

# Newquay Primary Academy – Summer Term 2 Sequence– Science



## RECEPTION

### Prior knowledge...

The children can articulate similarities and difference in discussions about animal habitats, mini beasts and seasons.

## YEAR 1

### Everyday Materials

### Prior knowledge...

The children have explored a variety of materials and have made boats that float successfully using a correct medium.

## YEAR 2

### Everyday materials

### Prior knowledge...

Children have named different everyday materials and identified some of their uses.

## INTENT

The children will take responsibility for their local environment and broaden their knowledge of sea creatures.

To understand that different objects are made from different materials.

To explore the uses of everyday materials. To find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

## VOCABULARY / STICKY KNOWLEDGE

Beach, sea, ocean, rock pool, shell, limpet, crab, crustacean, muscle, fish, material, plastic, wood, waterproof, absorbent, fabric, light, heavy, environment, Summer.

Object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through

Opaque, transparent, translucent, reflective, non-reflective, flexible, rigid, shape, push/pushing, pull/pulling, twist/twisting, squash/squashing, bend/bending, stretch/stretching

## SEQUENCE OF LESSONS

1. Explain similarities and differences about a variety of sea creatures.
2. Explore the natural world around us during beach school when I discover creatures in the rock pools.
3. Make accurate observations when I paint and make sea creatures.
4. Discuss how I can help the planet and understand how important it is when I participate in the beach clean.
5. Experiment with different materials to make a boat that floats.
6. Explore forces when I catch fish with magnet fishing rods.
7. Understand the changes in the Summer and verbalise what I need to do to stay safe when the weather is hotter.

1. I will learn what an object and a material are. We will then distinguish between an object and the material which it is made from and share our thoughts and ideas about why the object has been made from that material.
2. I will identify and name a variety of everyday materials, including: wood, plastic, metal, glass and rock.
3. I will learn that all objects are made of one or more materials. Some objects can be made from different materials and we will explore different examples of this e.g. plastic, metal or wooden spoons.

1. I can compare the suitability of different everyday materials.
2. I can explain how the shapes of objects made from some materials can be changed.
3. I can explain the process of recycling.
4. I can tell you about an inventor.

## OUTCOME / COMPOSITE

The children will be able to explain why we must take care of our oceans during our beach clean and make boats that float successful using a correct medium.

To test a variety of materials and choose suitable materials to make a functioning light house. (DT link)

To create a learner guide about an inventor to share with parents.