

# Newquay Primary Academy – Spring Term 2 Sequence– Science



## RECEPTION

*I wonder what moves*

**Prior knowledge...**

The children can talk about what they see, using a wide vocabulary.

## YEAR 1

*Animals including humans*

**Prior knowledge...**

The children can use their senses to explore the world around them. The children will be able to explain differences and similarities in mini beasts, seasons, domestic pets and habitats.

## YEAR 2

*Animals including humans*

**Prior knowledge...**

Children have learned about the different parts of the body and their senses. Children will be able to name and identify a variety of common animals.

### INTENT

To explore life in medieval times and compare it with how I live my life (comparing environments). Use my senses to explore the world around me. Experiment and report on forces and materials.

To identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. To identify and name a variety of common animals that are carnivores, herbivores and omnivores. To compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).

To notice that animals, including humans, have offspring which grow into adults. To find out about and describe the basic needs of animals, including humans, for survival (water, food and air). To describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

### VOCABULARY / STICKY KNOWLEDGE

Push, pull, attract, repel, twist, seasons, Winter, Spring, Autumn, Summer, question, describe, compare, test, observe.

Carnivore, Herbivore, Omnivore, fish, amphibians, reptiles, birds, mammals, cold-blooded, warm-blooded, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves.

Offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies (e.g. chick/chicken, kitten/cat, caterpillar/butterfly), survive, survival, water, food, air, exercise, heartbeat, breathing, hygiene, germs, disease, food types (e.g. meat, fish, vegetables, bread, rice, pasta, dairy).

### SEQUENCE OF LESSONS

1. Describe what I can see, smell, hear, and feel when I visit Newquay Orchard to inspire our Spring poem.
2. Compare and contrast how people in the past and people now got from place to place.
3. Describe the forces used when I travel in my vehicle and when I make a hot air balloon.
4. Explore magnets when racing cars and trains.
5. Use talk to help work out problems, organise thinking, explain how things work and why they might happen when we visit Pendennis Castle.

1. Observing animals - To identify and name some common animals.
2. Comparing animals - To describe and compare the structure of a variety of common animals.
3. Animal diets - To identify, name and sort animals that are herbivores, carnivores and omnivores.
4. WOW – Newquay Zoo visit

1. We will learn that animals, including humans, have offspring, which grow into adults.
2. We will find out about and describe the basic needs of animals, including humans, for survival, exploring why animals and humans need water, food and air.
3. We will learn about and be able to describe the importance of exercise, eating the right amounts of different types of food, and hygiene for humans.
4. Then, we will use our knowledge to help us investigate the importance of exercise for humans.
5. We will consider and describe the importance of hygiene for humans.
6. Then, we will perform simple tests to investigate the importance of hygiene. Learning about how soap keeps our hands clean.

### OUTCOME / COMPOSITE

The children will make comments about what they have heard and show case their learning at our Knights Tournament.

We will create an information booklet on the computer to explain what we have learned about identifying, classifying and sorting animals.

We will be able to describe and explain what animals, including humans, need to survive.