Science LTP Whole School

Yr	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5
R	Explore the natural world around them, making observations and drawing pictures of animals and plants. Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.				
1	Living things and their habitats - Plants (name plants, deciduous, evergreen, basic plants, including trees) ***Can I group plants?***	Animals including Humans (naming animals, body parts) ***Can you name all the animals in the world?***		Everyday Materials (identify and name; wood, plastic, glass, ,metal, water and rock) ***Can I ask questions about materials?***	Seasonal changes (observe changes in weather, seasons and how day length varies) ***How has the weather changed since I've been in Year 1 across the four seasons?***
2	Uses of Everyday Materials (suitability, stretch, bend) ***What is the best material to make an umbrella and why?***	Living things and their Habitats (habitats) ***How do I know if a habitat is well suited to an animal?***	Animals, including Humans (offspring, basic needs, exercise) ***Why is exercise important for animals and humans?***	Living things and their habitats – Plants (seeds/bulbs into plants, observe water, light, temp) ***How do plants stay alive?***	
3	Rocks (fossils, organic matter) ***How is soil made?***	Light (dark, reflection, sun, shadows change) ***What makes shadows change?***	Animals, including humans (nutrition, skeletons, muscles) ***Why do we need a skeleton?***	Living things and their habitats - Plants (parts, requirements to grow, water) ***How does water and nutrients travel through plants?***	Forces and Magnets (magnets) ***How do magnets work?***
4	States of Matter (solids, liquids, gases, changes in state, water cycle) ***Why do states of matter, matter?***	Electricity (common appliances, simple circuits, conductors, insulators) ***How does electricity work?***	Animals, including humans (digestive system, teeth, food chains) ***What is the purpose of teeth?***	Sound (vibrating, ear, pitch, volume) ***How do you vary the pitch and volume of sound?***	Living things and their Habitats (grouping, classification keys, environments) ***How does a habitat impact a living thing?***

5	Forces (gravity, resistance, friction, mechanisms) ***Why don't people fly?***	Animals, including Humans (human life cycle) ***How do humans change over time?***	Living things and their Habitats (life cycle of animals, reproduction in plants & animals) ***How do animals reproduce?***	Materials (group materials, dissolving, separating, everyday uses) ***Can I make all materials disappear?***	Earth and Space (earth, sun, moon, planets, day and night) ***What makes the world turn round?***
6	Living things and their habitats (classifying plants and animals) ***How do I classify living things?***	Electricity (symbols for circuits, brightness of bulbs, compare and give reasons for variations) ***Why does electricity matter?***	Light (travels in straight lines, colour in light, reflected) ***Can light bend and change colour?***	Animals, including humans (circulatory system, heart, lungs, blood, diet, exercise, water, nutrients) ***Why do we have blood?***	Evolution and inheritance (living things change over time, offspring are not always identical, adaption leads to evolution) ***Where have we come from?***

KEY **Living things and their habitats** **Animals including humans** **Materials** **Changes** **Light** **Forces** **Electricity** **Sound** **Earth and space**