

Science Curriculum Overview

At Alec Reed we want our children to be naturally curious about the world around them. Our curriculum has been developed through a rich range of teaching resources with coverage of the National Curriculum and it allows children to foster a sense of wonder about natural phenomena. We are committed to providing a stimulating, engaging and challenging learning environment. Throughout our school children are encouraged to develop and use a range of working scientifically skills including questioning, researching and observing for ourselves. We promote and celebrate these skills. We want our children to have a broad vocabulary. Scientific language is to be taught and built upon as topics are revisited in different year groups and across key stages. We intend to provide all children regardless of ethnic origin, gender, class, aptitude or disability with a broad and balanced science curriculum.

1	Free Flow Understanding the world	Human Body: Using our senses How do we use our senses?	Our changing world: changing seasons How do seasons change the weather?	Everyday materials What are things made of?	Plant detectives What is a plant? Our changing world: Plants How do plants grow?	Looking at animals How can we classify animals?
2	Habitats What is a habitat and what lives there?	Materials What are things made of?	Take Care How do we look after ourselves?	The Apprentice Gardener What do plants need to help them grow?	Our Changing World How do animals change?	Growing Up How do we grow and change over time?
3	Plants How does your garden grow?	Light and shadows Can you see me?	Amazing bodies How do we keep ourselves alive?	The power of forces How do objects move?	Rock detectives What is the Earth made of?	Our changing world: Plants What do plants need to survive?
4	Our changing world: Living things / Habitats How are living things sorted into categories?	Where does all that food go? How does our digestive system work?	Electricity: switched on What can electricity do?	In state How can you tell if something is a liquid, a solid or a gas?	Human Impact How do humans affect the environment?	Good vibrations How is sound produced?
5	To boldly go Does the sun effect the shadows?	Forces Does the weight of an object change in water?	Get sorted / Everyday materials Which material is the best insulator?	Marvellous Mixtures / All change What happens when we mix materials?	Circle of life What is a life cycle?	Reproduction in plants and animals What conditions does a plant grow best in?
6	Light up your world How do we see things?	Danger! Low voltage What makes a complete circuit?	Body pump What is the role of the circulatory system?	Body health What does it mean to be healthy?	The Nature Library How can we classify animals?	Everything Changes How did the world evolve?