

Springfield Primary Academy Curriculum Long Term Overview - Science

Cycle	Cycle A						Cycle B					
Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	My World	Seasons and Celebrations	Wonderful Weather	We are Heroes	Terrific Tales	Watch It Grow						
FS	Key concepts: Senses, oral hygiene, parts of the body	Key concepts: Seasons- Autumn	Key concepts: Seasons- Winter Weather Animals (Polar) Changing state	Key concepts: Seasons - Spring	Key concepts: Seasons- Summer Materials & their properties	Key concepts: Life cycles (chick and caterpillar) Plants						
KS1	Uses of Everyday Materials		Animals including humans	Seasonal changes	Plants	Living Things and their habitats	Materials		Animals including Humans and	Seasonal Changes	Plants	Living Things and their Habitats.
	Key concepts: Identify, compare and group materials. Changes in materials.		Key concepts: Grouping animals. Carnivores, herbivores, omnivores. Human body parts. Senses.	Key concepts: Weather and seasons. Growing and changing – healthy eating.	Key concepts: Structure of plants and trees. Naming plants and trees.	Key concepts: Living, dead, alive. Identify and name plants and animals. Food chains. Habitats.	Key concepts: Identify, compare and group materials. Changes in materials.		Key Concepts: Grouping animals. Carnivores, herbivores, omnivores. Human body parts. Healthy eating and exercise.	Weather and Seasonal changes.	Key Concepts: Structure of plants and trees. Naming plants and trees. Seeds and bulbs. What plants need to grow.	Key concepts: Living, dead, alive. Identify and name plants and animals. Food chains. Habitats. Microhabitats.
LKS2	Forces and Magnets	Sound	Plants	Animals Including Humans Living Things and habitats	States of Matter	Living things and their habitats	Animals including Humans	Animals including Humans	Light	Electricity	States of Matter	Rocks
	Key concepts: Friction and magnetism	Key Concepts: Vibrations, Patterns, volume and pitch	Key Concepts: Structure and function. Reproduction and transportation.	Key concepts: Food chains, producers, predators and prey. Changing environments.	Key Concepts: Solids, liquids and gases. Water cycle. Heating and cooling.	Key concepts: Grouping and classification keys.	Key concepts: Skeleton and muscles	Key concepts: Teeth, digestive system and nutrition	Key concepts: Light sources, reflection, sun safety and shadows.	Key concepts: Simple circuits. Lamps and switches. Conductors, insulators.	Key concepts: Compare & group materials. Solids, liquids and gases. Changes of state. Irreversible changes.	Key concepts: Compare and group rocks. Soil and sand formation. How fossils are made.
UKS2	Properties and changes of materials	Light	Living Things and their habitats	Evolution and Inheritance	Animals including humans	Animals including Humans, Living Things and Habitats	Properties and changes of materials	Earth and Space	Forces	Animals including Humans	Electricity	Properties and changes of materials
	Key concepts: Grouping materials. Uses of materials.	Key concepts: How light travels. Shadows. Parts of the eye.	Key concepts: Classification, microorganism, plants and animals.	Key concepts: Fossils, offspring, adaptation.	Key concepts: Circulatory system, Nutrients and water.	Key concepts: Impact- diet, exercise, drugs and lifestyle. Lifecycles and reproduction.	Key concepts: Dissolving, separation. Reversible and irreversible changes.	Key concepts: Movement of Earth and moon. Spherical bodies. Day and night.	Key concepts: Gravity. Air and water resistance. Friction. Mechanisms.	Key concepts: Changes in humans.	Key concepts: Circuits, components and symbols	Key concepts: Electrical conductivity, reversible and irreversible changes.