CRST Primary Curriculum Science

Science Long-Term Sequence			
EYFS Foundational Knowledge: • Plants • Animals including Humans • Everyday materials • Seasonal change • Environmental change • Forces and how things work • Working scientifically	**Substantive Concepts:** ▪ Biology ▪ Physics	**Disciplinary Knowledge KS1:** • Asking simple questions • Observing closely, using simple equipment • Performing simple tests • Identifying and classifying • Using their observations and ideas to suggest answers to questions • Gathering and recording data to help in answering questions	**Disciplinary Knowledge KS2:** • Ask relevant questions • Set up enquiries, comparative and fair tests • Make accurate measurements using a range of equipment • Gather, record, classify and present data in a variety of ways • Record findings • Report on findings • Use results to draw simple conclusions • Identify differences, similarities or changes

	Autumn	Spring	Summer
Nursery	Name simple human body parts Learn how to look after our bodies (e.g. washing hands, brushing our teeth) Explore day and night	Talk about how materials can change (making porridge and pancakes) Name simple animal body parts	Know that fruit and vegetables are plants and how the grow and change over time. Begin to understand how humans need to look after the environment and the part we all play.
Reception	Know that people change as they grow Name human body parts Know different materials are used for different purposes Explore light and dark Explore seasonal changes	Begin to understand human impact on the environment Name animal body parts Changing materials - making pancakes Choose different materials for a specific purpose Explore seasonal changes	Begin to understand the life-cycle of plants and animals Name simple parts of a plant Explore seasonal changes

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Year 1	Seasonal changes and daily weather Introduce Plants including trees Introduce Animals, including Humans	Introduce Everyday materials Animals, including humans: Classification	Plants Revisit animals including humans.
Year 2	Introduce Living things and their habitats Animals, including humans: Characteristics	Uses of everyday materials Revisit living things and their habitats	Plants: Characteristics Revisit living things and their habitats/ Everyday materials.
Year 3	Rocks Animals, including humans: Nutrition and skeletons	Forces and magnets Plants: Functions of parts	Light Revisit Animals including humans
Year 4	Living things and their habitats: Classification States of matter	States of matter (continued) Animals, including humans: Digestive system and Food chains	Electricity Sound