

Kildwick CE Primary School Rolling SCIENCE Long Term Plan



EYFS Development of scientific skills and knowledge. Every year.

Autumn 1 Intent Vocabulary Implementation	<p>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.</p> <p>animals, mini beasts, habitats, oceans, ponds, forests, woodland, urban, camouflaged, survival.</p> <p>Exploring animals and labeling them. Exploring what animals need to survive and how that changes depending on the environment they are in.</p>
Autumn 2 and Spring 1 Intent Vocabulary Implementation	<p>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.</p> <p>Material, wood, plastic, glass, metal, paper, recyclable, hard, soft, rough, smooth, shiny</p> <p>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.</p>
Spring 2 Intent Vocabulary Implementation	<p>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.</p> <p>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</p> <p>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.</p>
Summer 1 Intent Vocabulary Implementation	<p>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.</p> <p>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</p> <p>Exploring plants and the parts of the plants, looking at life cycles of plants, identifying plants.</p>
Summer 2 Intent Vocabulary Implementation	<p>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).</p> <p>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,</p> <p>Identifying, observing and exploring British animals – in person, through books, videos etc.</p>

Years 1 & 2

Year A 2023-2024

	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12
AUTUMN	Seasonal changes (autumn)	Animal needs for survival				The human body					Consolidation	Seasonal changes (winter)
SPRING	Planting A	Materials				Caring for the planet		Consolidation			Planting B	Seasonal changes (spring)
SUMMER	Plants				Planting C	Growing up				Growing up	Seasonal changes (summer)	

Years 1 & 2

Year B 2024-2025

	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	WK 9	WK 10	WK 11	WK 12
AUTUMN	Seasonal changes (autumn)	Living things and their habitats							Humans		Consolidation	Seasonal changes (winter)
SPRING	Planting A	Materials				Plants (light and dark)			Light and dark	Seasonal changes (spring)	Planting B	
SUMMER	Animals					Planting C	Plants (bulbs and seeds)		Bulbs and seeds	Seasonal changes (summer)	Consolidation	

Years 3, 4 & 5

Year A 2023-2024

	WK1	WK2	WK3	WK4	WK5	WK6	WK7	WK8	WK9	WK10	WK11	WK12
AUTUMN	Forces					Data collection A	Space					Biodiversity
SPRING	Reversible and irreversible changes				Data collection B	The digestive system					Magnets	
SUMMER	Data collection C	Plants A					Deforestation	Plants B	Consolidation			

Years 3, 4 & 5

Year B 2024-2025

	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10	Wk 11	Wk 12	
AUTUMN	Properties of materials				Nutrition and diet			Group and classify living things			Consolidation		
SPRING	Habitats		Forces		Food chains		Animals including humans					Energy	
SUMMER	Electricity				Reproduction A			Consolidation	Reproduction B		Food waste	Consolidation	

Years 3, 4 & 5

Year C 2025-2026

	WK 1	WK 2	WK 3	WK 4	WK 5	WK 6	WK 7	WK 8	WK 9	WK 10	WK 11	WK 12
AUTUMN	Skeletons			Movement	Light						Plastic pollution	Global warming
SPRING	Sound				Life cycles			Rocks		Consolidation		
SUMMER	Fossils		Soils		States of matter							

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 things and their habitats						Electricity						Renewable energy
Spring term	Light					Light pollution	The circulatory system			Diet, drugs and lifestyle			
Summer term	Variation		Adaptations				Fossils		Consolidation	Themed projects (Year 7 ready)			