



Shadsworth Junior School



Curriculum

Year 6 Science Scheme of Work

Term: Spring 1

Topic: Science- Classification

Key Skills and Knowledge:

Classification – Living Things and their habitats.

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 Describe the ways in which nutrients and water are transported within animals, including humans.

Working Scientifically

Use classification systems and keys to identify some animals and plants in their immediate environment. Children to research unfamiliar animals and plants from a broad range of other habitats and then decide where they belong in the classification system. Children to present findings from enquiries in oral and written forms.

Reading and Writing Opportunities (Long and Short Activities)

Creative Ideas and Hooks

Research and create a fact file about Carl Linnaeus (a pioneer of classification)

WOW – bug hunt in School ground, looking for insects use magnifying glass, hoops, rocks and special safe bug collecting kit. (POOTER)

Research different vertebrates, create mind map fact page and top trump cards.

Children to wear white coats outside.

How can animals live in such different places around the world? Writing opportunity - Choose an animal and describe how they use mimicking or camouflage to survive.

Use branching database (ICT) to carryout classification

PowerPoint presentation to perform to class.

Create non-fiction book based on different habitats and animal species as a group. Present to the class.

Links to PSHCE, Equality and British Values Work

Respecting others.

Different families (similar / different)

Respecting the environment.

Caring for all creatures.

Key Vocabulary:

Micro-organism, classification, vertebrate, invertebrate, environment, habitat, monera, protista, fungi, algae, yeast, mould, mushroom, reptile, amphibian, mammal, fish, bird.

Resources Available / Visits/Visitors

Text – Spider and the Fly by Mary Howitt and Tony DiTerlizzi

Spider and fly posters.

3D models of spiders and flies (insects).

POOTER – bug catching kits, JW to order from science budget.

Useful Websites:

<https://www.woodlandtrust.org.uk/naturedetectives/blogs/nature-detectives-blog/2018/04/bug-hunt-ideas/>

Pre-learning:
Life cycles of different species
Food Chains
Explore things that are living and things which have never lived.