

Kildwick CE Primary School Rolling SCIENCE Long Term Plan



EYFS Development of scientific skills and knowledge. Every year.

Autumn 1 Intent Vocabulary Implementation	Children can describe an animal using some scientific vocabulary. Children have an understanding of some animal habitats and can describe them and who lives in them. animals, mini beasts, habitats, oceans, ponds, forests, woodland, urban, camouflaged, survival. Exploring animals and labeling them. Exploring what animals need to survive and how that changes depending on the environment they are in.
Autumn 2 and Spring 1 Intent Vocabulary Implementation	Children identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and paper. Children are beginning to understand what 'recycle' means and why we should do it. Material, wood, plastic, glass, metal, paper, recyclable, hard, soft, rough, smooth, shiny Exploring the materials as a class – naming them. Exploring the properties of these materials through continuous provision and whole class inputs. Reading and investigating what recycling means and how we can recycle.
Spring 2 Intent Vocabulary Implementation	Discussions around human life cycles and how we grow and change – children understanding how they have grown and how they will continue to grow. Looking at how they look and people older than them look – what is the same and what is different. Naming body parts and how to keep ourselves healthy. Hygiene, healthy, unhealthy, grow, change, germs, 5 senses, teeth brushing, dentist, face, hair, leg, human, knee, arm, elbow, back, head, toes, ear, hands, eye, fingers, mouth, nose, parent, baby, child, adult, grandparent Continue with the work on seasons and weather from the Autumn term. Discussions and inputs around growth and changes in the human body. Learning about healthy eating and how the body works.
Summer 1 Intent Vocabulary Implementation	Children can name parts of a plant and what it needs to grow as part of the current topic. Children can grow their own plants and look after them. Children observe the plants and trees around them and how they change. Children are developing a good understanding of a lifecycle as part of the topic. Tulip, daffodil, bluebells, crocuses, snowdrops, dandelions, buttercups, daisy Plant, stem, leaf, roots, bulb, shoot, seed, growth flower, trunk, branches. life cycle, egg, caterpillar, chrysalis, cocoon, butterfly, water, food, air Exploring plants and the parts of the plants, looking at life cycles of plants, identifying plants.
Summer 2 Intent Vocabulary Implementation	Children are confident at naming a range of animals and where they live (habitat) and can sort some animals into the country they live in. Children care for and look after animals and encourage others to do the same. Children can compare animals and observe their changes (Lifecycles). Pond, garden, woodland, seaside, habitat, wild, wildlife, native, woodland, birds, (owl, duck), insects/bugs/ minibeasts (lacewing, ladybird, woodlouse, bee, wasp, spider, tarantula, earthworm, snail, millipede, butterfly, caterpillar, microhabitats, ldentifying, observing and exploring British animals – in person, through books, videos etc.

<u>Years 1 & 2</u>

Year A 2023-2024

	WKI	WK2	wk3	WK4	WK5	WK6	Wk7	WK8	WK 9	WK10	WKII	WK 12
AUTUMN	Seasonal changes (autumn)	Anima surviv	I needs al	for		The h	uman b		Consolidation	Seasonal changes (winter)		
SPRING	Planting A	Materi	als				Caring the pla		Consolic	lation	Planting B	Seasonal changes (spring)
SUMMER	Plants					Planting C	Growin	ng up			Growing up	Seasonal changes (summer)

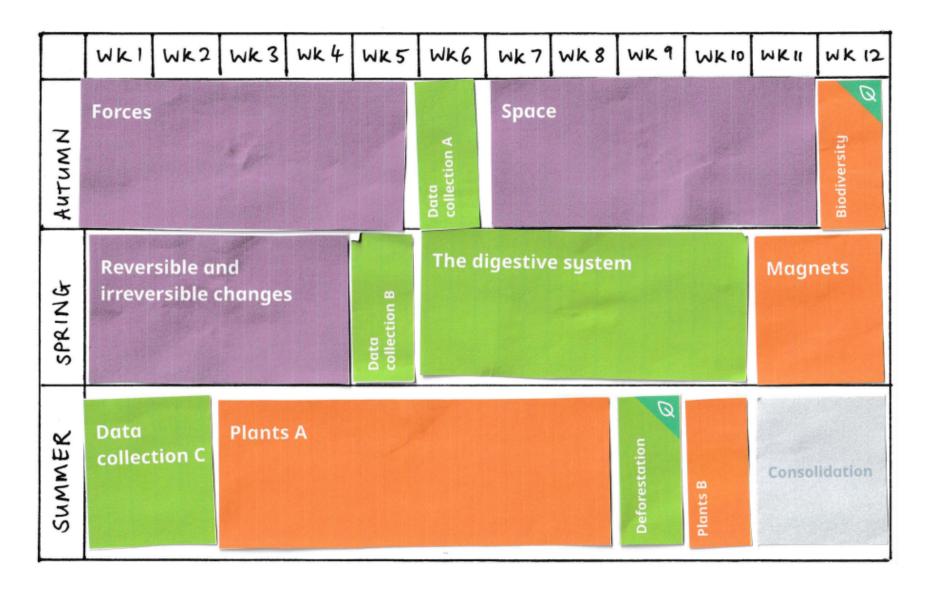
Years 1 & 2

Year B 2024-2025

	WKI	WK2	wk3	WK4	WK5	WK6	Wk7	WK8	WK 9	WK10	WKII	WK 12
AUTUMN	Seasonal changes (autumn)	Living	things	and th	eir hab	itats			Humo	ins	Consolidation	Seasonal changes (winter)
SPRING	Planting A	Matei	rials				Plant (light	s and do	ırk)	Light and dark	Seasonal changes (spring)	Planting B
SUMMER	Animals					Planting C	Plants (bulbs seeds	and	Bulbs and seeds	Seasonal changes (summer)	Consolidation	

Years 3, 4 & 5

Year A 2023-2024



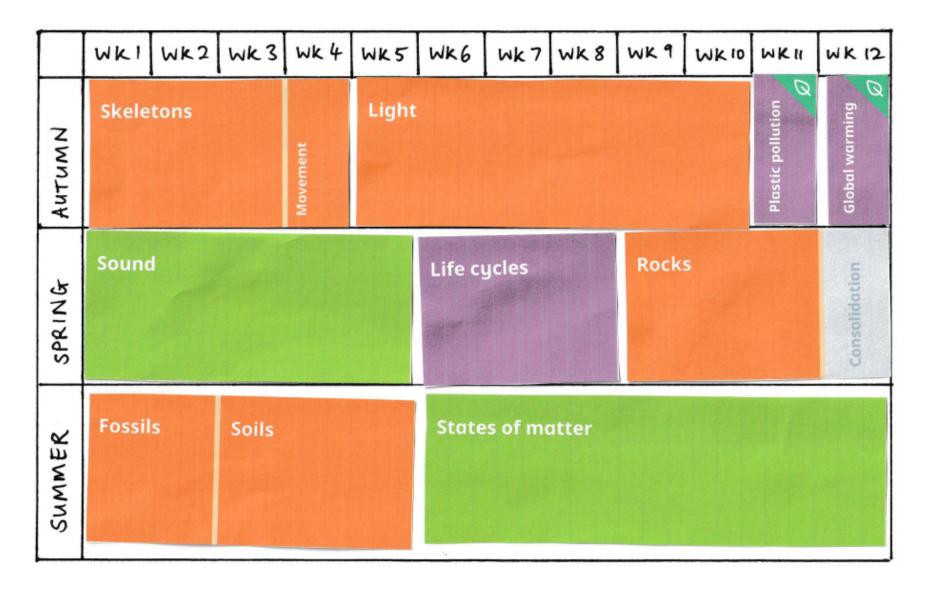
Years 3, 4 & 5

Year B 2024-2025

	WKI	WK2	wk3	WK4	WK5	WK6	Wk7	WK8	WK 9	WK10	WKII	WK 12
AUTUMN	Prope	rties of	materi	ials	Nutrition and diet				and cl things	Consolidation		
SPRING	Habitats Forces				Food	chains	Animo	als incl	uding h	umans		Energy Ø
SUMMER	Electricity				Repro	ductio	n A	Consolidation	Reprod B	luction	Food waste	Consolidation

Years 3, 4 & 5

Year C 2025-2026



Year 6

Every Year

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn term	Living	j things	and th	ieir hal	oitats	Electr	Renewable energy					
Spring term	Light			Light pollution	The ci	irculato m	ory	Diet, lifest	drugs o yle	ınd		
Summer term	Variation Adaptations						Fossil	S	Consolidation		ed proj 7 read	