Science Long Term Planning
Shine Brightly

Science at Abbey is taught as part of Understanding the World in the EYFS and as a discreet weekly lesson within Key Stage 1. KS1 units are taught over weeks and not terms.

Nursey	**All about me** Use all their senses in hands-on exploration of natural materials. Seasonal Autumn Begin to make sense of their own life-story and family's history. Understand the key features of the life cycle of a plant and an animal.	**Celebrations of light** Use all their senses in hands-on exploration of natural materials. Explore collections of materials with similar and/or different properties. Talk about the differences between materials and changes they notice.	**People who help us** Polar Habitat	**We love reading** Different materials to make houses	**New Life** Growing plants On the farm-growing animals	**The Seaside and Summer** Under the sea Summer
Reception	**All about me** Theme: All About Me & Seasonal Change (Autumn) Explore body parts and senses Notice changes in Autumn (leaves, weather, daylight) Begin to talk about family and life cycles (humans) Key skills: Observing closely Using simple vocabulary (e.g., soft, cold, rough) Activities: Nature walks to collect leaves	**Celebrations of Light** Theme: Light & Dark Explore light sources (sun, torches) & Seasonal Change (Winter) Understand day vs night Shadow play Notice changes in Winter (leaves, weather, daylight) Key skills: Asking questions ("What happens if...?") Making simple predictions Activities: Shadow tracing	**Once Upon a Time** Theme: Growth & Change Planting seeds and observing growth Basic needs of plants (water, light) Life cycles (plants, chicks, frogs if possible) Key skills: Noticing change over time Recording through drawings Activities: Grow beans Keep a simple growth diary	**Signs of Spring** Theme: Weather & Environment & Seasonal Change (Spring) Daily weather tracking Hot vs cold environments Caring for the planet Notice changes in Spring (leaves, weather, daylight) Key skills: Identifying patterns Talking about changes Activities: Make a weather chart Ice melting investigation	**All around the World** Theme: Minibeasts & Habitats Explore bugs and their environments Understand basic habitats Key skills: Respecting living things Observational drawing Activities: Bug hunts Build a bug hotel Observe worms/snails	**Pirates and Mermaids** Theme: Materials & Seasonal Change (Summer) Explore different materials (wood, plastic, metal) Simple properties (hard/soft, waterproof) Notice changes in Summer (leaves, weather, daylight) Key skills: Sorting and grouping Testing ideas Activities:

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	Sorting objects by texture Taste/smell tests (safe foods)	Dark den exploration Torch investigations	Compare healthy vs neglected plants			Waterproof investigation Floating and sinking Junk modelling
Year 1	Animals including Humans (8 weeks)	Everyday Materials (7 weeks)	Sustainability Growing and Sourcing Food (5 weeks)	Seasonal Changes (8 weeks)	Plants (6 weeks)	Sustainability Animals and Environments (5 weeks)
Year 2	Animals including Humans (7 weeks)	Uses of everyday materials (7 weeks)	Sustainability Reuse and Recycle (5 weeks)	Living things and their Habitat (7 weeks)	Plants (7 weeks)	Sustainability Deforestation (5 weeks)