



## Year R Science Teaching Sequence

### Autumn A - All about me

- The body
- My senses

To begin developing our knowledge and understanding of the world we learn about ourselves, our body and how we change as we grow.

### Autumn B - Into the Woods

- Places -explore local environment

Through child initiated learning we encourage exploration and curiosity in ourselves and in our world. We compare the features of different environment and how they vary.

### Spring A - Once upon a story -

Embed previous half terms learning

Gingerbread man experiment - what happens to GB man in water - introduce what we think will happen and then testing

### Spring B - Let it grow

- Plants and growth
- Bean diary
- Life cycles of animals

In this half term we build upon our previous learning and compare changes in ourselves to changes in plants and animals.

Flower in food dye experiment

### Summer A - Superheroes

- materials

We will look at different materials and their purposes. We will test different materials and what they can be used for choosing based on our results. Opportunities for experimenting and questioning.

### Summer B - Away at Sea

- Floating and sinking
- Ice investigation

With our growing scientific knowledge we are now able to develop our investigation skills and identify similarities and differences in our world.



### Year 1 Science Teaching Sequence

Autumn A - This is who: Who am I?

- The body
- Our senses

In this half term science teaching builds upon the learning in Year R by exploring science through ourselves.

Autumn B - This is me: Who are we?

- Healthy eating

We learn about ourselves in a wider context to deepen our understanding.

Spring A - Long, long ago - Fairy tales

- Animal groups
- The structure of animals

In this half term we begin to reflect upon and apply previous learning to make comparisons between ourselves and other living things.

Spring B - Long, long ago: Back in time.

- Materials

We now start to widen our scientific knowledge and carry out investigations. Whilst exploring materials we notice that objects around us are made up of different things, some of which were once living.

Summer A - Our amazing planet: Save our planet

- Plants and trees
- Growth

During this half term we learn more about living things and that it is not only animals that are alive.

Summer B - Our amazing planet: Eco-Warriors

- Habitats
- Living, dead or never alive

To conclude the learning in Year One we explore how living things live together and the impact each has on one another.

Ongoing teaching: Across the year we learn about the seasons, identifying changes that happen and why.



## Year 2 Science Teaching Sequence

### Autumn A - Jumping back in time - Dinosaurs

- Living and Non-Living
- Plants and animals in their habitats
- Food chains

To begin the year we consolidate previous learning with a focus on living things. We begin explore how plants and animals survive within a habitat.

### Autumn B - Jumping back in time - Space

- Offspring
- Basic needs for survival
- Exercise, food and hygiene

In this half term we make links to ourselves and consider the things that we as humans need to live healthy lives.

### Spring A - Mixed up tales and set sails - Traditional Tales

- Materials

Building upon our learning in year 1 we learn about the uses of materials and begin to consider the impact of this on habitats.

### Spring B - Mixed up tales and set sails - Nelson

- Lifecycles

Next we consolidate previous learning with a focus on science through ourselves and have the opportunity to apply this learning to the lifecycles of animals.

### Summer A - Circle of Life - Kenya

- Plants

During this half term we draw upon our knowledge of natural materials and learn about categories of living things. We consider how these co-exist with humans and animal within the wider world.

### Summer B - Circle of Life - Circus

- Habitats
- Microhabitats

At the end of Year Two return to our learning about habitats and consider the dependency of living things on each other. This takes us full circle, allowing us to reflect upon our place in the Earths eco-system.