Year 7 Art and Design Autumn Term Knowledge Organiser

Key Vocabulary:						
1	The Formal Elements of Art	The formal elements of art are used to make a piece of artwork. The art elements are line, tone, texture, shape, pattern and colour. They are often used together, and how they are organised in a piece of art determines what the finished piece will look like.				
2	line	A line is a mark or link between two points.				
3	mark	Mark making describes the different lines, dots, marks, patterns and textures created to produce a work of art. Artists use gesture to express their feeling and emotions in response to something seen or something felt.				
4	tone	Tone refers to the light and dark values of an object when drawing. There are three different types of tone: shadows, mid tones and high lights.				
5	texture	The texture stimulates two different senses: sight and touch.				
6	Shape	Shape is a flat, enclosed area such as a square or triangle.				
7	form	A form can refer to a three-dimensional composition or object.				
8	pattern	A repeated decorative design.				
9	colour	Colour is the element of art that is produced when light, strikes an object, and is reflected back to the eye. A colour wheel is an illustrative organisation of colour hues around a circle, which shows the relationships between primary colours, secondary colours and tertiary colours.				

Colour Theory:					
10	primary	red, yellow, blue			
11	secondary	orange, green, purple			
12	tertiary	secondary + primary			
13	shade	add black			
14	tint	add white			
15	warm colours	red, orange, yellow			
16	cold colours	blue, purple, green			
17	Media	Media is the materials and tools used by the artist to create a work of art. For example ,pen and ink. The pen is the tool and the ink is the material.			
18	Still Life	One of the subject types of Western art. A still life includes all kinds of natural or man-made objects which do not move.			

Year 7 Computing Autumn Term Knowledge Organiser Accessing the Network E-Safety

Key Vocabulary:			Accessing the network & E-Safety	E-Saefty			
1	Password	A Password is a word, phrase, or string of characters intended to allow access to a users individual area. This must be kept secret and not shared.	8 How to log on to school network: User name: [graduation year] 27Firstname.Surname Password: Your own secret word!	 What are the dangers of being online? Some of the possible dangers of being online are: Strangers - Exposure to inappropriate / illegal content Fraud (identity / financial) Viruses Cyberbullying 			
2	Digital Footprint	A digital footprint is the trail of information you leave behind when you use the internet.	 9 How to access school email: To access your school email at home, go to the school website and scroll down to this button 	14 Digital Footprint: The things you share online will stay there forever like a path where you have been. With every new profile tweet or photo you post online you			
3	Digital Citizen	Digital citizenship is the set of behaviors and standards that a person practices while utilizing technology responsibly and professionally.	Emai	are adding to a digital footprint. People that know you, and people who don't, can see it and learn a lot from it.			
4	Personal information	Personal information is a person's name, address, phone number or email address.	User: [[graduation year] 27Firstname.Surname@rshs.spt.ac.uk Password: Same secret word as logging on at school 10 Who can see my school email & network area: Your school email can be viewed by the School Network	Cyber bullying is when someone uses the internet, mobile phone or tablet to intentionally hurt someone.			
5	E-Safety	E-safety is the safe and responsible use of technology.	Manager and technician. Emails are monitored and automatically scanned for inappropriate content. There are consequences for anyone misusing the school email system. Email use is monitored to ensure appropriate use and to protect learners from unsuitable content.	16 Being a Digital Citizen: Being a responsible digital citizen means having the online social skills to take part in online community life in an ethical and respectful way. Descensible digital citizenship also means:			
6	Cyber Bullying	Cyberbullying is the use of technology including mobile phones, instant messaging, e-mail, chat rooms or social networking sites such as Facebook and Twitter to harass, threaten or intimidate someone.	11 How to access network remotely via portal: To access your school email at home, go to the school website and scroll down to this button. Use the same logging on details as you would in school.	 behaving lawfully – for example, it's a crime to hack, steal, illegally download or cause damage to other people's work, identity or property online protecting your privacy and that of others recognising your rights and responsibilities when using digital media thinking about how your online activities affect yourself, other people you know, and the wider online community. 			
7	Consequences	A consequence is something that happens as a result of your actions.	User: [graduation year] 27Firstname.Surname Password: Same secret word as logging on at school				

Year 7 Computing Autumn Term Knowledge Organiser Block Based Coding in Scratch



Year 7 Drama Autumn Term Knowledge Organiser

Key	y Vocabulary:		Theatre in the Making	Television Advertisements - Persuasion		
1	Characterisation	Use of voice and movement to create a role.	8 What is characterisation? At the heart of all good drama is a story and characters. The art of story telling is one of the most necessary skills required to create meaningful and interesting dramatic work. During this topic you will study and practically explore how to create	Persuasive Techniques Character list – a list of names. Scene title – usually the setting, a theme or even just a number. Stage Directions – descriptions of action placed in brackets during dialogue or in italics elsewhere.		
2	Improvisation	Create spontaneously or without preparation	9 What is Stereotyping? Stereotyping is a popular and simplified characterisation of people often made according to how they visually appear or behave. In drama, stereotypes are how we assign a role to a character in a drama. The Hore, the Menter, the Villain and co	Character Names – written in the left hand margin, often in capitals or before a colon Dialogue – speech between characters Scene – a moment of continuous action Act – a grouping of scenes within a play		
3	Facial Expressions	Matches the character's feelings/emotions	10 Which key skills are developed? Communication – Clear voice	14ResearchResearch makes the activity more visible, and heightens its status in society. through establishing distance, from Research allows you to include facts that make your		
4	Body language	Over exaggerated to create identifiable characters to a young audience.	Freeze Frames – to exaggerate a point in the story Teamwork – Creating a group performance Characterisation – to be in the shoes of someone else Script writing – Creating your own structured storyline Reading aloud – Developing confidence Vocal and physical skills – to present a believable character	audience believe more in your idea because they can relate to it. 15 What are the 5 qualities of a good advertisement?		
5	Gestures	Exaggerated hand and head	11 Facial Expressions and emotions What are the emotions?	What are five qualities of a good advertisement? These are also known as salient features or characteristics of a good advertisement copy.		
		movements	12 Props. Costume, sound and lighting effects.	 (1) It Should Be Simple: (2) It Should Be Capable Of Holding The Reader's Attention: (3) It Must Be Suggestive: (4) It Should Have Conviction Value: (5) It Should Educate The People: (6) It Should Have Memorising Value 		
6	Monologue	A character speaks directly to the audience about their feelings.	Spotlights Character Atmosphere			
7	Tableaux	A single frame forming a motionless image				

Year 7 English Autumn Term Knowledge Organiser Unit One

Key Vocabulary:			Myths:			
			Persephone and the Underworld			
1	Mythology	a set of stories, traditions, or beliefs associated with a particular group or the history of	The story of Persephone, the sweet daughter of goddess Demeter who was kidnapped by Hades and later became the Queen of the Underworld.			
2		an event.	Pandora's Box			
2	Symbols	an abstract idea conveyed through an object.	The myth of Pandora's box is considered one of the most descriptive myths of human behaviour in Greek mythology.			
3	Conventions	are the defining characteristics, or must-haves, of a given genre.	Pandora was given a box or a jar, called "pithos" in Greek. Gods told her that the			
4	Morality	the set of standards. It's what societies determine to be "right" and "acceptable.	ever. Then Hermes took her to Epimetheus, brother of Prometheus, to be his wife. Prometheus had advised Epimetheus not to accept anything from the Gods, but he saw Pandora and was astonished by her heauty, thus he accepted her			
5	Archetypal	very typical of a certain kind of person or thing.	right away.			
6	Heroic	having the characteristics of a hero or heroine; admirably brave or determined.	herself anymore; she opened the box and all the illnesses and hardships that gods had hidden in the box started coming out. Pandora was scared, because she saw all the evil spirits coming out and tried to close the box as fast as possible, closing Hope inside.			
7	Villainous	wicked or criminal behaviour.				
			I neseus and the Minotaur			
			A dangerous Minotaur lives in a labyrinth - a maze - under the palace. Young men			
8	Quest	A search for something	and women were fed to the minotaur as a 'tribute'. Theseus, the son of a king, goes into the labyrinth to kill the minotaur to stop any more tributes being sacrificed.			
9	Labyrinth	irregular network of passages or paths; a maze				
10	Protagonist	the leading character	AND			

Year 7 The Girl of Ink and Stars Half Term 2 Knowledge Organiser

Key Vocabulary:				Themes:	Characters:
1	Tension	A build up to the most exciting or	9	Friendship	13 Isabella
		fearful part of the story.	Isab	ella and Lupe show both extremities of a friendship; the good and the bad.	The protagonist who is Da's daughter.
			10	Mystery and Tension	
2	Metaphor	A comparison, saying something is something else.	The s myst atter Terri Yote	tory begins with Cata's death, which creates immediate ery. This is then followed by Lupe's disappearance as she npts to find the murderer. She goes to the Forgotten tories where the audience learn more about Arinta and	14DaIsabella's father is a map maker. He is imprisoned in the Dedalo.
3	Mood	Emotions that are presented	11	Plot Summary:	
		within a story. Setting can help to develop a mood.	A you frien orcha	ung girl, Cata, mysteriously dies after Isabella's best d, Lupe, asked her to get her some dragon fruit from the ard.	
4	Protagonist	The main character in a story.	Isabe accus prepa	ella and Lupe have a big argument and Isabella ses Lupe of causing Cata's death. The Governor makes arations to leave the island with his family, but their is burnt down by some angry rebels, including Pablo	Lupe Isabella's best friend who goes missing. Her father organises a hunt for her.
5	Hero	A person who is admired for their bravery.	Lupe impr orgai	runs away. There is an uprising and many people are isoned in the Dedalo, including Da. The Governor hises a search party into the Forgotten Territories. As a	
6	Uprising	Rebelling against someone or something.	carto is eau walls rivers is stin	grapher's daughter, she has knowledge of the stars, and ger to navigate the island. But the world beyond the is a monster-filled wasteland – and beneath the dry s and smoking mountains, a legendary fire demon (Yote) rring from its sleep.	Isabella's father, he is the cruel dictator of Joya.
7	Magical realism	A type of writing that creates a	Isabe	la and Lupe get lost in the Labyrinth beneath the	
		real world, but adds magical elements to it.	Forge While the le relea	otten Territories and must avoid the terrifying Tibicenas. st there, Isabella comes face to face with Yote, and using egendary sword of Arinta, she saves the island by sing the ocean's water and flooding the demon world. In	17 Pablo Family friend of Isabella and Da. He is the son of Masha and is very protective.
8	Dictator	A powerful person who forcefully	the p from	rocess, Lupe becomes stuck in the flood water and slips Isabella's grasp.	
		controis a country.			18 Masha
			The I trapp trapp	Dedalo floods with water and it seems that many are bed. But Pablo manages to save them by breaking the loor which had been nailed down by the Governor.	She is the mother of Pablo and is very protective of Isabella.
9	Theme	Main ideas that are explored throughout a narrative.	Wate to flo	er continues to flow beneath the island, and Joya begins bat. The island is now safe.	

YEAR 7 HALF TERM 1 – EXPLORING THE UK

Key vocab	Definition	Towns found within Tameside					e e e e e e e e e e e e e e e e e e e			
Borough	A district or area home to several towns						1 M			
Migration	The movement of people from one area to another		3							
Britain	The word used instead of the United Kingdom		Asht	- 3F						
Multiculturalism	A society that has numerous people from different ethnicities and cultural backgrounds	Droylsden Dukinfield					Droylsden Dukinfield			
Human landscape	A landscape that has been altered by humans									Server Statement
Physical	A natural landscape that has not been altered by humans	Audenshaw			IRELAND					
Urban	A town or a city		enton 2	Hvde	2 Longue		wales ENGI			
Rural	The countryside	3		S i i i i i i i i i i i i i i i i i i i	5	5	Emole Sa			
Weather	Day today conditions of the atmosphere that change in a short space of time		and s	2-						
Climate	The weather periods in a certain area over a long period of time		Population	Capital city	Date founded	Famous people	UNITED KINGDOM			
Sparse	Very few items or people are found here		55.6			Elizabeth I				
Dense	An area that is overcrowded with very little space	England	million	London	927 AD	Sir David Attenborough	Multicultural Britain			
	Climate of the UK	Northern Ireland	1.9 million	Belfast	1921 AD	George Best C.S. Lewis	The UK is a predominantly white country Migration has beeneed to Br			
Scotland, Northern England and Wales has the most rainfall. The South and East of England receives the logist rainfall		Scotland	5.4 million	Edinburgh	843 AD	JK Rowling Robert Burns	hundreds of years which has h Britain become multicultural –			
The midlan		0.1	C annali ff	1057 40	Tom Jones	of Britain are Black and Minori				

UK Employment Sectors Job sector

Cardiff

1057 AD

Roald Dahl

Definition

Gathering raw

materials -

farmers

Processing

materials manufacturers Providing services for

people - Bus

drivers Knowledge and skills

based jobsresearcher

3.1 million

Wales



highest temperatures in the UK

temperatures

et Office

December 2015 Rainfall Amount

Northern Scotland and Northern Ireland have the lowest



te ritain for nelped 14.4% ty Ethnic (BME) • Britain is home to 18 different ethnic groups How many 18-24-year-olds are BME? % 10-17-year-olds in England and Wales at time of 2011 census White Black Asian Mixed/ Other



Year 7 History Autumn Term Knowledge Organiser The Romans

Key Vocabulary:			Key Knowledge	Key Knowledge		
1	Significance	an event that leads to change in the future	8 Who are they? The Romans built up their empire through conquest or annexation between the 3rd century BC and the 3rd century AD. At its height, the Roman Empire stretched from north-western Europe to the Near East and encompassed all the lands of the Mediterranean	13Roman ManchesterThe first migrants to build a large settlement here were the Romans after they built a fort here in 79AD. We can still see the legacy of the Romans in Manchester today – large roads such as Chester Road and Deansgate		
2	Inference	a suggestion based on evidence. Enquiry – When you want to find out about a particular subject.	Most Romans enjoyed gladiator contests. There were two kinds of gladiator – the retiarius, who used a trident and a net, and different kinds of swordsman, such as the murmillo, the thraex and the secutor, armed in slightly different ways. Sometimes they	were originally built by the Romans. Even the name "Manchester" comes from the Roman word "Mamucium". 14 What happened in Pompeii?		
3	Continuity	when there is no change and everything stays the same	fought each other, sometimes wild animals. Gladiators – including women gladiators – became as famous as modern footballers.10What did the Romans eat?Rich Romans held lavish meals with several courses. There was entertainment and lots of wine. When they had eaten as much as they could, the guests would make themselves sick so they could	It is certain that when the eruption of Vesuvius started on the morning of 24 August, AD 79, it caught the local population utterly unprepared. Although at the same time, as we now know in retrospect, all the tell-tale signs were there to warn them The eruption lasted for more than 24 hours from its start on the morning of 24 August.		
4	Mancunium	the order that events happen in.	 eat some more. 11 What were Roman homes and towns like? The Romans built new towns. These were often protected by walls and there was everything a citizen of Roman Britain would need inside: houses shops 	15 How do we know what happened in Pompeii? It is mainly thanks to the vivid eye-witness account of the younger Pliny (a Roman administrator and poet, whose many vivid letters have been preserved), that we have some understanding of what happened.		
5	Source	Something that tells us about history	 temples meeting spaces workshops Bathhouses People mainly lived in small villages of wooden houses with thatched roofs. The biggest city in Roman Britain was Londinium (London)	16What is history?The past:Who they were, what they thought and how they lived.Evidence:Each time period generates evidence.Interpretation:We use the evidence to try and understand what the pastwas like		
6	Interpretation	Reflecting on the past	12What did Romans Bring to England?The Romans were very good at building roads and bridges.To make sure soldiers and supplies could move from town to town quickly, the Romans made their roads as straight as possible.	 How do we find out about the past? Artefacts Written evidence 		
7	Historian	An expert in history	Many Roman roads survive today, 2,000 years later. Imports into Britain included Samian ware pottery and Rhineland glass, olive oil, wine and salted fish.	 Photographs Statistics Oral Evidence Human remains 		

Mi tiempo libre-Year 7-Knowledge Organiser

		6. Parallel Tex	rt:			
1		-				
Me gusta – I like chatear en línea - to chat online por Me gusta mucho – I really like escribir correos - to write emails bec Me encanta – I love escuchar música - to listen to music jugar a los videojuegos - to play			porque es – because it is	interesante – interesting guay – cool divertido/a – funny estúpido – stupid	En mi tiempo libre	In my free time
No m No m like Odio	e gusta – i don't like e gusta nada – i really don't – i hate	leer - to read mandar sms - to send text messages navegar por internet - to surf the net	porque no es – because it isn't	 entretendido – entertaining activo – active sano - healthy 	<u>me encanta</u> <u>leer</u>	I love reading
		salir con mis amigos - to go out with my friends ver la televisión - to watch t.v			porque es <u>interesante</u>	because it's <u>interesting</u>
2	A veces - sometimes De vez en cuando - From time to time Nunca - never Todos los días - everyday	bailo - I dance canto karaoke - I sing karaoke hablo con mis amigos - I talk with my friends monto en bici - I ride my bike saco fotos - I take photos			pero nunca <u>hago</u> <u>equitación</u>	but I never <mark>go horseriding</mark>
	Siempre – always	salgo con mis amigos – I go out with my frien toco la guitarra - I play the guitar hago artes marciales - I do martial arts hago atletismo - I do athletics	nds		porque icuesta un ojo de la cara!	because it costs an arm and a leg!
hace calor - it's hot hago autensitio - I do attributes hace frío - it's cold hago natación - I go swimming					Cuando <u>hace sol</u> juego al <u>fútbol</u> .	When <u>it's sunny</u> l play <u>football</u> .
	hace buen tiempo - it's nice weather Ilueve - it's raining	juego al fútbol - I play football juego al tenis - I play tennis juego al voleibol - I play volleyball		Siempre me ha gustado <u>el fútbol</u>	I've always liked <u>football</u>	
	nieva - it's snowing				porque es <u>sano</u> y	because it's healthy and
		Seasons		Questions		
3	En in		5 ¿Qu	é haces en tu tiempo libre? – What do you do	cuando llueve veo la	when it rains I watch TV
	primavera – spring		in yo	our free time?	televisión.	when <u>it rains</u> i water i v.
			:00	ó to gusta bacor2 – What do you like to do?		
	invierno - winter		cQu		Oué bacos suando	What do you do when it
4 lunes – Monday			¿Te	gusta? – Do you like?	<u>llueve</u> ?	rains?
	martes - Tuesday		¿Qu	é haces cuando llueve/hace calor/nieva etc? –		
	miércoles - Wednesday		Wha	it do you do when it rains/it's sunny/it snows?	Los sabados salgo con mis amigos	On <u>Saturdays</u> I go out with my friends
jueves - Thursday viernes - Friday		¿Ou	é haces en primavera/verano/otoño/invierno?	inis unigos	ing menus	
		– WI	hat do you do in			
	sábado - Saturday		sprir	ng/summer/autumn/winter?	pero mañana voy a	but tomorrow I'm going <u>to</u>
domingo - Sunday Los lunes - On Mondays, every Monday Los martes – On Tuesdays, every Tuesday Los miércoles – On Wednesdays, every Wednesday etc					jugar a ios videojuegos.	piay videogames.

Mi vida-Year 7-Knowledge Organiser

	Key Vocabulary							Гext:
1								
Tengo – I haveaños –un caballo – a hoTienes – you haveyears olduna cobaya – a grTiene – he/she/it hasun conejo – a rate			horse una hermana – a siste a guinea pig un hermano – a broth rabbit una hermanastra – a			Buenos días. Me llamo <u>José</u>	Hello. My name is <u>José</u>	
No te	ngo – I don't have		un gato – a cat un perro – a dog un pez – a fish	u g u	ına tortuga – a tortoise un pájaro – a bird n hámster – a hamster	stepsister / half-sister un hermanastro – a stepbrother / half-	y vivo en Inglaterra	and I live in England
			un ratón – a mo una serpiente –	un ratón – a mouse una serpiente – a snake		brother hermanos - siblings	¿Cómo te llamas? y ¿Qué tal?	What is your name? and How are you?
2	Soy – I am Eres –you are	simpático/a - nice antipático/a - mean	mascotas – pets estupendo/a - fenomenal – f	- brilliant antastic	tímido/a - shy perezoso/a - lazy	hijo único – an only child (boy)	Soy muy <u>simpático</u>	l am very <u>nice</u>
	Es – he/she/it is aburrido/a - boring Son – they are divertido/a - fun transuito/a - grid		generoso/a – g genial – great calm serio/a – ser	enerous	inteligente - clever sincero/a – sincere	hija única – an only child (girl)	y bastante <u>listo</u>	and quite <u>clever</u>
	No soy – I'm not	guay – cool listo/a – clever	tonto/a - silly sincero/a – sinc	tonto/a – serious tonto/a – silly sincero/a – sincere			pero no soy <u>perezoso</u> .	but I'm not <u>lazy</u> .
3	Mi cumpleaños es el my	1 uno	10 diez	L9 diecin	ueve	enero - January	Mi pasión es el fútbol	My passion is <u>football</u>
	birthday is the	2 dos 3 tres 4 cuatro	11 once12 doce13 trece	20 veinte 21 veintiuno 22 veintidós		febrero - February marzo - March noviembre - November abril - April	porque es <u>divertido</u>	because it's <u>fun</u>
		5 cinco 6 seis 7 siete 8 ocho	14 catorce15 quince16 dieciséis17 diecisiete	23 veintit 30 treinta 31 treinta	itres,etc. diciembre - December ita mayo – May ita y uno junio - June julio - July	diciembre - December mayo – May junio - June julio - July	y mi héroe es <u>Mo</u> <u>Salah</u>	and my hero is <u>Mo Salah</u>
		9 nueve 18 dieciocho			agosto – August septiembre - September octubre - October	porque es <u>genial</u> .	because he's <u>great</u> .	
	Му	passion			Questio	- orange	Tengo <u>una hermana</u>	l have a <u>sister</u>
٨	Minasión es - My passion is							hut she is silly
4	Mi héroe es My hero is el deporte – sport la música	- music		6	¿Qué tal? – How are you ¿Cómo te llamas? – What's y ¿Dónde vives? – Where do y	your name?	pero es <u>tonta</u> .	but sne is <u>silly</u> .
el fútbol – football el tenis – tennis la tele – TV los videojuegos – videogames porque es because it is Colours 5 blanco/a – white amarillo/a – yellow negro/a – black				¿Y tú? – And you? ¿Cuántos años tienes? – How ¿Cuándo es tu cumpleaños?	w old are you? — When's your birthday?	¡Ojalá tuviera <u>un</u> <u>hermano</u> !	If only I had a <u>brother</u> !	
				¿Qué tipo de persona eres? ¿Cómo eres? – What are you	 What kind of person are you? u like? 	Tengo <u>once</u> años.	I am <u>11</u> years old.	
rojo/a – red verde – green gris – grey marrón – brown azul – blue rosa – pink		¿Tienes hermanos? – Do you ¿Tienes mascotas? - Do you ¿Cómo es? – What's it like? ¿Cómo son? - What are the		have any pets? y like?	También, mi cumpleaños es el <u>cuatro</u> de <u>junio</u> .	Also, my birthday is the <u>4th</u> of <u>June</u> .		

Year 7 Music Autumn Term Knowledge Organiser

Key Vocabulary:				Music Theory		Music Theory
1	Melody	The main tune or musical theme	8	The keyboard	12	Notes and how many beats they are
			G♭ A♭ B [↓] F# G# A [♯]	 D[↓] E[↓] G[↓] A[↓] B[↓] D[↓] E[↓] G[↓] A[↓] B[↓] C[#] D[#] F[#] G[#] A[#] C[#] D[#] F[#] G[#] A[#] 		Note Durations and Rhythms Note Technical Note Symbol name Duration
2	Articulation	How the notes are played – smooth (legato) or short (staccato)	9 Tin for Keybo	B C D E F G A B C D E F G A B C Hand positioning on the keyboard		Minim 2 Beats Crotchet 1 Beat
2	Duning	The sector sector sector (for the)	When learnin	ng the keyboard, use all your fingers and resist		J, addici i bodi
3	Dynamics	and quiet (piano) the music is	just using you your right ha	ur 2nd and 3rd fingers. Play the melody with nd and the harmony/chords with the left		Semi- ¼ Beat Quaver
			, ,		13	Using Garageband
				4 ³ 2 2 ³ 4	Click on the O	Garageband icon on the bottom of the screen –
4	Instruments	The apparatus used to make and play the music Strings – Violin, viola, cello, double bass and harp Woodwind – Flute, Oboe, Clarinet and Bassoon Brass – Trumpet, French horn, Trombone and Tuba Percussion – Timpani, maracas,	10	Left Right Music of the Stave	Then click on	the green plano and choose
		triangle, etc.		F A C E Every Good Boy Does Fine	Then select t	he instrument from the left hand side and the
		Guitars Synthesizers	J F	A C E É G B D F	piano will ch Then to reco	ange to the sound of the instrument. rd press the record button – it will tick 4 times record your piece. As you record green layers
5	Rhythm	The patterns of notes used and their durations		C E G G B D F A All Cows Eat Grass Good Burritos Dont Fall Apart	of sounds ap For each new instruments	pear. To add a new layer press on the + button. v layer repeat the process of selecting the
6	Tempo	How fast (Allegro) or slow (lento)		() FastPianoLessons.com		
		the speed of the music is	11 Treble Clef Played by the	Treble clef		
7	Structure	How the sections of music are organised Introduction, verse, chorus etc.	with higher p side of the pi	ano	47.42 47.42	

Year 7 Religion and Worldviews – What is so radical about Jesus?

Key Vocabulary:			1 The life of Jesus	3	Jesus' beliefs on injustice		
1	Rebel	A person who does not obey authority or follow usual standards.	He was born sometime just before 4BCE. in Nazareth in Galilee and was trainer father to be a Carpenter. He was Jewish. He was baptised by John started his public preaching with a	Grew up Jesus t d by his look at of the and then teachin radical Luke 6	Jesus taught not to judge others and to have a look at yourself before criticising others. The story of the women caught in adultery shows this teaching. Luke 6: 42 "How can you say to your brother, 'Brother, let me take the speck out of your eye,' when you yourself fail to see the plank in your own eye? You hypocrite," Luke 4:18-19 "18"Because He has anointed me to preach the gospel to the poor; He has sent me to heal the broken-hearted," This was radical because he was saying the poor are important and need looking after. 4 Representations of Jesus He helped people who were normally ignored this was radical: "He ate with tax collectors and sinners saying "Healthy people don't need a doctor—sick people do. I have come to call not those who think they are righteous, but those who know they are sinners." Mark 2: 15-17		
2	Pharisees	A Jewish sect, distinguished by strict observance of the traditional and written law.	message. He was a healer, teacher and Prophet. He performed many miracles. He was kille	d on the own ey			
3	Salvation	Being saved from sin.	'Holy Land'. Jews at the time of Jesus were the 'holy land'; modern day Israel/ Palest believed this land was given by God – th special and sacred.	e living in to prea ne. Jews to hea at is was becaus need lo			
4	Pacifism	The belief of non-violence A pacifist reject all violence and they do not think that conflict should be dealt with by resorting to war.	Many Jews did not like the idea that the ruled by 'ungodly' people who used the land for making money.	ey were 4 e sacred He help radical:			
5	Messiah	The expected king and deliverer of the Jews.	2 Jesus' beliefs on pacifism and violence The early Christians interpreted Jesus' comma to mean that they could not fight in wars or be	non- I have c righteon Mark 2: violent.			
6	Resurrection	When someone who is declared dead returns to life.	In the Gospel of Matthew, Jesus said: Blessed peacemakers: for they shall be called the chil God. Matthew 5:9 They also look to the example of Jesus' life for	are the fren of 5. Image of Jesus The Goo further Shepard	 What it tells us Jesus guides people in their lives, that he is a good example to follow and that he looks 		
7	Ordination	In Christian churches, a rite for the dedication and commissioning of ministers.	reasons to be pacifists. When the guards came Jesus he did not fight back and he commanded disciples to allow him to be taken. Do not mur Exodus 20:13	to arrest his der. Jesus	after his followers. Jesus was a middle eastern man and so would have dark hard and olive coloured skin.		
8	Inequality	The unfair situation in society when some people have more opportunities, money, etc. than other people:	Matthew 5:44 "But I say to you, love your en bless those who curse you," This was radical because normally you would g revenge. Matthew 5:9: "Blessed are the peacemakers	emies, The Blac et Jesus	k Tells us that it does not matter what Jesus looked like, Jesus' words and deeds are what is important and were for every-one of every race.		
9	Injustice	The absence of justice : violation of right or of the rights of another.	shall be called sons of God". This was radical because Jesus was telling his f not to fight back.	ollowers The Crucified Jesus	Jesus was crucified (killed) for his beliefs and for wanting to see change in the world.		

Year 7 GCSE Science Autumn Term Knowledge Organiser - Cells

Key \	/ocabulary:		Asking Questions and Cells			Specialised Cells and Microscopes		
1	Hazard	Something that can cause harm	12	Science is about	Λ	17 Specialised Cells Sperm cells: Their function is to swim to the egg cell for		
2	Risk	The harm that might happen to you or someone else	b) aski c) com	ing questions about nature and how the ning up with ideas and explanations that see	world works explain what	fertilisation. The structure that helps them to do this is a tail for swimming		
3	Precaution	What you do to prevent a hazard from causing harm	d) test e) usin imp	ting our ideas to see if they are true ng our knowledge and skills to solve prob prove lives	plems and	Neurons (nerve cells): Their function is to send messages to control the body. The structure that helps them to do this is a		
4	Nucleus	Controls the cells activities because it contains DNA	13 a) Can b) Can	A scientific question is one th be answered be tested or measured	iat	Song axon and connections at the end		
5	Cell Membrane	Controls what enters and leaves the cell	14	Living Organisms		Palisade cells: Their function is to take in lots of sunlight (for photosynthesis to make food). Their structure helps them to		
6	Cytoplasm	A jelly-like substance where reactions happen	 Living All or respinged and respinged respinged respinged respinged respinged respinged respinse respin	g things are called organisms rganisms carry out the 7 life processes: n iration, sensitivity, growth, reproduction putrition	novement, , excretion	do this as they have lots of chloroplasts		
	Mitochondri a	Where aerobic respiration takes place	All liv Unice	ving things are made of cells ellular organisms are made of only one c	cell e.g.	Root hair cells: Their function is to take in lots of water. To		
7	Cell Wall	Surrounds plant cells and provides strength and support	bacte • Mult huma	eria icellular organisms are made of many ce ans	ells e.g.	help them to do this, their structure consists of a large surface area to take water in		
8	Chloroplast	Where photosynthesis take place to make food (glucose) for the plant and contain chlorophyll to absorb	15	Animal Cells				
		suniight	Cytoplasm Nucleus			 Microscopes A microscope is used to make something small appear 		
9	Vacuole	Contains a liquid that stores substances for the cell and keeps it rigid	Cell Mi	membraneitochondria	•)	 much larger. To calculate the magnification of an image seen under the microscope, this equation can be used: 		
10	Specialised Cells	Different structures that let them carry out their function	16	Plant Cells		Magnification = eyepiece magnification x objective lens magnification		
11	Microscope	Eyepiece lens		Chloroplast		A group of the same cells working together is called a tissue		
		Arm Objective lens Coarse focus wheel Fine focus wheel) ₉	Cell membrane		 A group of tissues working together for the same function is called an organ 		
			both anir lant cells I	Cytoplasm ———		 A group of organs working together for the same function is called an organ system 		
			Found in and p	Mitochondria		including: respiratory, excretory, nervous,		
			L			/ muscular, circulatory, skeletal and digestive		

Year 7 Science Autumn Term Knowledge Organiser Particles

Key Vocabulary:							16 The Particle Model			B Diffusion		
							•	All matter is made from tiny particles.				
1	States of They are solids, liquids and gases.		•	The arrangement of particles affects the properties of the								
2	Melting A substance changes from a solid to a liquid.			solid	•	The three states of matter can be represented by a simple model.						
3	Freezing	zing A substance freezes when it changes from a liquid to a solid.					Air particles Air freshener particles					
4	Melting Point	The temperature at where the melting and freezing of a substance happens.			he			 Diffusion happens in liquids and gases because particles are free to move. Diffusion cannot happen in solids because particles in a solid are not free to move. Diffusion happens faster when the particles in a liquid or gas are moving faster after heating. 				
5	Boiling	A substance changes from a liquid to a gas.			liquid		Solid Liquid Gas					
6	Condensation	Condensation When a substance changes from			from		each other and vibrate on the spot					
7	Boiling Point The temperature at which boiling			oiling	•	and move freely	19 Heating Substances					
8	Diffusion	and condensing happens. usion Diffusion is the movement of particles from a high concentration to a low concentration			of	•	Particles in a gas are arranged randomly, do not touch and move freely Some substances expand when heated. This is because when heated, particles have more energy. They vibrate	Yellow (safety) flame The cooler flame - but still to hot to to couch (air hole open) Site (roaring) flame Contest the gas flame The totaler flame				
9	Independent Variable (IV)	The variable you want to change/ investigate.			ange/	17	Changing State		Air hole Can be opened or			
10	Dependent Variable (DV)	The variable you measure because it depends on the IV. The variables you keep the same			V.	•	When a solid melts, the particles gain energy from the surroundings, so they begin to vibrate faster . The	closed to allow air into the chimney Base Keeps the Bunsen upright and stable				
	Variable (CV)	(CV) because they could affect the dependent variable.			and start to move around more.	20	Gas pressure happens because of particles colliding with					
12	Density Defined as the mass per unit		•	slowly as they lose energy to the surroundings. The		the walls of a container						
13	DensityDensity = mass ÷ volume			particles form a regular arrangement and vibrate on the spot.		pressure as there will be less collisions.						
14	Volume	Volum	lume = mass x width x height			ight	•	During boiling, a liquid is heated. The particles gain	 Decreasing the size of the container increases the gas pressure as there will be more collisions. 			
15	Proper	Properties of State of Matter					•	During condensation, a gas cools. The particles lose	 The deeper underwater you travel, the greater the pressure. 			
The three states of matter have different properties.								touching. This forms a liquid.	•	The higher up you go into the atmosphere, the less the		
	PropertySolidLiquidGasDoes the object flow?NoYesYesCan the object be compressed?NoNoYesDoes the object fill to fit the container?NoNoYes			•	When boiling occurs, Bubbles of the substance rise up to the surface and escape into the air	•	 Greater pressure compresses gas particles so they are 					
				•	The particles in a solid can vibrate in a fixed position and	closer together and have a smaller volume.						
				cannot move from place to place because there are strong	 21 Density and Volume If an object has an irregular shape, the volume can be measured using a displacement can, or Eureka can. The displaced water in the cylinder occuries the same 							
			•	The particles in a liquid are able to move around each								
	Does the object have a Yes No No fixed shape?				particles close together, but weak enough to let them	amount of space as the irregular object. The volume of						
	Does the object have a Yes Yes No fixed volume?			move around each other	the object.							

Year 7 Science Autumn Term Knowledge Organiser - Reproduction

Key	/ocabulary:		Reproductive Systems	Fertilisation and Sexual Reproduction in Plants
1	Asexual Reproduction	When an organism makes an exact copy of itself to make a new individual.	14 Male Reproductive System Urethra Sperm Duct/Tube One from each testis carries	 18 Fertilisation and Gestation Fertilisation is when the gametes meet and the nuclei fuse to make a new cell.
2	Sexual Reproduction	When sex cells from two individuals fuse to form a new individual	and urine out of the body Penis Passes sperm into the vagina during	 After fertilisation, the cell multiplies to make an embryo. Implantation is when the embryo embeds into the uterus wall. After implantation, the embryo grows and develops into a
3	Gametes	Sex cells	Testis Makes sperm	 The amniotic sac contains fluid which protects the foetus
4	Hormone	A chemical messenger transported in the blood	and the male to keep inem cool, which improves sperm production	 The placenta is where the exchange of substances between the mother and embryo occurs.
5	Ovulation	When an egg is released by the ovary	15 Female Reproductive System Ovary/Ovaries Contain developing eggs (oval. An equals	The umbilical cord connects the foetus to the placenta.
6	Fertilisation	When the gametes meet and the nuclei fuse to make a new cell	released each month in ovulation Vagina Canal where the Darkin and the set of	
7	Implantation	When the embryo embeds into the uterus wall.	during intercourse Cervix (baby) develops	
8	Amniotic sac	Contains fluid which protects the foetus from knocks and bumps	Ring of muscle from a fertilised ovum ovum ovum ovum ovum	
9	Placenta	Where the exchange of substances between the mother and embryo occurs	16 PubertyThe body goes through changes during puberty or	19 Sexual Reproduction in Plants
10	Umbilical cord	Connects the foetus to the placenta	 adolescence (e.g. body and public hair grow). This prepares the body for sexual maturity and the production of gametes. 	PISTIL the female parts of the flower style ovary the flower style ovary the flower style ovary the flower
11	Pollination	The transfer of pollen from the anther of one plant to the stigma of another plant	 These changes are controlled by sex hormones. A hormone is a chemical messenger transported in the blood 	ovules SEPALS
			17 Menstrual Cycle	 The male gamete is the pollen grain. Pollen is produced by the anther.
12	Germination	The process of a plant growing from a seed	The menstrual cycle prepares a woman's body for pregnancy. The menstrual cycle is controlled by sex hormones.	 The female gamete is the egg found in the ovule. The ovule is in the ovary. Pollination is the transfer of pollen from the anther of one
13	Seed dispersal	Where seeds are transported away from the parent plant by various means; Animals externally (stuck to fur), animals internally (eaten), wind and explosion and water.	Ovulation is when the egg is release. Ovulation occurs on day 14. The uterus lining builds up to allow the embryo to develop. If fertilisation does not take place then the uterus lining is shed between days 1-5. This is called menstruation	 plant to the stigma of another plant. Pollination can be carried out by insects, animals or the wind. Seed dispersal is needed so that the new plant grows far away from the parent plant so they don't compete for water and light.

Year 7 Design and Technology Autumn Term Knowledge Organiser

Ke	y Vocabulary:		Mechanisms	2D Design		
1	Rotary	Rotation around a fixed axis is a special case of rotational motion. Familiar examples of rotary include a washing machine drum and wheels on the bus go round and round.	8 Mechanisms - What are they? In engineering, a mechanism is a device that transforms input forces and movement into a desired set of output forces and movement. Mechanisms generally consist of moving components. Mechanical motion is defined as one of the four types of	13 Linkage - What is it? A mechanical linkage mechanism is an assembly of bodies connected to manage forces and movement. The movement of a body, or link, is studied using geometry so the link is considered to be rigid. The connections between links are modelled as providing ideal movement, nure rotation or		
2	Linear	Linear motion is one-dimensional motion along a straight line, and can therefore be described mathematically using only one spatial dimension. Familiar examples of linear include a train moves on a straight line track and drawing a straight using a ruler	motion that you will find in a mechanical system. The different types of motion are: rotary, linear, oscillating and reciprocating.	14 Pulley - What is it?		
3	Oscillating	Oscillation is the repetitive or periodic variation of some measure about a central value (often a point of equilibrium). Familiar examples of oscillation include a swinging pendulum and alternating current.	 9 Lever - What is it? A lever is a simple machine consisting of a beam or rigid rod pivoted at a fixed hinge, or fulcrum. A lever is a rigid body capable of rotating on a point on itself. On the basis of the locations of fulcrum load and effort, the 	support movement and change of direction of a taut cable or belt, or transfer of power between the shaft and cable.		
4	Reciprocating	Reciprocating is a repetitive up- and-down or back-and-forth linear motion. It is found in a wide range of mechanisms, including reciprocating engines and pumps. Familiar examples of	lever is divided into three types.	15 Oblique Projection		
		reciprocating include jumping up and down on a trampoline and using a coping saw to cut a piece of wood	Interventional and an analysis 10 Gear Train - What is it? A gear train is a mechanical system formed by mounting	It is a simple type of technical drawing of graphical projection used for producing three-dimensional (3D) images of objects.		
5	Fulcrum	A fulcrum is the support about which a lever pivots.	gears on a frame so the teeth of the gears engage. Gear teeth are designed to ensure the pitch circles of engaging gears roll on each other without slipping, providing a smooth transmission of rotation from one gear to the pext			
6	Load	Something lifted up and carried or a mass or weight supported by something.	Gear ratio of the pitch circles of mating gears defines the speed ratio and the mechanical advantage of the gear set.	16 Evaluation Designers evaluate their finished products to test whether		
7	Effort	The power directly applied to a machine to lift a load is called Effort.		they work well and if design can be corrected or improved. It is important to evaluate your work constantly during the project to see if it is on track and so that improvements can be built-in throughout the design process, not just at the		

10.0

2.4.4

end.

	Year 7 Food Technology Autumn Term Knowledge Organiser								
Key Vocabulary: Nutrition			Ke	Key Vocabulary: Cooking			Key Vocabulary: The Eatwell Guide		
1	The Eatwell Guide	A healthy eating model showing the types and proportions of foods needed in the diet.		cut, slice and chop		1	The Eatwell Guide		
2	Hydration The process of replacing water in the body.		2	grate		2	Fruit and vegetables.		
3	Dietary Fibre	A type of carbohydrate found in plant foods.	3	peel		3	Potatoes, bread, rice, pasta or other starchy carbohydrates.		
4	Combination Food	Food made with ingredients from more than one food group.	4	mix and combine	Ů	4	Dairy and alternatives.		
5	Macronutrients	Nutrients needed to provide energy and as the building blocks for growth and maintenance of the body.	5	use the grill	J.	5	Beans, pulses, fish, eggs, meat and other		
			6	use the hob			protein.		
6	Micronutrients	Nutrients which are needed in the diet in very small amounts.	7	use the oven		6	Oil and spreads.		
7	Energy	The power the body requires to stay alive and function.				7	Foods high fat, salt and sugar.		

Year 7 Mathematics Knowledge Organiser – Algebraic Notation

...

кеу	vocabulary:			
1	Operation	A mathematical process. The most common operations are add, subtract, multiply and divide $(+, -, \times, \div)$ but there are many more, such as square, square root, etc.	 8 Single Function Machines We can use function machines to find the input and/or the output, using inverse operations. Input Operations Output 9 Using Letters to Represent Numbers 	13Substituting into ExpressionsIf $y = 7$ 4y means 4 lots of y, so the expression is asking for 4 lots of 74 x 7 OR 7 + 7 + 7 + 7 OR 7 x 4 = $\frac{28}{28}$ $y - 2$ means y subtract 2, so 7 - 2 = $\frac{5}{28}$ If x = 10
2	Inverse Operation	The operation that reverses the effect of another operation. Addition and subtraction are inverse operations. Multiplication and division are inverse operations.	 Addition and multiplication can be done in any order; these are commutative calculations, for example: 5+5+5 3 x 5 5 x 3 We can represent 4 lots of y in the following ways: y+y+y+y 	2(x+3) means take the input, add 3, then multiply by 2 input $+3 + 3 + 2 + 3 + 2 + 3 + 3 + 3 + 3 + 3 +$
3	Commutative	A calculation is commutative when we get the same answer no matter which order we put the numbers in. Addition and multiplication are commutative.	 y y y y y y x 4 4 x y 4y We can represent 20 shared into h number of groups: 20 ÷ h 20 	input $+3$ $x2$ output To represent graphically, the input becomes x coordinates and the output becomes y coordinates. y = 2(x + 3)
4	Expression	Numbers, symbols and operators (such as + and ×) grouped together that show the value of something.	$ \begin{array}{c c} \hline h \\ \hline 10 \\ \hline Single Function Machines (Algebra) \\ \hline \\ \hline \\ a \\ \hline \\ 3c \\ \hline \\ \hline \\ \hline \\ x 10 \\ \hline \\ 10a \\ \hline \\ 30c \\ \hline \\ \hline$	INPUT (x) 1 2 3 OUTPUT (y) 8 10 12 This becomes a coordinate pair. Impute the second secon
5	Variable	A symbol for a value we do not know yet, usually a letter like x or y (but can be others). A variable could be a single value or it could have many values.	11 Finding Functions from Expressions We can use function machines to find the relationship between the input and output. Sometimes there could be a number of possible functions	$f \rightarrow f \rightarrow$
6	Substitute	To replace letters with numerical values.	$7x \longrightarrow ? \longrightarrow 14x$ possible functions could be + 7x or x 2! $12 \qquad \text{Two Step Function Machines}$	Sometimes it helps to explain the expression in words first! 16 Forming a Sequence The term that we want to find in the sequence is the input value.
7	Evaluate	To calculate the numerical value of something.	$b \rightarrow x 5 \rightarrow + 4 \rightarrow 5b + 4$ $\div 5 \rightarrow -4 \rightarrow 5b + 4$	The answer we get when we substitute the input value gives us the output values, which become our sequence. INPUT 1 2 3 OUTPUT 8 10 12 This is the sequence.

Year 7 - Sequences - Knowledge Organiser- Autumn Term

