YEAR 2					
Working scientifically During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:	Vocabulary				
<ul> <li>asking simple questions and recognising that they can be answered in different ways</li> <li>observing closely, using simple equipment</li> <li>performing simple tests</li> <li>identifying and classifying</li> <li>using their observations and ideas to suggest answers to questions</li> <li>gathering and recording data to help in answering questions.</li> </ul>	question answer observe observing equipment identify classify sort group record diagram chart map data compare contrast describe biology chemistry physics				

Programme of study, skills and vocabulary							
Α	utumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Living things and their habitats  None this term A		Animals including humans	Plants	Uses of everyday materials	Materials		
Living things and their habitats	Key objectives explore and compare the differences between things that are living, dead, and things that have never been alive		sorting and classi to whether they never alive, and r using charts. The they decided whe e exploring questic ff lame alive? Is a c winter?' and talk answering their c construct a simpl includes humans human). They co conditions in diff micro-habitats (u under bushes) ar conditions affect of plants and anii			Vocabulary living dead never alive habitats microhabitats food food chain sun-grass-cow-human alive healthy logs leaf litter stony path under bushes shelter seashore woodland ocean rainforest conditions hot/ warm/ cold dry/damp/ wet bright/ shade/ dark	
Uses of everyday materials	a variety of ever including wood brick, rock, par particular uses find out how to objects made f	empare the suitability of eryday materials, d, metal, plastic, glass, per and cardboard for the shapes of solid from some materials cal squashing, bending,	comparing the us materials in and materials found i home, the journe and in stories, rh observing closely	around the school with in other places (at ey to school, on visits, ymes and songs); ,, identifying and es of different	paper cardboard twisting stretchin cans, cars, table, matches, floors, spoons – plastic,	legs wood – telegraph poles wood, metal John Charles Macintosh-	

	You objectives	Specific skills	Vocabulary
	Key objectives notice that animals, including humans,	Pupils might work scientifically by:	grow adults nutrition reproduce
Animals including humans	have offspring which grow into adults	observing, through video or first-hand	survival water food air exercise
Ĕ	have onspring which grow into addits	observation and measurement, how	hygiene egg-chick-chicken egg-
hu	find out about and describe the basic	different animals, including humans,	caterpillar-pupa-butterfly spawn-
ling	needs of animals, including humans, for	grow; asking questions about what things	tadpole-frog lamb-sheep baby-toddler-
pn	survival (water, food and air)	animals need for survival and what	child-teenager-adult
i	sa. Tra. (Water) rood and any	humans need to stay healthy; and	oa cooliager addit
als	describe the importance for humans of	suggesting ways to find answers to their	
ie	exercise, eating the right amounts of	questions.	
¥	different types of food, and hygiene.		
	Key objectives	Specific skills	Vocabulary
	Distinguish between and object and the	Pupils might work scientifically by:	material wood plastic glass metal
	material from which it's made	performing simple tests to explore	water rock properties hard soft
<u>s</u>		questions, for example: 'What is the best	stretch stiff shiny dull rough smooth
ig.	Identify and name a variety of everyday	material for an umbrella?for lining a	bendy waterproof absorbent brick
je j	materials including wood, plastic, glass,	dog basket?for curtains?for a	paper fabrics elastic foil
Everyday materials	metal, water and rock	bookshelf?for a gymnast's leotard?'	
\ \	Describe the simple physical		
da	properties of a variety of everyday		
X	materials		
Eve	Compare and group together a variety		
-	of everyday materials on the basis of		
	their simple physical properties		
	Key objectives	Specific skills	Vocabulary
	observe and describe how seeds and	Pupils might work scientifically by:	water light suitable temperature grow
Plants	bulbs grow into mature plants	observing and recording, with some	healthy germination reproduction
		accuracy, the growth of a variety of	
a	find out and describe how plants need	plants as they change over time from a	
Ы	water, light and a suitable temperature	seed or bulb, or observing similar plants	
	to grow and stay healthy.	at different stages of growth; setting up a	
		comparative test to show that plants	
		need light and water to stay healthy.	