

Summerseat Methodist Primary School Steps in Learning, Skills for Life

Expectations Beech class (Cycle A, Year Four)

What knowledge and skills will you gain on your learning journey this year?

Summerseat Methodist Primary School's Steps in Learning

This booklet provides an overview of the topics taught in the year group for all the subjects and also outlines the end of year exceptions for children in our school for maths and English. It also contains the knowledge organisers for maths and English which we use with the children in school. Science, geography and history knowledge organisers for the autumn term are also included for information and subsequent terms will come home at the start of each topic to let you know the key knowledge children will gain during the topic.

At the back of the booklet are our learning to learn skills which are taught progressively and explicitly in all year groups to ensure our pupils leave the school as 'well rounded' individuals.

This is a 'snapshot' of our curriculum and more information on skills progression for each curriculum area can be found in our subject 'Steps in Learning' which are our key progression documents.

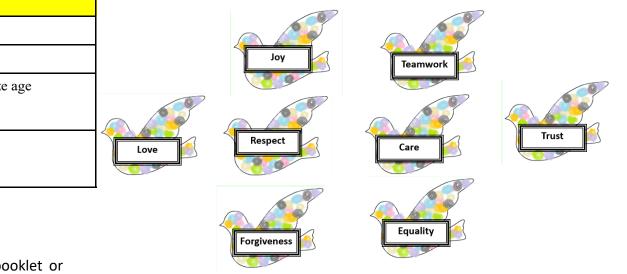
Class Three Topics—Cycle A				
Autumn 1	Rainforests			
Autumn 2	Deserts			
Spring 1	Stone age, Iron age, Bronze age			
Spring 2				
Summer 1	Ancient Civilisation			
Summer 2				

If you have any queries regarding the content of this booklet or want support in knowing how best to help your child please talk to your child's class teacher.



The school vision, motto and values have directed our curriculum intent and design and are interwoven within in.

"I have come so that they may have life and have it to the full." John 10:10 Believe, Achieve, Shine,



		Summerseat Meth	nodist Primary School – Class Three – Cycle A			
	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Торіс	Rainforests	Deserts	Stone age, Iron	age, bronze age	Ancient civilisations	
Hook	Rainforest sounds Rainforest pictures Rainforest fruits		Mock archa	Mock archaeological dig		
Visits and Visitors		Chester Zoo	Anderto	on centre	Museu	m visit
Key Texts	There's a Pango Tan below in My Below Mer Hade	THE GREAT REAL PLANE AND	Stone Girles Bandward States Bandward States B	Stote Artende	THE EGYPTIAN Dr Billing Unite - Barrared by Baits Holer The States Unite - Barrared by Baits Holer	Tin Forest
Additional Stimulus	Little People, Big Dreams - Attenborough	The Grinch who stole Christmas – Seuss	Fossil Girl - Brighton	How to wash a woolly mammoth	You wouldn't want to be an Egyptian Mummy	
Writing Outcomes	Instructions/rules for living in the bedroom Information page about orang-utans Angry speech bubble in role as the little girl Letter of complaint Short Biography	Setting description New page for The Great Kapok Tree incl. persua- sive speech in role Letter of complaint re: deforestation	Diary - Mary Anning Setting Description Recount	Dialogue – between two characters Narrative – own versions of the story Instructions Non-chronological report – stone age to iron age	Narrative Setting description Mystery story Dialogue to convey char- acter and move the action on Explanation – Mummifica- tion Diary – Howard Carter	Writing in role Diary Entry Descriptive Writing Persuasion
Mathematics	Number: Place value Number: Addition and Subtraction	Number: Addition and Subtraction Number: Multiplication & Division	Number: Multiplication & Division Measurement: Length, perimeter, area Number: Fractions	Number: Fractions Measurement: Mass and Capacity	Number: Decimals (including money) Measurement: Time	Statistics Geometry: Properties of shape
Science	<u>Physics:</u> How far can you throw your shad- ow? Light & dark – reflec- tions & shadows	Physics: Why is the sound made by *** loved by so many? Sound – Sound vibra- tions, pitch & volume	Animals including hum	ns to the food we eat? nans – Digestive system teeth	our local en Plants & animals – Bas tions, life cycles, transp	Is and plants thrive in vironment? sic structure and func- portation of water, clas- nts and animals

Summerseat Methodist Primary School – Steps in Learning Class Three – Cycle A						
	Autumn1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
History				e Age and Iron Age n Stone Age to Iron Age)	Ancient Ci (The achievements of the overview of when and w appeared and a de	e earliest civilisations – ar here the first civilisations
Geography	Rainforests	Deserts				
Art			<u>Collage</u> Jesse Treece		<u>3D Art</u> Ancient civilizations Sarcophagus (Clay & hinge)	<u>Printing</u> <u>William Morris</u>
Design Technology	Mechanisms Levers, pulleys, winding mecha- nisms, pneumatics Moving Animals	Structures Stiffening, reinforcing Frames and axles Engineer: <u>Stephenson's</u> (Robert & George)		Food Healthy and varied diet Making bread & soup Chef: Jamie Oliver		
Computing	Unit 3.1-Coding Lesson 1, 2 & 4 3 weeks Unit 4.1-Coding lessons 1, 2 & 3 3 weeks Online Reputation/Self- image & identity	Unit 3.2-Online Safety 2 weeks Unit 3.9-Presenting Managing Online Infor- mation	Unit 3.3 & 3.4-Spreadsheets & Touch Typing 7 weeks Privacy & Security/Copyright & Ownership	Unit 3.5-Email-including email safety 6 weeks Online Relationships & Bully- ing	Unit 3.6-Branching Databases 4 weeks Health, Wellbeing & Lifestyle	Unit 3.7 & 3.8-Simulation & Graphing 6 weeks
Music	Mama Mia (Musicals)	Songs for Christmas per- formances	Western Classic to 1940: Classical Period : Focus on Beethoven 'Symphony no. 5' Western Tradition & Film post 1940: Jai Ho from Slumdog Millionaire	Western Classic to 1940: Medieval & Renaissance: William Byrd (Recorder popular – lead into record- er unit) Recorder Course (Steps 1-10)	Western Classic to 1940: Medieval & Renaissance: William Byrd (Recorder popular – lead into record- er unit) Recorder Course (Steps 1-10)	Let your spirit fly (R&B) Stop! (rap)
RE	2a.1: CREATION/ FALL: What do Christians learn from the creation story?	How do festivals and family life show what matters to Jewish people?	2a.2 PEOPLE OF GOD: What is it like to follow God? Methodist Unit: Warm hearts: what does it feel like to expe- rience God's presence?	How do festivals and worship show what matters to a Mus- lim?	2a.4 GOSPEL: What kind of world did Jesus want?	How and why do religious and non-religious people try to make the world a better place?
PSHE	Knowing Me, Knowing You	Anti-Bullying Jobs and Money	Keeping Healthy	Keeping Safe (Inc. CWP Preventing Early Use)	Friends, Family & SRE	Friends, Family & SRE

Reading

- I can read and understand tricky words with unusual spellings and identify the difficult bits inside them.
- I can read aloud and silently, using what I know about how words work and are built from chunks of meaning to help me understand what I am reading.
- I can apply knowledge of root words, prefixes and suffixes to read aloud and to understand the meaning of unfamiliar words.
- I can attempt pronunciation of unfamiliar words drawing on prior knowledge of similar looking words
- I can listen attentively or read a wide range of different texts and discuss them with others afterwards.

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V - I can pick out and discuss words and phrases from my reading that caught my attention and made me think. Explain the meaning of key vocabulary within the context of the text. Identify how the writer has used precise word choice to impact on the reader.

I - I can pick up hints and clues the writer has given me to help work out why characters do and say the things they do and I can explain how I worked this out. Justify responses to the text using the PE prompt (Point + Evidence). Consider a range of Evidence statements, provided by the teacher, and summarise the Point.
P - I can predict what I think is going to happen next in a story based on what has happened so far and hints the writer has given me.

E-I can identify language, structure and presentation features in a text that help me understand what the writer wants me to know or believe.

R-I can read a non-fiction text and find answers to questions I posed before I read it and I can make notes for myself so I remember the information I learned. Scan texts in print or on screen to locate dates, numbers and names, key words or phrases, headings, lists, bullet points, captions and key sentences. Retrieve and record information from non-fiction.

S - I can identify what the main ideas in a longer text are and sum them up quickly in a few sentences.



A Year Four Child English

Speaking

- Ask questions to clarify or develop understanding
- Sequence, develop and communicate ideas in an organised, logical way in complete sentences as required
- Show understanding of the main points and significant details in a discussion
- Increasingly adapt what is said to meet the needs of the audience/listener
- Vary the use and choice of vocabulary dependent on the audience and purpose
- Show understanding of how and why language choices vary in different contexts
- Present writing to an audience, using appropriate intonation and controlling the tone and volume so that the meaning is clear
- Justify answers with evidence
- Understand when the context requires the use of Standard English
- Perform poems or plays from memory, conveying ideas about characters and situations by adapting expression and tone

Handwriting

- I can develop my use of the diagonal and horizontal strokes needed to join letters and understand which letters, when adjacent are best left unjoined.
- I can develop my use of the diagonal and horizontal strokes needed to join letters and understand which letters, when adjacent are best left unjoined.
- The legibility, consistency and quality of my handwriting is improving.

Writing

I can use varied and carefully selected vocabulary.

I can organise paragraphs around a theme.

I can create settings, characters and plot in narratives.

With support, I can use simple organisational devices in non-narrative (e.g. headings & sub-headings)

I can extend my range of sentences with more than one clause by using a wider variety of conjunctions and subordinate clauses. (including: when, if, because, although) (ISAWAWABUB / FANBOYS) I use the present perfect form of verbs.

use expanded noun phrases with modifying adjectives and prepositional phrases, e.g. 'The strict teacher with curly hair.' I learn the grammar for Year 4 in the English Appendix. (See knowledge organiser – includes determiners, fronted adverbials)

I choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition.

I use conjunctions, adverbs and prepositions to express time and cause.

I can use fronted adverbials, consistently punctuated with a comma. I can use further suffixes and prefixes and know how to add them. I can use further suffixes and prefixes and know how to add them. I can spell further homophones.

I can spell words that are often misspelt. (English Appendix 1) I can place the possessive apostrophe accurately in words with regular plurals (e.g. girls', boys') and irregular plurals (e.g. children's). Use the first 2 or 3 letters of a word to check its spelling in a dictionary.

(and our spelling knowledge organiser) Use the first 2 or 3 letters of a word to check its spelling in a dictionary.

(and our spelling knowledge organiser) I can write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far.

I can use full stops, capital letters, exclamation marks and question marks consistently.

I can use full stops, capital letters, exclamation marks and question marks consistently. I use commas for lists.

I can consistently use commas after a fronted adverbial.

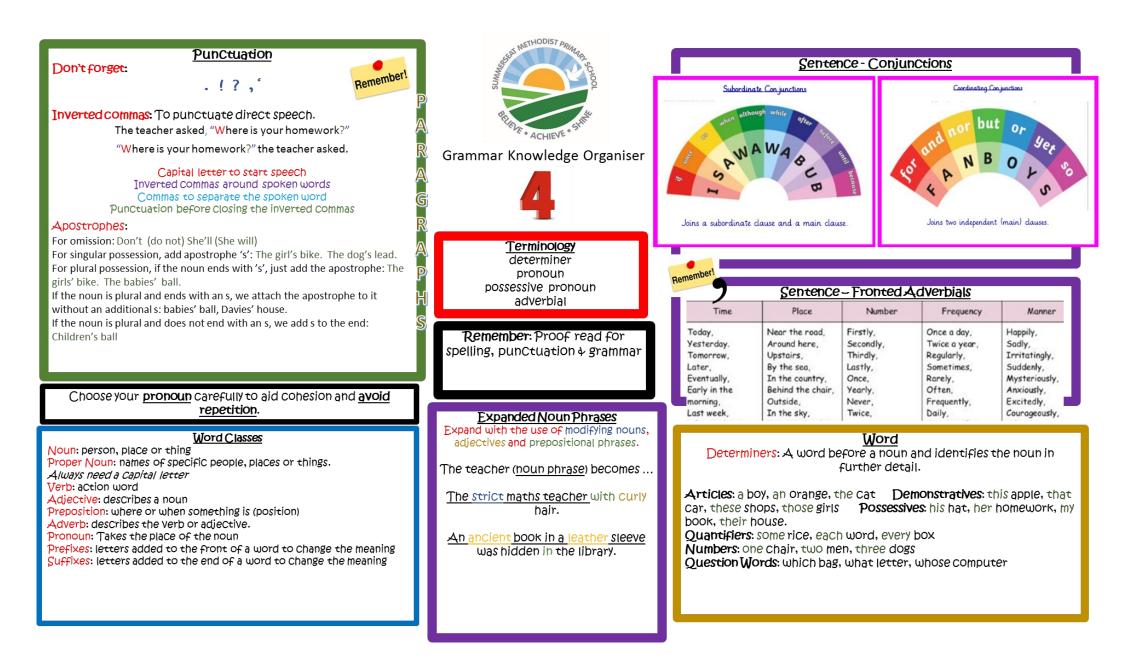
Use the comma to separate clauses in complex sentences where the subordinate clause appears first, e.g. While you were sleeping, I visited the Enchanted Wood. Since they had invaded Britain, the Romans had built many roads.

I can use apostrophes for:

Contracted form

Possessive singular and plural

I can use and punctuate direct speech correctly. Improvise and compose dialogue, demonstrating their understanding of Standard English (for narrative sections) and non-Standard English (for some speech)





accident	century	experiment	interest	particular	remember
accidentally	certain	extreme	island	peculiar	sentence
actual	circle	famous	knowledge	perhaps	separate
actually	complete	favourite	learn	popular	special
address	consider	February	length	position	straight
answer	continue	forward(s)	library	possess	strange
appear	decide	fruit	material	possession	strength
arrive	describe	grammar	medicine	possible	suppose
believe	different	group	mention	potatoes	surprise
bicycle	difficult	guard	minute	pressure	therefore
breath	disappear	guide	natural	probably	though
breathe	early	heard	naughty	promise	(although)
build	earth	heart	notice	purpose	thought
busy	eight	height	occasion	quarter	through
business	eighth	history	occasionally	question	various
calendar	enough	imagine	often	recent	weight
caught	exercise	increase	opposite	regular	woman
centre	experience	important	ordinary	reign	women

	Prefixes		
	be added to the beginnin		
	any changes in spelling, <mark>ex</mark>	cept in-	
Suffix	Meaning		
un-/dis-/mis-	Negative meanings		
in-	Can mean not or 'in' /		
re-	Means 'again' or 'bac	k′	
sub-	Means 'under'		
inter-	Means 'between' or '	among'	
super-	Means 'above'		
anti-	means 'against'		
auto-	means 'self' or 'own'		
Before a root word starting with I, in– becomes il illegal, illegible	Before a root word starting with m or p, in– becomes im immature, immortal	Before a roo word startir with r, in– becomes ir– irregular, irre	ng
Is a number also represented as 2.	too much!	S then ther they SFFECI &	e ^a re FFECT
heer here write It ri	Is an interrogative prono used to identify a perso or thing. Which dragon is yours	n orm	itch ale sorcere agician.

Being a mathematician Number

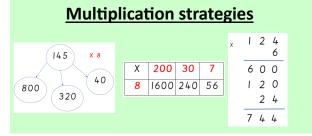
- Recognise the place value of each digit in a 4digit number
- Identify the value of each digit to two decimal places
- Find 1,000 more or less than a given number
- Order and compare numbers beyond 1,000
- Round any number to the nearest 10, 100 and 1000
- Count backwards through 0 to include negative numbers
- Count in multiples of 6, 7, 9, 25, 100 and 1000
- Read Roman numerals to 100
- Add and subtract numbers with up to 4 digits and decimals with one decimal place using the formal written methods of column addition
- Estimate and use inverse operations to check answers to a calculation
- Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
- Recall and use multiplication facts for 6, 7, 9, 11 and 12 times tables verbally and in written form
- Recall and use division facts for 6, 7, 9, 11 and 12 times tables verbally and in written form
- Recognise and use factor pairs and commutativity in mental calculations
- Multiply 2 and 3-digit numbers by a 1-digit number using formal written layout
- Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- Use place value, known and derived facts to multiply and divide mentally, multiplying by 0 and 1 and dividing by 1
- Solve problems involving multiplying and dividing

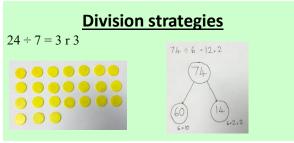


A Year Four Child

Addition strategies					
	5879	1 2.7 3			
+	3785	+ 8.3 9			
	9664	2 1.1 2			
	1 1 1	1 1 1			

<u>Subtr</u>	Subtraction strategies			
⁴ 5 ¹⁴ 5 ¹⁰ 1 ¹ 2	_ £ ² 3 ¹⁰ 1•27			
3748	£14•81			
1734	£16•46			



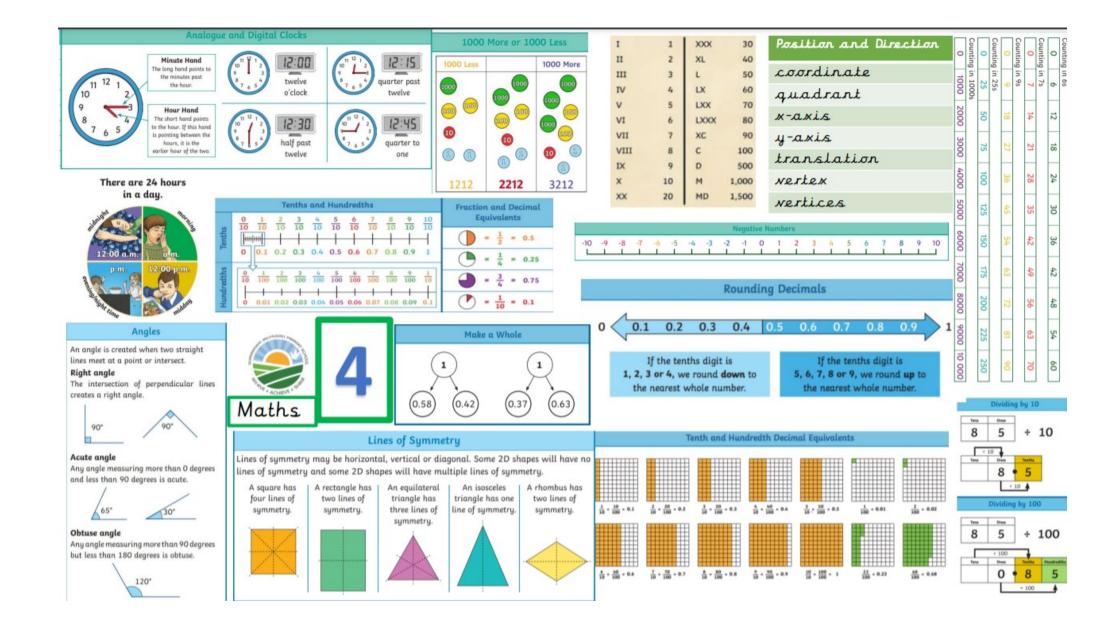


Being a mathematician

Fractions, measurement, geometry & statistics

- Understand that a fraction is one whole number divided by another (for example, 3/4 can be interpreted as 3 ÷ 4)
- Recognise, find and write fractions of a discrete set of objects including those with a range of numerators and denominators
- Count on and back in steps of unit fractions
- Add and subtract fractions with the same denominator
- Recognise and write decimal equivalents of any number of tenths and hundreds
- Recognise and write decimal equivalents to 1/4, 1/2, 3/4
- Round decimals with one decimal place to the nearest whole number
- Compare numbers with the same number of decimal places up to two decimal places
- Solve simple measures and money problems involving fractions and decimals to 2 decimals places
- Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- Identify lines of symmetry in 2-D shapes presented in different orientations
- Continue to identify horizontal and vertical lines and pairs of perpendicular and parallel lines
- Identify acute and obtuse angles and compare and order angles up to two right angles by size
- Use a variety of sorting diagrams to compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- Describe positions on a 2-D grid as co-ordinates in the first quadrant
- Describe movements between positions as translations of a given unit to the left/right and up/down
- Plot specified points and draw sides to complete a given polygon
- Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs
- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

For more detail on our mathematical strategies, please see our calculation policy.



LKS2 Physics Light and Dar Weight and Dar United The Dar United Th	 Know that light is reflected from a sur Know the danger of direct sunlight and Recognise that shadows are formed where by an opaque object. Find patterns in the way that the size throw 	l describe how to keep protected, nen the light from a light source is blocked	search Present Setting there is finding Looking when th	relevant questions and be encouraged to re- the answers themselves. Fing findings in a table or graph. The part test to see what happens when a more than one source of light and record s. For patterns in what happens to shadows be light source moves or the distance be- the light source and the object changes.
	Vocabulary	Sticky Knowledge		Interesting Books
Reflection	A reflection occurs when a ray of light hits a surface and bounces off.	 Black and dark objects absorb heat whilst white or light objection Some objects like glass are trained 	cts reflect it.	Orion®
Shadows	A shadow is formed when an object blocks out the light. The object must be opaque or translucent to make a shadow.	 which means that light can shine through them. Our main source of light on Earth comes from the Sun. A ray of light travels very fast. Darkness is made by blocking light from the sun or some other source of light, which makes shadows. The Sun and other stars, 		COSCAR and the MOTH
Light Source	The main light source for Earth is the Sun. Some other luminous objects give out light, for example, torches, candles and lamps.			
Opaque	Opaque objects do not allow light to pass through them, in most cases creating a shadow.			
Refraction	It is the change of direction of a light ray as it passes through different surfaces, for ex- ample, from air to water.	fires, torches and lamps all mai light and so are examples of so light.		Cont Marrie
Persicope	A periscope is an instrument people use to look at things from a hidden position.	C.A.		 A mirror is not a source of light, it merely reflects light, Similarly, the Moon is not a source of light
Nocturnal	If something is nocturnal, it belongs to or is active at night. For example, bats and owls.			because it reflects the light from the Sun. Some animals are nocturnal, They
Orbits	An orbit is a repeating path that one celestial body takes around another.			are awake at night and can see very well in the dark. Our eyes aren't designed to see at night.
Convex	Convex lenses, also called positive lenses, are lenses that curve outward from the edges to the centre.			

LVC2	At the end of this unit you must:	Skills:		
LKS2	Knowledge	Interpret a range of sources including	maps, diagrams, globes, aerial photographs and GIS.	
Geography	I know what is meant by tropics.	Use a wider range of maps (including o	digital), atlases and globes to locate countries and features studied.	
	I can identify the position and significance of Northern Hemisphere and	Use maps and diagrams from a range o	of publications e.g. holiday brochures, leaflets, town plans.	
Rainforests	Southern Hemisphere.	Use maps at more than one scale.		
	Know the names of four countries and four cities from the Northern and	n and Recognise that larger scale maps cover less area.		
	Southern Hemisphere.	Recognise patterns on maps and begin		
A BUNYDOUST PROMA	I can locate the equator and know what physical things are there.	Use the index and contents page of atla		
	Know the names of and locate at least eight major capital cities across	Label maps with titles to show their pu		
	the world.	Recognise that contours show height a		
	I Know the names of and can locate some of the world's deserts.	Use 4 figure coordinates to locate featu		
Mar Acourts - get	Describe and understand a vegetational belt (Amazon Rainforest). Label layers of a rainforest and know what deforestation is. (vegetation	Create maps of small areas with feature		
	belt)	Link features on maps to photos and a		
	Understand geographical similarities and differences through the study			
	of human and physical geography of a region in South America (small	knowledge of the United Kingdom and	r figure grid references, symbols and key (including OS) to build their	
	region in Brazil – Yanomami Tribe).	knowledge of the onited kingdom and	J WILET WORLD.	
	I can identify key features of the South American rainforest.			
	Vocabulary		Sticky Knowledge	
Rainforest	Thick forests found in wet areas of the world are called rainforests. Tropical	The American Deinferset is the sound	d'a la section de la sinfacente de la section de la sectio	
an information on any second data and the last such as included the			d's largest tropical rainforest. It is located in northern South	
	tropics.	America. The rainforest covers son	ne 6,000,000 square kilometres of land surrounding the Ama-	
	tropica.	zon River and its tributaries.		
Vegetation belt	Vegetation belts are regions of the world that are home to certain plant			
	species determined by the climate.	VENEZUELA CUPANA SUBINAME	The Amazon Rainforest lies in parts of nine countries: Bra-	
		EDLOME A A AND AND AND AND AND AND AND AND AND	zil, Ecuador, Venezuela, Suriname, Peru, Colombia, Bo-	
Climate	Climate is the average weather conditions in a place over 30 years or more.		livia, Guyana, and French Guiana. However, most of the rain-	
			forest is in Brazil, where it makes up about 40 percent of the	
Deforestation	Deforestation is the cutting down of forests or groups of trees which is then		country's total area.	
Deforestation	turned into non-forest use.	Mr.	country's total area.	
			The Amazon Rainforest has the richest and most varied plant	
Biome	Biomes are regions of the world with similar climate (weather, tempera-		and animal life in the world. It contains several million spe-	
ыоте	ture) animals and plants.			
	ture, animais and plants.		cies of plants, insects, birds, other animals, and other living	
Equator	The Equator is an imaginary line that is drawn around the middle of the Earth		things.	
	to divide it into the Northern and Southern Hemispheres.		N	
Tropics	The tropics are the region of the Earth near to the equator and between			
	the Tropic of Cancer in the northern hemisphere and the Tropic of Capricorn	A Same	NW	
	in the southern hemisphere.			
Yanomami Tribe	The Yanomami are the largest relatively isolated tribe in South America. They live in the rainforests and mountains of northern Brazil and southern	The way in	W E	
	live in the rainforests and mountains of northern Brazil and southern Venezuela.			
Settlement	Settlements are places where people live and sometimes work.			
		5		
Land use	Function of land – what land is used for.			
			5	

LKS2 Aut 1 A Mechanisms	 Use ideas from other people and design Produce a plan and explain the design wi Communicate ideas in a range of differe annotation on drawings to generate, der Make: Follow a step-by-step plan, choosing the Select materials and components appro 	th reasons why it meets the criteria. nt ways including working drawings and velop and extend ideas.	mechanisms for a product (such as l gears).	
	Vocabulary	Sticky Kno	owledge	Inspiration
mechanism	a device used to create movement			
pneumatic	a system that works using gases (air)	Sur assessments	al and another	
syringe	a tube with a nozzle and plunger			
plunger	a rubber suction cup and handle	input air in syst	em output	
system	a set of related parts and components	1		
-,	that have an input, process and output.			
process				
compressed	something squashed, such as air in a tube			Entre St
input	what goes into a system	Make Design		0.0
output	what comes out of a system	V		
inflate	fill something with air or gas to make it swell up			
deflate	removing air/gas to allow an object to			
	shrink	Key Experience	s	D
incl m	Design Brief: esign, make and aluate a toy that udes a part that oves using a Imatic system.	 Identify the user, purpose and f Chester Zoo Explore existing products that w these products and write an exp Attempt to move a book across tubing. They will attempt to lift syringe, tubing and a balloon. Sketch and annotate their own Chester Zoo. Write step-by-step instructions Evaluate their product with reference 	vork with air; they will sketch blanation for how they work. a table using 2 syringes and a book off the table using a design based on animals found in for making a moving animal	



Learning Qualities

Class Three

The following outlines the key year group skills that we are committed to developing which will help our children to become successful life long learners. It is helpful to see these as 'Learn to Learn' skills.

Gaining Independence

- •Begin to take increased responsibility for organising their own things, including resources and belongings
- •Welcome opportunities to take an added responsibility
- •Work within a time frame and prioritise the most important things that need doing
- •Set and review learning targets
- •Explain who helps them learn and why
- •Not put off by changes to normal routine

Becoming Collaborative

- Work harmoniously and constructively with others in joint activity
- Make sure that everybody takes a turn when speaking
- Give feedback to others in a group on their performance
- Work readily in different teams
- Listen to and follow instructions independently
- Take on a specific allocated role in a group
- Respect and tolerate values and beliefs of others in a joint activity
- Communicate capably as a team member

Building Resilience

- Begin to talk about 'Growth Mindset' and 'Fixed Mindset'
- Keep emotions in check when tasks get tough
- Enjoy challenges, especially open ended or deeper thinking ones
- Try different ways to solve a problem
- Start to understand the power of 'yet'
- Know we can learn from mistakes and recognise

Developing Confidence

- Work harmoniously and constructively with others in joint activity sharing ideas with confidence
- Communicate capably as a team member
- Describe own strengths and weaknesses
- Say who or what helps them learn; and how and why they know
- Understand the factors that stop them from learning effectively

Being Inquisitive

- Devise sensible questions to ask different people
- Suggest a question which can be investigated
- Follow up a question to gain clarification
- Show thinking in different ways, e.g. mind maps
- Use more than one piece of evidence to support findings
- See the relationship between things and use to explain to others
- Sort information and choose what is most relevant