

Leechpool Primary School
Science Long Term Overview 2024-2025

EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Observing surroundings	Seasonal Changes; Everyday Materials	Animals, including Humans	Rocks	Living Things and their Habitats	Living things and their Habitats	Animals including Humans.
Seasonal changes	Plants	Uses of Everyday Materials	Forces and Magnets	Electricity	Animals including humans.	Living things and their habitats.
Changes in states of matter	Animals, including Humans	Living Things and their Habitats	Light	Sound	Forces	Light
Space	Everyday Materials	Plants	Plants	States of Matter	Earth and Space	Electricity
Plants	Seasonal Changes	Animals, including Humans	Animals including Humans	Animals, including Humans.	Properties and Changes of Materials	Evolution and Inheritance
Animals						

At Leechpool our Science is split into five key blocks across the academic year. Each block in KS2 comprises of seven key learning objectives, and an eighth consolidation lesson, to allow for accurate and impactful coverage across the academic year.

Progression of key blocks across KS1 and KS2.

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<i>Animals including Humans</i>	Carnivores, herbivores, omnivores, animal groups	Basic needs, exercise, human growth	Importance of nutrition, body parts (skeleton, muscles)	Digestive system, food chains, teeth	Growth and development of humans, gestation periods	Circulatory system, diet, exercise, lifestyle, nutrient/water transportation
<i>Plants</i>	Identify/name common plants, structure of plants	Seed growth, plant survival	Function of parts of a flower, water transportation, importance of flowers			
<i>Living things and their Habitats</i>		Food chains, food sources, habitats		Classification keys, changes in environment	Lifecycles of a mammal, an amphibian, an insect and a bird, reproduction in some plants and animals	Classification, micro-organisms

Forces			Friction, magnetic forces		Gravity, air resistance, water resistance, friction, mechanisms	
Materials	Identify, name, describe, compare and group together everyday materials	Suitability of materials	Types of rocks, properties, fossils, soil	Solids, liquids, gases and water cycle	Everyday materials, separating mixtures, reversible and irreversible changes	
Light			Describe how we see objects in lights and can describe dark as the absence of light, transparent, translucent, and opaque and how shadows are formed			Describe how light travels, how light travels in straight lines past translucent or opaque objects to form a shadow of the same shape.
Electricity				Simple circuits, conductors, insulators		Controlling circuits using different components, make circuits to solve particular problems

Sound				How sound is made, pitch, volume, the ear		
Earth and Space					Movement of Earth, Moon and other planets, day and night	
Evolution and Inheritance						Adaptation, offspring.
Seasonal Changes	Name four seasons and identify when in the year they occur, observe and describe weather in different seasons, describe days being longer in summer and shorter in winter.					