

Useful Websites

<http://www.bbc.co.uk/education/topics/z3pp34j/resources/1>

<http://www.bbc.co.uk/education/topics/z3pp34j/videos/3>

Year 5 and 6 Spring Term Why do some creatures no longer exist?

Subject Focus – Science/Geography
Focus Core Skill – Improving own learning and performance

Using our locality

School grounds for plant study.

SCIENCE:

This term, the children will be exploring **Evolution and Inheritance**. They will discover why certain species have become extinct; investigate Darwin's theory of Natural Selection and identify how adaptation to environmental and human factors brings about change to species. The children will study population data for different species and carry out surveys to investigate key questions. They will also learn about important scientists, such as Darwin and Linnaeus.

COMPUTING:

The children will be using the internet to research key facts and gather data to answer their questions raised in Science. They will also be developing animation skills in order to create a short film to illustrate their understanding of evolution and inheritance.

MATHS LINKS:

Some Maths will be linked through the topic. The children will explore data, calculating mean, median and range. They will also carry out surveys and collate and interrogate the data. Place value will be covered through looking at timelines and dating fossils. Through Geography links, the children will use co-ordinates when studying maps.

Link to Core Values

- Courage - having the courage to stand up for an idea even when others disagree - Darwin
- Respect & Responsibility- respect for the natural world, responsibility regarding conservation – study without harming as a naturalist – e.g. collecting
- Compassion- relate to how ideas of compassion can be challenged – e.g. wildlife film crews filming predators attacking prey – how much we should interfere with nature
- Wisdom -making wise decisions about the way we treat our world through a deeper understanding of how it is constantly changing

Key Learning Outcome: An animation explaining evolution and inheritance

ART:

The children will develop their observational drawing skills through field sketching. They will also prepare and create models and scenery for their animations.

PSHE: The children will be debating moral and ethical issues surrounding the extinction of endangered species. We will discuss what the future holds for our planet and what our responsibilities might be.

PE:

The children will continue developing their skills in invasion games; in particular their ball control, spatial and tactical awareness. In dance, the children will represent the creation through movement.

GEOGRAPHY:

This term the children will be finding out about endangered species around the world. They will be using atlases and globes to locate regions; identifying and comparing different environments and climates; and considering reasons why extinction events are created through a range of environmental factors. They will also focus on Madagascar and the effect on its split from the continent of Africa.

RELIGIOUS EDUCATION:

The children will be exploring Genesis and the story of creation. They will be identifying its purpose and significance to Christian belief and comparing their own interpretations to the Christian view. The children will discuss the Christian belief that God is Creator and challenge the scientific theories of evolution. We will debate whether Christian views and scientific theories can work together.

Literacy Links:

Some Literacy will be linked through the topic with reports written about their findings in response to their science investigations. They will write biographies about Charles Darwin and carry out debates in RE and Science around the theory of evolution.