

Go on a journey from the hot equator to the freezing North pole. Why does the climate change so drastically between these regions? Find out and meet some of the animals adapted to living in such climates – watch out for the creepy crawlies!

During this workshop, your pupils will add to their integrated picture of the dynamic nature of Earth, focusing on the changing climates around the globe. Making three stops from the equator to the North pole, pupils explore the rich and changing diversity of living things and develop an understanding of how animals are adapted to their environment for survival. Pupils will effectively contribute in teams to find which bug is their bug, what makes a camel suited to the desert and what walruses use their tusks for!

This workshop enables pupils to:

Develop curiosity and understanding of the environment and my place in the living and physical world.

Demonstrate a secure knowledge and understanding of the big ideas and concepts of the sciences.

Develop as a scientifically-literate citizen with a life long interest in the sciences.

Communicate, collaborate and build relationships through team work.

Establish the foundation for more advanced learning and future careers in the sciences.

Curriculum for Excellence Experiences and Outcomes:

Social Studies – People, place and environment.

By exploring climate zones around the world, I can compare and describe how climate affects living things. SOC 1-12b

By exploring a natural environment different from my own, I can discover how the physical features influence the variety of living things. SOC 1-13b

By comparing my local area with a contrasting area out with Britain, I can investigate the main features of weather and climate, discussing the impact on living things. SOC 2-12a

I can investigate the climate, physical features and living things of a natural environment different from my own and explain their interrelationship. SOC 3-10a

I can investigate the relationship between climate and weather to be able to understand the causes of weather patterns within a selected climate zone. SOC 3-12a

Planet Earth – Biodiversity and interdependence.

I can distinguish between living and nonliving things. I can sort living things into groups and explain my decisions. SCN 1-01a

Planet Earth – Processes of the planet.

I can apply my knowledge of how water changes state to help me understand the processes involved in the water cycle in nature over time. SCN 2-05a