

HEP Science KS1 and KS2 Curriculum Map.



KS1 & KS2 Curriculum Table

Year	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Plants	Human Body Parts	Everyday Materials	Animal Groups	Animals Diets	Seasonal Changes
	Identify and describe common plants; observe plant parts and growth	Identify and label basic body parts; associate body parts with senses	Identify and classify everyday materials; describe and compare their properties	Identify and classify animals into groups (mammals, birds, fish, etc.); compare animal characteristics	Classify animals by diet (herbivores, carnivores, omnivores); relate physical characteristics to diet	Observe and describe seasonal changes; record weather patterns and how they affect living things
2	Growing Plants	Uses of Everyday Materials	Animal Needs	Local Habitats	Habitats & Microhabitats	Food Chains and Health
	Observe how seeds and bulbs grow; learn about plant needs (water, light, temperature)	Compare the suitability of materials for different uses; explore how materials change shape	Learn about animal life cycles; understand basic needs of animals and humans (food, water, air)	Distinguish between living, dead, and never alive; explore local habitats and how they meet needs	Investigate different habitats and microhabitats; understand how conditions affect living things	Create simple food chains; learn about human health and the importance of a balanced diet
3	Plants	Rocks	Light	Animals including humans	Forces and magnets	Bee project
	Parts of plants, needs of plants and their life cycle	Comparing different rocks, fossils, soil formation	Light sources, how light is reflected off objects, how shadows form, changing shadows, eye protection	Nutrition, Musculoskeletal system for support, movement, and protection	Non-contact forces, attraction and repulsion of magnets, magnetic materials and the N and S pole of magnets	A look at the relationship between bees and their environment; importance in pollination, food and other resources
4	States of matter	Animals including humans	Sound	Living things and their habitats	Electricity	The History of Science
	Group materials based on their properties, changes of state, heating and cooling, the water cycle	Eating, teeth, digestive system and food chains, producers, predators and prey	Making sounds, vibrations, the ear, changes in pitch and volume	Classification, characteristics, and the effects of environmental changes	Appliances, building circuits and identifying components, circuit diagnostics, conductors and insulators	This unit focuses on the development of scientific theories by a diverse range of scientists and inventors, both historical and contemporary
5	Properties and changes of materials	Animals including humans	Forces	Living things and their habitats	Earth and space	The Scientific Method
	Classifying materials, Dissolving,	Life cycles, plant and animal	Gravity, air resistance, water	Classifying living things, Life cycles of mammals,	The movement of Earth, other planets and the	The unit looks at the steps that scientists follow

HEP Science KS1 and KS2 Curriculum Map.



	separating and changes of state, uses of materials, reversible and irreversible changes	reproduction, human life cycle	resistance and friction between moving surfaces, multiplying forces using levers, pulleys and gears	amphibians, insects and birds	Moon in relation to the Sun and each other, spherical bodies, night and day	when thinking about a problem and how to solve it
6	Animals including humans	Science of Light	Electric Circuits	Evolution and inheritance	Classifying Living Things	Transition Unit
	The circulatory system, lifestyle, health and disease; transport of water in animals	How light travels, how we see objects, the shape of shadows	The effects of changing the number and voltage of cells in a circuit; varying the function of components; representing circuits using symbols	What we learn by looking at fossils; variation, reproduction and adaptation. Evolution	Classifying microorganisms, plants and animals	Introduction to cell biology, energy forms and transformations, properties of materials, forces, and basic principles of chemical reactions