

Science Overview – Living things and their habitats

Year Six

Spring Term

Key Question:

Why is it important to keep a healthy body and mind?

National Curriculum

- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals
- give reasons for classifying plants and animals based on specific characteristics.

SUBSTANTIVE KNOWLEDGE

- 1) Know what taxonomy is and name a significant taxonomist.
- 2) Know who Carl Linnaeus is and his work around classifying living things.
- 3) Know what microorganisms are.
- 4) Know that there are some helpful and some harmful bacteria.

Key Vocabulary

characteristics, classify, taxonomist, key, bacteria, microorganism, microscope, species

Previous years vocabulary

asexual reproduction, fertilise, gestation, life cycle, metamorphosis, pollination, reproduction, sexual reproduction

Disciplinary Concepts

- taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.

Enquiry type to cover and enquiry suggestion

Pattern seeking (enquiry type)

Do all animals that fit into the same group have the same characteristics?

Learning Milestones /Assessment

I can...

- Say what a taxonomist is and what they do.
- Suggest ways in which animals could be grouped.
- Say who Carl Linnaeus is and describe his work.
- Use a key to sort animals.
- Say what a microorganism is and name some.
- Describe a useful way of using bacteria.