National Curriculum Progre	ession				Litter &
Y1	Y2	Y3	Y4	Y5	Y6
Animals, including	Living things and their Habitats	Animals, including	Living things and their	Living things and	Living things and their Habitats
<u>Humans</u>	i. explore and compare the	<u>Humans</u>	<u>Habitats</u>	their Habitats	i. describe how living things are classified into
. identify and name a	differences between things that are	i. identify that animals,	i. recognise that living	i. describe the	broad groups according to common observabl
variety of common	living, dead, and things that have	including humans, need	things can be grouped in a	differences in the	characteristics and based on similarities and
animals including fish,	never been alive	the right types and	variety of ways	life cycles of a	differences, including microorganisms, plants
amphibians, reptiles, birds	ii. identify that most living things live	amount of nutrition, and	ii. explore and use	mammal, an	and animals
and mammals	in habitats to which they are suited	that they cannot make	classification keys to help	amphibian, an insect	ii. give reasons for classifying plants and
i. identify and name a	and describe how different habitats	their own food; they get	group, identify and name a	and a bird	animals based on specific characteristics.
variety of common	provide for the basic needs of	nutrition from what they	variety of living things in	ii. describe the life	Evolution and Inheritance
animals that are	different kinds of animals and plants,	<mark>eat</mark>	their local and wider	process of	i. recognise that living things have changed
carnivores, herbivores	and how they depend on each other	Animals, including	environment	reproduction in	over time and that fossils provide information
and omnivores	iii. identify and name a variety of	<u>Humans</u>	iii. recognise that	some plants and	about living things that inhabited the Earth
iii. describe and compare	plants and animals in their habitats,	i. identify that animals,	environments can change	animals.	millions of years ago
the structure of a variety	including microhabitats	including humans, need	and that this can sometimes	Animals, including	ii. recognise that living things produce offspring
of common animals (fish,	iv. describe how animals obtain their	the right types and	pose dangers to living	<u>Humans</u>	of the same kind, but normally offspring vary
amphibians, reptiles, birds	food from plants and other animals,	amount of nutrition, and	things.	i. describe the	and are not identical to their parents
and mammals, including	using the idea of a simple food chain,	that they cannot make	Animals, including Humans	changes as humans	iii. identify how animals and plants are adapted
pets)	and identify and name different	their own food; they get	iii. construct and interpret a	develop to old age.	to suit their environment in different ways and
Animals, including	sources of food.	nutrition from what they	variety of food chains,		that adaptation may lead to evolution.
<u>Humans</u>	Animals, including Humans		identifying producers,		Animals, including Humans
iv. identify, name, draw	i. notice that animals, including	eat	predators and prey.		i. identify and name the main parts of the
and label the basic parts	humans, have offspring which grow	ii. identify that humans	Animals, including Humans		human circulatory system, and describe the
of the human body and	into adults	and some other animals	i. describe the simple		functions of the heart, blood vessels and blood
say which part of the	ii. find out about and describe the	have skeletons and	functions of the basic parts		ii. recognise the impact of diet, exercise, drugs
body is associated with	basic needs of animals, including	muscles for support,	of the digestive system in		and lifestyle on the way their bodies function

Scientific	Enquir	v Skills
		,

body is associated with

each sense.

humans, for survival (water, food and

humans of exercise, eating the right

amounts of different types of food,

iii. describe the importance for

air)

and hygiene.

protection and

<mark>movement.</mark>

Asking Questions	Investigating	Gathering and Recording Data	Presenting and Analysing Findings	
asking relevant questions and using different	setting up simple practical enquiries,	gathering, recording,	reporting on findings from enquiries, including oral and written	
types of scientific enquiries to answer them	comparative and fair tests	classifying and presenting data in	explanations, displays or presentations of results and conclusions	
	making systematic and careful	a variety of ways to help in	using results to draw simple conclusions, make predictions for	
	observations and, where appropriate, taking	answering questions	new values, suggest improvements and raise further questions	
	accurate measurements using standard	recording findings using simple	identifying differences, similarities or changes related to simple	
	units, using a range of equipment, including	scientific language, drawings,	scientific ideas and processes	
	thermometers and data loggers	labelled diagrams, keys, bar	using straightforward scientific evidence to answer questions	
		charts, and tables	or to support their findings.	

humans

ii. identify the different

types of teeth in humans

and their simple functions

iii. describe the ways in which nutrients and

water are transported within animals,

including humans

Key Vocabula	arv –	· Unit Specific	Kev Vocabulary	– Sc	cientific Enquiry	
animals – food, nutrition, carnivores, herbivores, plants, omnivores – compare and contrast		Key Vocabulary – Scientific Enquiry questions, explain				
humans – nutrition, balanced diet, main food groups, proteins, carbohydrates, fruit and		equipment - metre stick, measuring tape, hand lens, trundle wheel, ruler, timer				
vegetables, dairy products and alternatives, fats and spreads, hydrated – explain,		observe, observations, compare, group, classify, feature, similarities, differences, make				
characteristics			simple connections measure, measurement			
humans – skeleton, muscles, movement, support, protection, organs, bones, major muscle			tests, instructions, method, prediction, investigation, comparative test, fair test			
groups - descibe			results, information, investigate, investigation, noticing patterns and relationships,			
animals – ske	eleto	n, support, movement, protection, internal skeleton (endoskeleton),	conclusion, evidence			
external skel	eton	(exoskeleton) – identify, compare, group	record, data, table, charts, Venn diagram, labelled diagrams, graphs, explain			
	Co	nceptual Learning Goals - Core Knowledge		Pro	ocedural Learning Goals - Skills	
Substantive	a.				Know how to compare and contrast the diets of different animals.	
Knowledge		eat. Carnivores get their nutrition from eating other animals. Herbivores get their nutrition		b.	Know how to explain the importance and characteristics of a healthy,	
	from plants. Omnivores get their nutrition from eating a combination of both plants and		plants and		balanced diet.	
	other animals.			c.	Know how to describe how humans need the skeleton and muscles for	
	b.	, ,			support, protection and movement.	
	balanced diet made up of the main food groups, including proteins, carbohydrates, fruit and		d.	, , ,		
	vegetables, dairy products and alternatives, and fats and spreads. Humans need to stay		ed to stay		internal skeleton (endoskeleton) and an external skeleton (exoskeleton).	
		hydrated by drinking water.		e.	Know how to compare and group animals according to their type of	
	c.	Know that humans have a skeleton and muscles for movement, support and	orotecting		skeleton	
	١.	organs. Know the names of some major bones and major muscle groups.	_			
	d.	Know that some animals have skeletons for support, movement and protection				
		skeletons are found inside some animals, such as humans, cats and horses. So				
	are found on the outside of some animals, such as beetles and flies. Some animals have no		mais nave no			
		skeleton, such as slugs and jellyfish.	lalatan			
Disciplinary	e.	Know that animals can be compared and grouped according to their type of s		f.	Know how to ask questions about the world around them and evaluin	
Knowledge	f.	Know that questions can help us find out about the world and can be answere	eu iii uiiierent	١.	Know how to ask questions about the world around them and explain that they can be answered in different ways.	
Kilowieuge	~	ways. Know that an observation involves looking closely at living things, which can be	o compared	~	Know how to make increasingly careful observations, identifying	
	g.	and grouped according to their features.	de compareu	g.	similarities, differences and changes and making simple connections.	
	h.	Know that tests can be set up and carried out by following or planning a set o	finstructions A	h.	Know how to set up and carry out some simple, comparative and fair	
	11.	prediction is a best guess for what might happen in an investigation based on		11.	tests, making predictions for what might happen.	
		knowledge.	Joine Prior	i.	Know how to use suitable vocabulary to talk or write about what they	
	i.	Know that results are information that has been discovered as part of an inve	stigation. A	"	have done, what the purpose was and, with help, draw a simple	
		conclusion is the answer to a question that uses the evidence collected.	0		conclusion based on evidence collected, beginning to identify next steps	
	j.	Know that data can be recorded and displayed in different ways, including tal	oles, charts,		or improvements.	
		graphs and labelled diagrams. Data can be used to provide evidence to answer		j.	Know how to gather and record findings in a variety of ways (diagrams,	
		· · · · · · · · · · · · · · · · · · ·			tables, charts and graphs) with increasing accuracy.	

Scientific Enquiries:						
Observing changes Over Time	Noticing Patterns	Grouping and Classifying Things	Carrying out Simple Comparative and Fair Tests	Finding Things Out using Secondary Sources of Information		
	Joints investigation Muscle investigation	Sorting food into main food groups Recording similarities and differences between the diets of two animals Grouping animals according to type of skeleton	Investigating fatty foods Own research or investigation about nutrition, skeletons or muscles	What do I know about living things? Research about animal diets Label a skeleton Own research or investigation about nutrition, skeletons or muscles		
Assessment Criteria:		poropriate scientific language from the nation	nal curriculum:		Substantiative Knowledge and	
 Disciplinary Knowledge and Skills - using appropriate scientific language from the national curriculum: ask relevant questions and using different types of scientific enquiries to answer them setup simple practical enquiries, comparative and fair tests make systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers 					Skills • name and describe the functions of the main parts of the musculoskeletal system	

- gather, record, classify and present data in a variety of ways to help in answering questions
- record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- identify differences, similarities or changes related to simple scientific ideas and processes
- use straightforward scientific evidence to answer questions or to support their findings.

Resources:

- Range of information sources about human diets and food sources.
- Brown packing paper
- Food samples including biscuits, cashew nuts, chocolate, crackers, crispbread, potato crisps, rice cakes and vegetable crisps
- Metal spoons
- Pieces of antler (optional)
- 30cm lengths of cardboard tubes, such as postal tubes

- Non-bendy plastic straws
- Pieces of string slightly longer than the straws
- Range of invertebrates collected from outside or live animal feeds bought from a pet shop, such as earthworms, snails, centipedes, woodlice, grasshoppers and crickets
- A wide variety of information sources, including books and websites, and contact information for experts such as the school nurse, local doctor, or pharmacist
- Investigation equipment