

Key stage 1 Science Cycle A

Topic	Science (National Curriculum)
Throughout the year S4	Longitudinal study: The Weather
Toys around the World S3 S8	Forces and movement - distinguish between an object and the material from which it is made - identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock - describe the simple physical properties of a variety of everyday materials - identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses - find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
Explorers S2 S7	- Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense. - notice that animals, including humans, have offspring which grow into adults - find out about and describe the basic needs of animals, including humans, for survival (water, food and air) - describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.
Giants S1 S6	Trees - Why are trees important? - Different types of tree. - Native trees in the UK. - Tree life cycles and deciduous and evergreen. - Interesting trees from around the world.
New life S7	Plants: (germination) - identify and describe the basic structure of a variety of common flowering plants, including trees. observe and describe how seeds and bulbs grow into mature plants (focus on germination) Animal life cycles Life cycles of animals including chickens - notice that animals, including humans, have offspring which grow into adults - find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
Africa S5	Adaptation identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other

S2	• identify and name a variety of plants and animals in their habitats, including micro-habitats • describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food. • identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals • identify and name a variety of common animals that are carnivores, herbivores and omnivores • describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)
Castles S3 S8 S5	Materials used in building castles/ making crowns etc (Topic link: design and build a siege weapon) • distinguish between an object and the material from which it is made • identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock • describe the simple physical properties of a variety of everyday materials • compare and group together a variety of everyday materials on the basis of their simple physical properties. • identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses Pull together longitudinal study

Key Stage 1 Science Cycle B

Topic	Science (National Curriculum)
Throughout the year S4	Longitudinal study: Trees
Our Location S1 S5	Local habitats around the school - identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Minibeasts - identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other - identify and name a variety of plants and animals in their habitats, including micro-habitats - describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.
Dinosaurs S2 S5	Identify and name dinosaurs Classify as carnivore or herbivore Study basic structure of dinosaurs - describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) and dinosaurs. - identify and name a variety of common animals that are carnivores, herbivores and omnivores - explore and compare the differences between things that are living, dead, and things that have never been alive - describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.
Once upon a time S1	Plants: (germination) identify and describe the basic structure of a variety of common flowering plants, including trees. observe and describe how seeds and bulbs grow into mature plants (focus on germination) Animal life cycles Life cycles of animals including chickens
Fire, fire! S3	Uses of materials, changing materials (Topic link: Build a house for the great fire of HBT) - distinguish between an object and the material from which it is made - identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock - describe the simple physical properties of a variety of everyday materials

S8	• compare and group together a variety of everyday materials on the basis of their simple physical properties. • identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses •
From dusk 'til dawn S4 S8	Shadows and seasonal changes: • observe changes across the four seasons • observe and describe weather associated with the seasons and how day length varies. • identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses (shadow puppets done in TOPIC) • notice that animals, including humans, have offspring which grow into adults. find out about and describe the basic needs of animals, including humans, for survival (water, food and air).
Treasure Island S3 S8	Floating and sinking (Topic Link: Experiment with different materials to make a pirate ship) • distinguish between an object and the material from which it is made • identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock • describe the simple physical properties of a variety of everyday materials • compare and group together a variety of everyday materials on the basis of their simple physical properties. • identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses Pull together longitudinal study