How the EYFS at Ashton Gate Primary School provides the foundations for scientific understanding



How the Early Years Foundation Stage provides the foundations for scientific understanding

- Which EYFS areas of learning provide the foundations and background for NC science?
- What is the foundational knowledge that supports the curriculum intent in this subject?
- How does this link across other areas of learning in EYFS both specific and prime, e.g. CLL, PSED, PD?
- How is the learning sequenced so that it is meaningful to young learners? How is it linked to children's current and ongoing experience and understanding of the world?
- How does the environment support the learning and development, e.g. adult/child interactions, small world resources, books, outdoor learning environment, experiences out and about?
- How will this be monitored by subject leaders?

What is the National Curriculum subject content that is supported by the EYFS provision and practice? Science

- Key stage 1 pupils should develop a range of different scientific skills and understanding. They should develop an understanding of all living things, how they live and the impact on human life. Children will also learn about materials both natural and person made. They will learn about different types of enquiry and how to work scientifically on their own and in a group.
- Plants
- Animals, including humans
- Materials
- Seasonal changes
- Scientific enquiry
- Working scientifically

	Play and exploration	experiences that support the Foundation	onal Knowledge and skills for the Subject
Continuous Provision Play experiences with provocations for geographical based thinking and talk	Core Books that link to foundational experiences & knowledge	Possible Adult-planned experiences and contexts for interactions that support thinking about the world around us	Key Vocabulary that might be introduced & practised in interactions in play /activities
 Sensory play and observation (water, ice, sand) Small world – animals, dinosaurs, habitat based play Magnifying glasses, collecting pots, tweezers 	 Rebel girls/ Women in Science Ada Twist Tad The Lighthouse Keeper's lunch Stick man Here we are 	 Cooking (non-reversible change) Making playdough Planting Floating and sinking Design challenges What is a question? I Wonder Why enquiries Experiments based on interests Bean diaries 	 Leaf, steam, petal, seed, fruit, roots, oxygen, light, grow, tree, bush, vegetable, alive Insect, mammal, reptile, amphibian, fish, bird, breath, move, functions of being alive, habitat, environment, desert, arctic, forest, rainforest, nocturnal, egg, Skeleton, muscle, organs, growth, change, age, senses, Seasons, months, Spring, Summer, Autumn, Winter, evergreen, deciduous, weather, moon, space, universe, lightening, tornado, volcano, storm, river,
• Role play – test tubes, goggles, predictions	Monkey Puzzle	Observational/growth mindset drawings	 Hard, soft, rough, freeze, boil, gas, heavy, light, transparent, waterproof, melting, cracking, breaking

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Prompts for discussion