

KSI Poles Apart

Science Knowledge Organiser Terms 3 and 4

Key Enquiry Question: What is life like in a Polar Region?

National Curriculum Objectives: Materials

Year 1: 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

Year 2: Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

Animals including humans / living things and their habitats

Year 1: Identify and name a variety of animals including fish, amphibians, reptiles, birds and mammals.

Identify and name common animals that are carnivores, herbivores and omnivores. Describe and compare the structure of a variety of common animals.

Year 2: explore and compare the differences between things that are living, dead, and things that have never been alive.



Key vocabulary

| Word | Meaning |
|----------|---------------------------------------|
| Material | What something is made of |
| Human | A person |
| Living | Something that is alive |
| Dead | Something that used to be alive |
| Polar | The North or South parts of the globe |

Sticky Knowledge

Some animals live in Polar regions. They usually have thick fur to help to keep them warm.

Animals eat a variety of different things depending on which animal they are.

Materials can be used for different purposes. Some materials are good for insulating, being waterproof or being hard.

Polar regions are very cold. Some materials would be better than others to help us keep warm.