

SCIENCE CURRICULUM OVERVIEW:

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1 Seasonal Change	Animals including humans. Human and animal body parts. Animal body parts. Senses. Pictograms.	Animals including humans. Pets Carnivores, omnivores and herbivores. Group Animals. Local Environment. Farm Environment.	Everyday Materials. Materials Properties Man- Made or Natural Three Little Pigs	Everyday Materials. Building Materials Best Material Paper Floating and Sinking Why things float.	Plants. Plants Wild Plants Garden Plants Local Walk Main Parts	Plants. More plant parts Observational Drawing Seasonal Changes Harvest
2 Plants.	Uses of everyday materials. Material properties Uses Fabric Suitable Fabrics Scientists –investigation Forces Plastics Recycling plastics New uses.	Plants Plants Germination and growth requirements. Seeds Inside a seed Leaves Walk in the environment Bulbs Plant enquiry	Living things and their habitats. Alive or dead Life processes Living v non- living Habitats Dependency	Living things and their habitats. Local habitats Other habitats Habitat enquiry Food chains.	Animals including humans. Our Bodies Frog Life Cycle Food Groups Keeping Fit	Animals including humans. Butterfly life Cycle. Chicken Life Cycle. Basic Needs Balanced Diet Hygiene.
3 Plants	Rocks Rock detectives Under our feet Volcanoes Rock investigations Explore investigations Fossils Properties of soil Soil investigation	Animals including humans. Food Groups Balanced diet Transport Skeletons Compare skeletons Muscles and Joints Effect of exercise.	Forces and Magnets. Pushes and Pulls Different surfaces Natural magnets and compasses. Magnetic materials.	Forces and Magnets. Attract and repel. Uses of magnets Magnet enquires. Working Scientifically & being scientific. Research a Scientist.	Plants. Structure and function. Photosynthesis Soil nutrients Water transportation Plant life cycle Seed dispersal	Light. Light and Darkness Reflection Mirrors Sun Shadows Transparency Enquiries
4 Living things and their habitats.	Living things and their habitats. Habitats Classification Mini-beasts Classification Keys Food Chains and Webs Effects of change Management.	Electricity Mains electricity V batteries Electrical conductors Cables and plugs	Electricity Switches Brighter bulbs	Animals including humans. Digestion Digestive System Animal Diets Teeth Tooth Decay Egg shell enquiry Producers, predators and prey. Food webs	States of Matter Solid liquid or gas. Temperature Using a thermometer Changing States Evaporation and condensation Water cycle Air	Sound Introduction to sound Vibrations Hearing sounds Investigate soundproofing Pitch and loudness Musical instruments.
5 Living things and their habitats.	Earth and Space Earth moon and sun Day and Night Eclipses and seasons Moon phases Stars Planets Solar System	Properties and changes of materials Properties Solubility Separating Mixtures Thermal conductivity Irreversible changes Heating and burning New materials	Forces Gravity Opposing Forces Friction	Forces. Air resistance Water resistance Mechanical Devices	Living things and their habitats. Flowering plants Non flowering plants Mammals Birds Amphibians and insects	Animals including humans. Life cycles Babies Flour Babies Growth Puberty (physical changes) Puberty (emotional changes) Pregnancy Life choices.

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6	Electricity Revision Circuit diagrams Circuit repairs Wires Cells Series and Parallel Challenges Control technology	Light Light travels in straight lines Shadows Eyes Reflection and refraction Colours Light investigations	Animals including humans. The heart Double circulation The lungs Healthy Bodies	Animals including humans. Blood Effect of exercise on pulse rate Staying Healthy.	Living things and their habitats Early classification Linnaeus Levels Micro-organisms Identification Classification Keys Research	Evolution and inheritance. Changes over time Mary Anning Offspring Evolution Darwin, Wallace and Mendel Plant adaptation Animal adaptation Advantages and Disadvantages
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