

What I should already know : Discuss that certain animals live in farms, woodlands.. Use all their senses in exploration of natural materials. Explore collections of materials with similar and / or different properties. Talk about the differences between materials and changes they notice and know that certain materials can be hard/soft. Explore how and begin to understand why certain materials are better to use for different things. Children already know about the seaside. In global citizenship children learnt about how to look after their environments.

### Enquiry Questions

- Who is David Attenborough?  
What does he do?
- What is a Marine Biologist?  
Who is Rachel Carson?
- What is a food chain?
- How does plastic affect animals in the ocean?
- How can we protect our ocean?
- Can we find out what floats and sinks?

### Key Vocabulary

**affect** - to have an impact on something  
**David Attenborough** - is a scientist who studies animals and their behaviour. and their lives.  
**float** - to rest on the surface.  
**food chain** - a sequence describing how different animals eat each other, showing the order in which living things depend on each other for food.  
**man - made** - Things created by people.  
**Marine Biologist** - study life in the oceans, and sometimes the oceans themselves.  
**materials** - Materials are what objects are made from.  
**natural** - Things that exist in nature and are not made by people.  
**ocean** - a huge body of salt water.  
**plastic** - A material which is light in weight and does not break easily.  
**protect** - to prevent them from being harmed or damaged.  
**Rachel Carson** - was an American marine biologist.  
**sink** - move downward so as to be below the surface.

### Working Scientifically

answer, biology, charts, chemistry, classify, compare, contrast, data, describe, diagram, equipment, group, identify, map, observe, observing, physics, questions, record, sort

### National Curriculum

#### **Pupils will:**

#### **Working Scientifically**

WS1) Ask simple questions and understand they can be answered in different ways.  
 WS2) Observe closely, using simple equipment.  
 WS3) Perform simple tests  
 WS4) Identify & Classify  
 WS5) Use observations & ideas to suggest answers or questions  
 WS6) Gather & record data to help answer questions  
 WS7) Read and spell scientific vocabulary correctly.

#### **Animals including Humans**

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, omnivores and herbivores.

Describe and compare the structure of a variety of common animals.



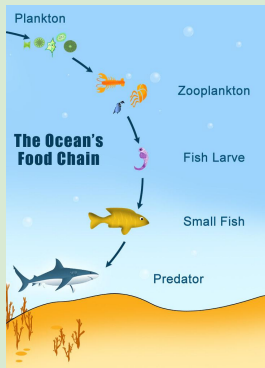
**Sir David Attenborough**

8 May, 1926, in Isleworth, West London



**Rachel Carson**

May 27, 1907 in Springdale, Pennsylvania



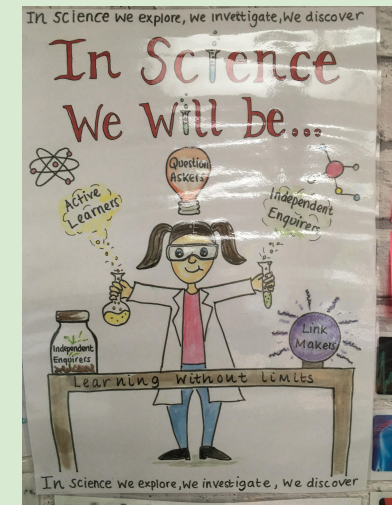
### Materials

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.



Links to Other Areas of the Curriculum: Geography - Coasts and Seas, Global Citizenship. Literacy.