Sea Shanties – key vocabulary		
5.1	Shantyman	The "caller" or lead singer.	
5.2	call & Response	One person (the "Shantyman") sings a line which the group then respond to.	
5.3	harmony	When two or more singers in a sea shanty sing different pitches at the same time.	
5.4	ostinato	A repeated rhythmic pattern.	
5.5	unison	When a group of singers sing at the same pitch.	

6. Sea	Sea Shanties – year 7 focus – use of patterns, textures and structures		
6.1	patterns	Patterns used in sea shanties include: - rhyming patterns in lyrics (for example, lines 1, 2 & 3 rhyme in "Drunken Sailor"). - melodic patterns at different pitches (for example, the second line in "Drunken Sailor" is a repeat of the first line but at a lower pitch).	
6.2	textures	Textures used in sea shanties include: - call & response between the Shantyman and the crew. - percussive ostinato / ostinati (plural). - staggered entries of parts.	
6.3	structures	Structural elements of sea shanties to understand include: - use of an introduction & outro. - verses & choruses have 4 lines each.	

7. Sea Shanties – Halyard and Capstan Shanties			
7.1	halyard	A shanty sung to coordinate hauling of ropes.	
7.2	capstan	A shanty sung when a capstan - a type of winch – was used to raise the anchor.	

8. Sea	8. Sea Shanties				
8.1	What is a sea shanty?	Sea Shanties are work songs of sailors on board ships out at sea.			
8.2	What musical styles influenced early shanties?	Early shanties were influenced by British folk music and the African American work songs.			
8.3	Some sea shanties are ' <i>a capella',</i> but others used instruments – which ones?	If instruments are used, the most common ones are the fiddle, tin whistle, mandolin or squeezebox.			
8.4	What was the <i>purpose</i> of a sea shanty?	Shanties could help keep time among groups of sailors, coordinate physical movements like hauling ropes and raising sails, and relieve the boredom of long, repetitive tasks.			
8.5	What are the origins of the word "shanty" when it emerged in the 1800s?	One often proposed origin is that it came from the French word 'chanter', meaning to sing.			
8.6	What sparked the decline in the singing of sea shanties?	The switch to steam-powered ships and the use of machines for shipboard tasks, by the end of the 19th century, meant that shanties gradually ceased to serve a practical function.			







Year 7 focuses on how Music uses *patterns, textures and structures.*

10. Mu	isic of Africa – key vocabulary		
10.1	polyrhythm	Many rhythms performed at the same time.	
10.2	djembe	A type of West African drum.	
10.3	pulse A steady beat.		
10.4	unison All playing the same thing (rhythm) at the same time		
10.5	membranophones	An instrument in which the sound is produced by a stretched membrane, such as a drum.	
10.6	idiophones	An instrument from which the sound is produced by hitting, shaking or scraping.	
10.7	cordophones	An instrument from which the sound is produced by bowing or plucking a string.	
10.8	aerophones	An instrument from which the sound is produced by blowing air in or across a mouthpiece.	

12. Music of Africa – drumming techniques – *slap, tone* & *bass.*



13. Mus	3. Music of Africa – year 7 focus – use of patterns, textures and structures		
13.1	patterns	Repetition and cyclic rhythms used to organise music. A repeated pattern (ostinato) is used as a basis for improvisation to "hold the piece together".	
13.2	textures	Staggered entries, polyrhythms. Drum ensembles have 3-5 players each with a distinctive method of striking their drum and playing interlocking rhythms, creating thick textures.	
13.3	structures	Introduction, followed by an 8-bar section in your polyrhythmic composition.	

11. Mu	sic of Africa		
11.1	Where does African drumming traditionally come from?	Sub-Saharan Africa	
11.2 Why did it originate?		Drumming is traditionally used to communicate over long distances (for example, to warn of potential dangers, such as dangerous animals nearby)	
11.3	What events are celebrated using these drums?	To celebrate marriages, welcome visitors, and also also played at funerals.	
11.4	Is drumming accompanied by anything?	Drumming is sometimes accompanied by singing.	
11.5	How is it learned?	It is learned through aural tradition — it is not written down, but passed down through generations.	



Knowledge Builder: Music

UNIT 1: Sea Shanties & UNIT 2: Music of Africa

Year 7 | Autumn Term





Listen



SEA SHANTIES

Read

A copy of this book can be found in the library.



Watch

Watch this documentary by Gareth Malone about sea shanties.



Further listening to a

variety of sea shanties.



Use the QR codes above to hear more sea shanties, locate this book by the composer of the 'Wellerman' Nathan Evans about his favourite shanties in the school library, or watch a documentary about the history of Sea Shanties.



TASK: Using the OneNote recording of your Sea Shanty, try to compose a harmony line over the chorus melody.

Watch

A video recapping Djembe technique.



Djembe.

WEST AFRICAN DRUMMING

Read



TASK: Can you compose a polyrhythm using more complex notation such as dotted rhythms, triplets and semiquavers?

You can use the website linked here to recap your knowledge of note values.

A link to a great website about the history of the





Listen to traditional African music.



Listen

Respectful Relationships

٠

What does a healthy friendship/relationship look like?

Takes effort and compromise.No imbalance of power.

• Share decisions.

Respect each other's independence,

smiling, agreeing ' to encourage them to continue.

What does good listening look like?

How can I resist pressure?

• Involves honesty, trust, respect and open communication.

• Making your own decisions without fear of retribution or retaliation,

Active listening involves listening with all senses. It is important that you are 'seen' to be listening, through eye contact, nodding your head and

Year 7 | Autumn Term 1

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1. Friendship			
1.1 respect When you take into account other people's feeling wishes and rights.		When you take into account other people's feelings, wis hes and rights.	2.
1.2 boundaries Guidelines, rules and limits a person has to make them feel safe.			
1.3privacyOwners hip of personal space and keeping feelings or thoughts to yourself.			
1.4	1.4 consent Asking for and giving permission freely.		2.
1.5	1.5conflictDisagreement between two people or groups of people.		
1.6	1.6 reconciliation Working through issues to become friends again.		
1.7	7peer pressureThe pressure to behave in a certain way because friends or people in a group expect it.		2.

3. Bul	llying			Listen to your gut, plan for possible situations, arrange a 'bail-out' code with your parents/trusted adult, learn to feel comfortable saying 'no', blame your parents for not letting you do something, if the situation is
3.1	bullying	Be haviour by a n individual or group, usually repeated over time, that intentionally hurts another		dangerous – contact an adult.
		individual or group, either physically or emotionally.	4. Bullying issues and questions	
3.2	bullying behaviours	Be haviour that is intended to hurt someone in some way.	4.1	What should I do if I see someone, or know someone is being bullied?
3.3	cyber-bullying	These are any form of bullying that involves the use of mobile phones or the internet.		If it is in school you should report it straight away to your tutor or HOY. You might be asked to write a statement of what you saw/heard. Or tell a
3.4	verbal bullying	Calling names, teasing, insulting appearance or religion for example.		trusted a dult outside of school who you know will act on your behalf.
			4.2	Is it true that if I report someone is bullying me it will get worse or
3.5	physical bullying	Hitting, kicking, punching, pulling hair etc.		nothing will be done about it?
3.6	e motional bullying	Makingsomeone feelupset, worried, scared or lonely on purpose.		No. The evidence shows that most bullying stops once it has been reported, and if it carries on, the consequences for the bully are more severe.
3.7	b ys ta nd er	Some one who sees bullying happening but does not	4.3	Who makes up my personal network?
				Close friends, parents/guardian, family relation egauntie, close adult family friend, tutor, teacher, HOY, police, Child line.



childline



Friendship quiz



Watch or read?



What is religious belief?

3.1

3.2

census

Christianity

Year 7 | Autumn Term 1st Half

The census is a survey that happens every 10 years and gives us a picture of all the people and households in England and Wales and aspects of their life such as religion.

1. W	1. What is religious studies?			
1.1	belief	A feeling that something is true with no proof.		
1.2	religion	The belief in and worship of a superhuman controlling power, especially a personal God or gods. A particular system of faith and worship.		
1.3	Theological lens	Looking at beliefs: what they are, where they have come from and how they have changed.		
1.4Philosophical lensLooking at the nation1.5Sociological lensLooking at the way they can have on it		Looking at the nature of reality, existence and knowledge.		
		Looking at the way that religion and beliefs are lived and the impact they can have on individuals, communities and societies.		
1.6	The Blind Men and the Elephant	The story of the blind men and an elephant comes from India. It is story a bout a range of truths based on limited knowledge and failing to see the whole picture.		

2. W	2. Where does belief come from?			
2.1	Lion Man	He is the oldest known representation of a being that does not exist in physica form but symbolises ideas a bout the supernatural.		
2.2	2.2 prehistoric A time before written records.			
2.3	story	An account of imaginary or real people and events told for entertainment.		
2.4 Joan Didion An American writer. "We tell ourselves stories in order to live":		An American writer. "We tell ourselves stories in order to live":		
2.5	Emile Durkheim	Known as the father of sociology. "Without our stories we no longer exist."		

			God the Father, Son and Holy Spirit.
	3.3	Judaism	 Jews believe in one God. Jews have a special agreement with God called a covenant.
	3.4	Islam	 Muslims believe in one God called Allah. Allah sent Angel Jibril to speak Allah's message to Prophet Muhammad.
t	3.5	Hinduism	 Hindus believe in one God called Brahman: the supreme force present in all things. Hindus worship many gods and goddesses in addition to Brahman. Brahma, Vishnu, Shiva, Ganesha.
ıg	3.6	Sikhism	 Sikhs believe in one God called Waheguru. Waheguru means 'Wonderful Lord' or 'Wonderful Teacher'. Sikhs believe in the equality of mankind.
vsical	3.7	Buddhism	 Buddhists believe in the teachings of the Buddha. Dukkah: life is painful and full of suffering. Enlightenment leads to Nivana and ends the cycle of rebirth.
	3.8	secular	Not connected with spiritual or religious matters - i.e non-religious.
	3.9	multicultural	The presence of several distinct cultural or ethnic groups within a society.
		•	· · · ·
	5. H	ow is beliefsh	own in action?
"	5.1	Gandhi	Gandhi was a committed Hindu who wanted India to rule itself. Gandhi believed in peaceful actions with no violence. He was successful and India became independent.

Christians believe in one God.God is shown through the Holy Trinity.

4. Wł	4. What is a religion?				
4.1	Ninian Smart	He defined religion by looking at 7 dimensions: narrative /mythological, doctrinal, ethical, institutional, material, ritual and experiential.			
4.2	Humanism	Humanists do not believe in a god. They believe it is possible to live a good and fulfilling life without following a traditional religion. They value traits like reason and rely on science to explain the way things are.			
4.3	atheism	People who are atheist are described as people who do not need religious explanations or the promise of an afterlife to see value in the human experience. They do not believe in a God or gods.			
4.4	agnostic	Someone who holds the view that it is impossible to know the truth a bout some things, such as God's existence or the afterlife.			

6. How	6. How is a world view formed?			
6.1	worldview	A worldview is a collection of attitudes, values, stories and expectations about the world around us, which inform our every thought and action.		

How did we get here? Can the biblical accounts of creation be true?

1. W	1. What are the biblical accounts of creation?				
1.1	creation	The action of bringing something into existence.			
1.2	Bible	The book of sacred writings accepted as coming from God.			
1.3	Genesis	The first book in the Bible which describes how God created the universe.			
1.4	God	The supernatural being that caused, controls, commanded and sustains creation, which is seen as being "good".			
1.4	Genesis Chapter 1	 The first creation story Written as a poem God created the universe in a specific order over 6 days and rested on the 7^{th.} Thought to have been written during the 7/6 centuries BCE. 			
1.5	Genesis Chapter 2	 The second creation story written in the Bible, Older than the first, probably written in the 8th century BCE. I A narrative story that shows God interacting with creation. It has a different order of creation, with man being created and crafted first. 			

3. Wh	3. What are the scientific theories of creation?				
3.1	Big Bang theory	 14 billion years ago, matter expanded rapidly. Stars, galaxies and planets formed. 4.6 billion years ago Earth was formed. The theory putforward in the 1920s and is still our best understanding of how the universe came to exist. 			
3.2	Charles Darwin	 In 1859 Charles Darwin published On the Origin of Species. Based on his studies of creatures he had encountered on his travels the Galapagos Islands. 			
3.3	The theory of evolution	 All living creatures that exist including human beings, have evolved from primitive life forms over a period of millions of years. Evolution happens by natural selection - survival of the fittest. 			

2. WI	2. What responsibilities were given to man?			
2.1	s te wardship	Taking care of something on behalf of someone else. In the case of creation God gives mankind the responsibility of looking after His creation.		
2.2	interpretation	An explanation or opinion of what something means.		
2.3	literal interpretation	 The belief that the Bible is the a ctual word of God. Genesis 1 and 2 are true and accurate descriptions of how the world was created. Literalists reject s cientific theories. 		
2.4	liberal interpretation	The belief that the Bible can be interpreted metaphorically. Liberalists accept that the Bible will have contradictions as it was written by humans and so is imperfect. Liberalists will accept scientific theories about the origins of the universe.		

4. Can science and religion agree about creation?		
4.1	Albert Einstein	 Einstein was a scientist. He wrote, "Science without religion is lame, religion without science is blind." This quote is used to show how religion and science can be compatible and have mutual interdependence.

2. Bible verses				
2.1	"So God created mankind in his own image." (Genesis 1:27)	 Mankind was created differently from the rest of creation Man is given responsibilities to "rule over the land". 		
2.2	"Then the LORD God formed a man from the dust of the ground and breathed into his nostrils the breath of life." Genesis 2:7)	 Mankind was created through the breath of God. Man is given responsibility to name the animals and "to take care" over creation. 		



What is religious belief?

Knowledge Builder: How did we gethere?

Youtube



The Blind Men and the Elephant Youtube



2011 Census on religion Office for National Statistics





The life of Gandhi Youtube



Genesis 1 Creation Story





Genesis 2 Creation Story Youtube

Different interpretations of creation BBC Bitesize



Creation BBC Bitesize



About the world religions 3BCBitesize



Gandhi - Ghana statue Youtube



Differences between the Biblical creation stories Youtube

1. Solids, Liquids and Gases				
1.1	What are the three states of matter?	Solids, liquids, gases		
1.2	Which state of matter has a fixed shape and volume?	Solid		
1.3	Which states of matter can flow?	Liquid and gas		
1.4	Which state of matter flows to fit the shape of the container?	Liquid		
1.5	Which state of matter expands to fill the volume of their container?	Gas		
1.6	Which state of matter has a fixed volume but not a fixed shape?	Liquid		
1.7	Which states of matter cannot be compressed?	Solid and liquid		
1.8	Which state of matter can be compressed?	Gas		

2. Partio	2. Particle Model	
2.13	Draw a particle model for a solid, liquid and gas	



solid



liquid

gas

2. Partic	e Model	
2.1 What is a particle?		An incredibly tiny part of matter
2.2	What holds the particles in a solid together?	Strong forces of attraction
2.3	How would you describe the arrangement of particles in a solid?	Particles are touching in a regular arrangement
2.4	How would you describe the movement of particles in a solid?	They vibrate about fixed positions
2.5	Why can't solids flow?	The forces of attraction between the particles is too strong
2.6	How would you describe the arrangement of particles in a liquid?	Particles are touching in an irregular arrangement
2.7	How would you describe the movement of particles in a liquid?	Particles are not held in fixed positions and can move around each other
2.8	How would you describe the arrangement of particles in a gas?	Particles are widely spaced apart and are randomly arranged
2.9	How would you describe the movement of particles in a gas?	Particles move quickly in straight lines and in random directions
2.10	Why can liquids and gases flow?	The forces of attraction between the particles is weak
2.11	Why do gases not have a fixed volume?	Particles move quickly and collide with the walls of the container
2.12	Which state of matter has the highest density?	Solid
2.13	Which state of matter has the lowest density?	Liquid

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3. Cha	3. Changes of State				
3.1	How can you change the state of a substance?	By heating or cooling it			
3.2	Are changes of state reversible or irreversible changes?	Reversible			
3.3	Name the changes of state that occur in substances when they are heated and cooled				



3.7	What effect will heating have on the arrangement of particles in a substance?	Particles gain energy, move more and overcome the forces of attraction
3.8	What effect will cooling have on the arrangement of particles in a substance?	Particles lose energy, move less and the forces of attraction become stronger

4. Melting and Boiling Points				
4.1	What is meant by the melting point of a substance?	The temperature a substance changes from a solid to a liquid (or liquid to a solid)		
4.2	What is meant by the boiling point of a substance?	The temperature a substance changes from a liquid to a gas (or gas to a liquid)		
4.3	What is the melting point of water?	0°C		
4.4	What is the boiling point of water?	100°C		
4.5	What temperature is room temperature?	20°C to 25°C		

5. Diffu	5. Diffusion			
5.1	What is diffusion?	The movement of particles from an area of high concentration to an area of low concentration until they are evenly spread out		
5.2	In which states of matter can diffusion occur? Why?	Liquids and gases, because the particles are able to move around each other		
5.3	In which state of matter will diffusion occur the fastest?	Gas		
5.4	Draw a diagram to show the diffusion of a substance in a gas			





Before diffusion

After diffusion



1. Energy and Energy Stores		2. Conservation of Energy				
1.1	What is energy?	The ability to do work	2.1	What store of energy decreases when a ball is dropped from above the ground?	Gravitational	
1.2	Energy is conserved. What does this mean?	Energy can be stored or transferred but	2.2	What store of energy increases when a ball is dropped from above the ground?	Kinetic	
		cannot be created or destroyed	2.3	What stores of energy are changing when a rollercoaster rolls down the track?	Gravitational decreases, kinetic increases	
1.3	What is energy measured in?	Joules (J)	2.4	What stores of energy are changing when a	Chemical decreases, kinetic increases	
1.4	Give five examples of energy stores	Kinetic, chemical,		remote-controlled car starts moving?		
		thermal, elastic, gravitational	2.5	What is meant by dissipated energy?	When energy is transferred to a non- useful store (wasted energy)	
1.5	What store of energy would an object have if it was moving?	Kinetic	2.6	In most cases what is the cause of dissipated energy?	Friction	
1.6	What store of energy does a fuel have?	Chemical	Ĭ			
1.7	What store of energy increases with	Thermal	3. Ener	3. Energy Transfers		
	temperature?		3.1	Name four ways energy can be transferred	Electrically, mechanically, by heating and	
1.8	What store of energy would a stretched	Elastic			by radiation	
	or extended object have?		3.2	What type of energy transfer involves charge flowing through a circuit?	Electrical	
1.9	What store of energy would an object have when it is raised above the ground?	Gravitational	3.3	What type of energy transfer involves forces	Mechanical	
1.10	Give an example of an object with a	A moving car		acting on the object?		
	kinetic store of energy		3.4	What type of energy transfer involves	Heating	
1.11	Give two examples of objects with chemical stores of energy	Batteries, food		a cooler object?		
1.12	Give an example of an object with a large thermal store of energy	A cup of tea	3.5	What type of energy transfer involves waves (e.g. sound or light)?	Radiation	
1.13	Give two examples of objects with	A stretched elastic	3.6 Draw an energy transfer diagram for battery-power		owered toy train	
	elastic stores of energy	band, a squashed football	electrical transfer		insfer	
1.14	Give an example of an object with a gravitational store of energy	A box on a high shelf				

7.2 Energy

4.6

Year 7 | Autumn Term 1

4 and 5.	4 and 5. Food as a Store of Energy					
4.1	What store of energy is in food?	Chemical				
4.2	When we eat food energy is transferred to what stores?	Thermal and kinetic stores				
4.3	How many joules are in one kilojoule (1kJ)?	1000J				
4.4	Which types of food have the greatest store of energy?	Fatty foods				
4.5	When food is burnt there is a transfer of energy between which stores?	Chemical to thermal				

nd 5. Food as a Store of Energy

Draw a labelled diagram showing how you could compare the energy content in different crisps



6. Temperature		7. Cond	7. Conduction			
6.1	What is the unit for temperature?	Degrees Celsius °C	7.1	What type of energy transfer is	Heating transfer	
6.2	How can temperature be measured?	With a thermometer		conduction?		
6.3	What is meant by temperature of a substance?	The average energy of the particles in the substance	7.2	In which state of matter does conduction occur?	Solid	
6.4	What effect will increasing	Particles will gain energy and	7.3	Why can conduction not occur in liquids and gases?	The particles are not arranged close enough together	
	temperature have on the movement of particles in a solid?	vibratemore	7.4	During conduction, how is energy	- Energy is transferred to the kinetic store of the particles	
6.5	What effect will increasing temperature have on the movement of particles in a liquid or a gas?	Particles will gain energy and move more				 The particles vibrate more The vibrations cause nearby particles to vibrate
6.6	Why does a cup of tea left on the side	Energy is transferred from the			vibrations	
		hot cup of tea to the cool surroundings until they reach the same temperature	7.5	Name a material that is a good thermal conductor	Metal	
6.7	What is meant by thermal equilibrium?	When there is no transfer of energy by heating between	7.6	Name a material that is a poor thermal conductor	Plastic or glass	
		objects because they are at the same temperature	7.7	What do you call a material which is a poor thermal conductor?	An insulator	

1. Diss	1. Dissolving and Solutions				
1.1	Is dissolving a physical or chemical change?	A physical change			
1.2	What is a solute?	The substance that dissolves to make the solution			
1.3	What is a solvent?	The substance dissolving the solute			
1.4	What is a solution?	A mixture of a solute that has been dissolved by a solvent			
1.5	What happens to particles during dissolving?	 Particles of the solvent collide with particles of the solute, surrounding them Particles of the solute gradually move away from each other Until the particles are evenly spread through the solvent. 			
1.6	What happens to the mass of solvent and solute during dissolving?	The mass of the solvent and solute before and after dissolving stays constant			
1.7	What happens to the volume of the solvent during dissolving and why?	The volume of the solvent remains constant. Because the solute particles fit into gaps between the solvent particles.			
1.8	What is meant by a soluble substance?	A substance which is able to dissolve			
1.9	What is meant by an insoluble substance?	A substance which is unable to dissolve			
1.10	Draw a particle diagram to show dissolving				

2. Co	2. Concentration			
2.1	What is meant by the concentration of a solution?	The mass of solute dissolved in 1000cm ³ of solvent		
2.2	What are the units for concentration?	g/cm ³		
2.3	What is the difference between a concentrated and dilute solution?In a concentrated solution, there are more particles of solute per 1000cm³ than in a dilute solution			
2.4	Draw a particle diagram to show a concentrated solution and a dilute solution			



3. So	3. Solubility and Saturation						
3.1	What is solubility a measure of?	How much solute can dissolve in a volume of solvent at a specific temperature					
3.2	What effect will increasing temperature have on the solubility of a solute?	The solubility will normally increase					
3.3	What is meant by a saturated solution?	A solution in which no more solute can dissolve					
3.4	What causes a solution to become saturated?	When all the spaces between the solvent particles are occupied					





4. Filt	ration and Crystallisation		6. Chromatography			
4.1	What is a mixture?	A substance containing different substances that are not chemically joined	6.1	What is the purpose of chromatography?	A method to separate mixtures of soluble substances	
4.2	How could you separate an insoluble solid from a liquid?	Filtration	6.2	What examples of substances can be separated using chromatography?	Food colourings, inks, dyes or plant pigments.	
4.3	What equipment would you need to carry out filtration?	Filter paper, filter funnel, conical flask	6.3	What is a chromatogram used for?	To identify the soluble substances in a mixture	
4.4	What is the solid left behind in the filter paper called?	Residue		In chromatography, what is the	To act as the solvent	
4.5	What is the name of the	Filtrate		purpose of the water?		
	liquid collected after filtration has taken place?		6.4	What causes different soluble substances to move different	Due to differences in their solubility (their ability to dissolve).	
4.6	How do we separate a soluble solid from a solution?	Evaporation		distances during chromatography?	The further the distance, the greater the solubility.	
4.7	What equipment would you need to carry out the evaporation process?	Evaporating basin, Bunsen burner, tripod	6.7	Why do we draw the start line on a chromatogram in pencil?	The pencil line is insoluble in water	
4.8	What is crystallisation?	The process of producing crystals from a solution by evaporating the solvent	6.8	Draw a diagram to show chromato	graphy	

5. Distillation					
5.1	What process would you use to separate a solvent from a solution?	Distillation			
5.2	How is distillation carried out?	The solution is heated, causing the solvent to evaporate and turn into a gas. The gas is cooled and condenses back into a liquid which is collected.			
5.3	What equipment is used for distillation?	Round bottomed flask, Bunsen burner and Liebig condenser			
5.7	What is left in the round bottomed flask after distillation?	The solute			



Knowledge Base: Science

7.4 Cells



1. Observing Cells			2 and	2 and 3. Observing Cells		5. Pl	5. Plant Cells		
1.1	What is a cell?	The smallest unit of life and the building blocks for all organisms.	2.1	What is the purpose droppingiodine or methyl blue on top o the cells on a slide?	of To stain the cells	5.1	Name four structures found in both animal and plant cells	Nucleus, cell membrane, cytoplasmand mitochondria	
1.2	Why are microscopes needed to see cells?	Because cells are very small	4. An	imal Cells		5.2	Name three	Cell wall, vacuole,	
1.3	Label the parts of a mich	oscope	4.1 Draw and label an animal cell			structures that are found in plant cells and not animal cells	chloroplasts		
		Objective lenses		cell membrane	cytoplasm	5.3	What is the function of the cell wall?	To strengthen the cell and provide support	
	Coarse focus → O	Stage				5.4	What is found in the vacuole of a plant cell?	Cell sap	
	Fine focus	Light Base	1,	nucleus / m	iltochondrion	5.5	What is the function of the vacuole?	To keep the cell firm	
1.4	How would you find the total magnification of a light microscope?	Multiply the eyepiece lens magnification by the objective lens magnification	4.2	What is the function of the nucleus?	To control the cell and to store genetic information	5.6	What is the function of chloroplasts?	The site of photosynthesis which allows plants to make	
1.5	Where should you place	a On the stage	4.3	What is the function of the	To be the site of most chemical reactions in the cell			sunlight	
1.6	Which objective lens	The lowest power		cytoplasm?		5.7	Draw and label a plar	nt cel l	
1.0	should you begin with when using a microscop	objective lens	4.4	What is the function of the	To act as a barrier around the cell and to control what	chlorop	last	vacuole cytoplasm	
1.7	How can you adjust the position of the stage on a	By turning the coarse focus dial		cell membrane?	comes in and out of the cell				
1.8	How can you bring the object on the slide into better focus?	By turning the fine focus dial	4.5	what is the function of the mitochondria?	The site of a chemical reaction called respiration which transfers energy for the organism	nucle		mitochondrion	





1. Force	es and their Effects		1. Fo	rces and their Effects
1.1	What is a force?	A push or a pull	1.18	Draw a free body diagram to show the forces acting on a
1.2	What is the unit of forces?	Newton (N)		book on a table
1.3	Which scientific instrument is used to measure forces?	Newtonmeters]	normal contact force
1.4	When a force acts on an object it can cause the object to change in what ways?	Speed, direction or shape		weight
1.5	What is a contact force?	Forces acting when two objects are touching]	•
1.6	What is a non-contact force?	Forces acting when objects aren't touching	1.19	Draw a free body diagram to show a skier skiing down a hill (from top left of the page to bottom left of the page)
1.7	Name five contact forces.	Friction, air resistance, upthrust, normal contact force, driving forces]	
1.8	Name two non-contact forces	Gravity, magnetism]	normal contact force
1.9	What is the name of the force that resists motion due to two interlocking surfaces?	Friction]	friction and air resistance
1.10	What is the name of the force that exists when objects collide with air particles?	Air resistance		
1.11	What is the name of the force that exists which causes an object in a liquid or gas to be pushed up?	Upthrust	1.20	Draw a free body diagram to show a boat accelerating
1.12	What is the name of the force that acts at right angles to the surface that an object is touching?	Normal contact force		(getting faster and faster)
1.13	What is the name of the force that causes an object to move in a set direction?	Drivingforce		1
1.14	What is the name of the attractive force that acts between two masses?	Gravity		upthrust
1.15	What is weight?	A force that acts on an object due to gravity	1	air resistance
1.16	What is the name of the force that acts between magnets?	Magnetic force]	<pre> driving force weight</pre>
1.17	What does the arrowin a force diagram represent?	Size and direction of a force		Ļ



2. W	ork Done	4. Stretching and Squashing			
2.1	What is work done?	A measure of how much energy is transferred from one store to another		What is deformation?	When a force causes an object to change
2.2	When is work done?	When a force moves an object over a distance against a resistive force (e.g. gravity or friction)			snape
				Name two ways objects	Objects can be
2.3	Why is lifting a box off the ground an example of	A force is used to move the box a vertical distance		can be deformed	stretched or squashed
	work done?	against the force of gravity		What causes	Squashing an object
2.4	Why is sliding a heavy book across the table an	A force is used to move the book a borizontal distance		compression?	
	example of work done?	against the force of friction	4.4	What causes tension?	Stretching an object
2.5	What is the unit for work done?	Joules (J)			
2.6	If 1J of work is done, what does this mean?	A force of 1N causes a movement of 1m			
2.7	What is the equation to calculate work done?	Work done = force x distance (W=F d)			
2.8	How many metres are in 1km?	1000m			
2.9	How many cm are in 1m?	100cm			

3. Ba	3. Balanced and Unbalanced Forces						
3.1	What is meant by a balanced pair of forces?	When forces acting on an object are the same size but in opposite directions					
3.2	What does stationary mean?	An object that is not moving					
3.3	If an object is stationary, are the forces acting on the object balanced or unbalanced?	Balanced (they are in equilibrium)					
3.4	If an object is travelling at constant speed, are the forces acting on the object balanced or unbalanced?	Balanced (they are in equilibrium)					
3.5	If the forces on an object are unbalanced, what will happen to the object?	It will accelerate (get faster and faster) or decelerate (get slower and slower)					
3.6	What is a resultant force?	The overall force acting on an object which has the same effect as all the forces combined.					
3.7	If more than one force is acting on an object in the same direction, how do you find the resultant force?	By adding the forces together					
3.8	If there are forces acting on an object in opposite directions, how do you find the resultant force?	By finding the difference between the size of the forces					

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5. Sp	rings		7. Fri	ction		
5.1	What is meant by the extension of an object?	A measure of how much an object stretches when a force is applied	7.1	What effect will the force of friction have on the motion of	It will slow it down	
5.2	How can you calculate the extension of an object?	Extension = stretched length - original length	7.2	What is the cause of friction?	When two surfaces interlock, the more the	
5.3	What is meant by elastic deformation?	When an object is stretched but can return to it's original length/shape	7.3	Give one way friction can be	Stops you slipping when you walk	
5.4	Give an example of an object that can elastically deform	A spring	7.4	useful What effect does friction have	It causes the surfaces to heat up and increase in	
5.5	Name the two forces acting on a	Weight acting downwards		on the temperature of the surfaces in contact?	temperature	
	the end of the spring		7.5	At the end of a drive why do the tyres of the car feel warm?	Friction between the moving tyre and the road cause an energy transfer to the thermal store of	
6. Ex	tension of a Spring				the tyres	
6.1	What effect does increasing the force applied to a spring have on	Increases the extension of the spring	7.6	How can friction be reduced?	By using lubrication (e.g. oil)	
	the extension of the spring?		8. Dr	ag Forces		
6.2	the extension of the spring? If the force applied to a spring is doubled, what effect will this have on the extension of the spring?	The extension will also double	8. Dr 8.1	ag Forces Name two examples of drag forces	Air resistance and water resistance	
6.2	the extension of the spring? If the force applied to a spring is doubled, what effect will this have on the extension of the spring? Draw a sketch graph to show the rel-	The extension will also double ationship between force and extension of	8. Dr 8.1 8.2	ag Forces Name two examples of drag forces What causes drag forces?	Air resistance and water resistance Particles in the air and water resisting motion	
6.2	the extension of the spring? If the force applied to a spring is doubled, what effect will this have on the extension of the spring? Draw a sketch graph to show the rel- a spring	The extension will also double ationship between force and extension of	8. Dr 8.1 8.2 8.3	Name two examples of drag forces What causes drag forces? In what direction do drag forces act?	Air resistance and water resistance Particles in the air and water resisting motion In the opposite direction to motion	
6.2	the extension of the spring? If the force applied to a spring is doubled, what effect will this have on the extension of the spring? Draw a sketch graph to show the rel- a spring	The extension will also double ationship between force and extension of	8. Dr 8.1 8.2 8.3 8.4	ag ForcesName two examples of drag forcesWhat causes dragforces?In what direction do drag forces act?Why do drag forces slow objects down?	Air resistance and water resistance Particles in the air and water resisting motion In the opposite direction to motion The particles in the air or water come into contact with the object and exert a force in the opposite direction to its motion	
6.2	the extension of the spring? If the force applied to a spring is doubled, what effect will this have on the extension of the spring? Draw a sketch graph to show the rel- a spring	The extension will also double ationship between force and extension of	8. Dr 8.1 8.2 8.3 8.4 8.5	ag ForcesName two examples of drag forcesWhat causes drag forces?In what direction do drag forces act?Why do drag forces slow objects down?How can drag forces be reduced?	Air resistance and water resistanceParticles in the air and water resisting motionIn the opposite direction to motionThe particles in the air or water come into contact with the object and exert a force in the opposite direction to its motionThrough streamlining	

Mi vida

Year 7 | Autumn Term 1



Saludo	os	Basic greetings
1.1	jHola!	Hello!
1.2	Buenos dias	Good morning!
1.3	Buenas tardes	Good evening!
1.4	Buenas noches	Good night!
1.5	¡Adios!	Goodbye!

Pregunt answers	as y respuestas s	Key questions &
1.6	¿Qué tal?	How are you?
1.7	Bien, gracias	I am well, thank you!
1.8	Regular	So so
1.9	Fatal	Awful
1.10	¿Cómo te llamas?	What is your name?
1.11	Me llamo	My name is
1.12	Dónde vives?	Where do you live?
1.13	Vivo en	llivein
1.14	¿Cuántos años tienes?	How old are you?
1.15	Tengoaños	I am years old
1.16	¿Cuándo es tu cumpleaños?	When is your birthday?
1.17	Mi cumpleaños es el	My birthday is on the

Anima	les	Pets
1.17	Tengo	I have
1.18	Una cobaya	A guinea pig
1.19	Un conejo	A rabbit
1.20	Un gato	A cat
1.21	Un perro	A dog
1.22	Un pez	A fish
1.23	Un ratón	A mouse
1.24	Una serpiente	A snake
1.25	No tengo mascotas	I don't have pets

Meses	Months	
1.26	Enero	January
1.27	Febrero	February
1.28	Marzo	March
1.29	Abril	April
1.30	Мауо	May
1.31	Junio	June
1.32	Julio	July
1.33	Agosto	August
1.34	Septiembre	September
1.35	octubre	October
1.36	noviembre	November
1.37	diciembre	December

Los n	umeros		Numbers
1	uno	16	dieciseis
2	dos	17	diecisiete
3	tres	18	dieciocho
4	cuatro	19	diecinueve
5	cinco	20	veinte
6	seis	21	veintiuno
7	siete	22	veintidos
8	ocho	23	veintitres
9	nueve	24	veinticuatro
10	diez	25	Veinticinco
11	once	26	veintiseis
12	doce	27	veintisiete
13	trece	28	veintiocho
14	catorce	29	veintinueve
15	quince	30	treinta

Herman	IOS	Siblings
1.38	Una hermana	A sister
1.39	Un hermano	A brother
1.40	Una hermanastra	A stepsister
1.41	Un hermanastro	A step brother
1.42	No tengo hermanos	I don't have siblings
1.43	Soy hijo único	l am an only child (boy)
1.44	Soy hija única	l am an only child (girl)



Opiniones Opinions		
1.1	Me gusta	llike
1.2	Me gusta mucho	Ireallylike
1.3	No me gusta	I don't like
1.4	No me gusta nada	I don't like at all
1.5	Odio	I hate

Los dias de la semana Days of the week		ays of the week
1.6	lunes	Monday
1.7	martes	Tuesday
1.8	miércoles	Wednesday
1.9	jueves	Thursday
1.10	Viernes	Friday
1.11	sábado	Saturday
1.12	domingo	Sunday

Las estaciones		The seasons
1.13	la primavera	spring
1.14	el verano	summer
1.15	el otoño	autumn
1.16	el invierno	winter

Activida	ıdes	Activities
1.17	chatear	to chat
1.18	escribir correos	to write emails
1.19	escuchar música	to listen to music
1.20	jugar a los videojuegos	to play videogames
1.21	leer	to read
1.22	mandar SMS	to send text messages
1.23	navegar por internet	to surf the internet
1.24	salir con mis amigos	to go out with my friends
1.25	ver la television	to watch TV
1.26	bailar	to dance
1.27	cantar karaoke	to sing karaoke
1.28	hablar con mis amigos	to chat with my friends
1.29	montar en bici	to ride a bike
1.30	sacar fotos	to take photoa
1.31	tocar la guitarra	to play guitar

Los dep	oortes	Sports
1.32	hago artes marciales	I do martial arts
1.33	hago atletismo	I do athletics
1.34	Hago equitación	I do horseriding
1.35	hago gimnasia	I do gymnastics
1.36	hago natacion	I do swimming
1.37	juego al baloncesto	I play basketball
1.38	juego al futbol	I play football
1.39	juego al tenis	I play tennis
1.40	juego al voleibol	I play volleyball

El tiempo		Weather
1.41	hace calor	iťs hot
1.42	hace frIo	iťs cold
1.43	hace sol	iťs sunny
1.44	hace buen tiempo	it's nice weather
1.45	hace mal tiempo	it's bad weather
1.46	llueve	itrains
1.47	nieva	itsnows

Snack Bar project / Desk Tidy Project

Year 7 | Autumn Term



1. Rendering and drawing techniques		
1.1	rendering	Smooth and even colouring without streaks.
1.2	shading	The contrast between light, medium and dark shades.
1.3	outlining	Precise dark outlines for definition.
1.4	perspective	A particular points of view in relation to drawing.
1.5	vanishingpoint	The point at which objects disappear at distance.
1.6	presentation	Clear, decorative and precise layout.
1.7	accuracy	The quality or state of being correct or precise.
1.8	contrast	The state of being strikingly different from something else.







2. CA	ND CAM	
2.1	Computer Aided Design (CAD)	Computer software used for designing.
2.2	Computer Aided Manufacturing (CAM)	Computer equipment/process used for manufacturing.
2.3	2D design	Computer software used for designing and controlling CAM machines.
2.4	Millimeters (mm)	The smallest Metric unit.
2.5	Centimeters (cm)	The next unit up from milimeters.
2.6	metric	The correct name for the measuring system most used in the UK.
2.7	gridlock	The lock button in 2D Design that forces 10mm increments.
2.8	step lock	The lock button in 2D Design that forces 1mm increments.

3. Commercial gr	3. Commercial graphics		
successful commercial graphics	Rules to adhere to when designing commercial graphics.		
3.1	2-3 columns max.		
3.2	colours that contrast.		
3.2	Name utilises the amount of space available.		



4. Materials knowledge: wood				
4.1	Coniferous trees	The family of trees that have pine leaves and lose their leaves in winter.		
4.2	Deciduous trees	The family of trees that have flat leaves and do not lose their leaves in winter (evergreens).		
4.3	soft woods	Pine, Larch, Spruce.		
4.4	hard woods	Mahogany, Oak, Balsa		
4.5	Pine	Softwood commonly used in construction.		
4.6	Plywood	Manufactured board commonly used in shelving, wall sheathing, roofing and flooring.		
4.7	MDF	Manufactured board commonly used for doors, shelving, flooring and theatre set construction.		







Knowledge Builder: Technology



ABANDONED



Abandoned Engineering: An exploration into some of the most interesting structures that have been designed and abandoned over time.



Shifting material and drug delivering nano particles!







Legoland



BUILDING

GRID

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Winchester Science Museum

AQAS

AQA GCSE (9-1)

Design and Technology

Paultons Park



Richard Hamond: real

truth science - F1.

SCAN ME

CNC Milling & Routing.

Stretch your vocabulary				
1	Melamine	A plastic used chiefly for laminated coatings; particularly work surfaces.		
2	sustainability	Maintaining something at a certain rate or level.		
3	Knock Down Fittings	Temporary fixings that join two or more materials; particularly chipboard in flatpack furniture.		
4	Ferrous Metals	Metals that contain iron and are magnetic.		
5	Smart Materials	Materials that respond to their environment e.g. temperature/moisture etc.		
6	Stock Forms	Standard sizes of materials.		
7	Wasting	Removing material from a solid block to form a useful product.		
8	Quality Control	A method to ensure products are fit for purpose.		

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INSPIRING FUTURES



EXCEPTIONAL CHARACTER



ACADEMIC EXCELLENCE



