



WENSLEY FOLD CE PRIMARY ACADEMY SCIENCE SCHEME OF WORK

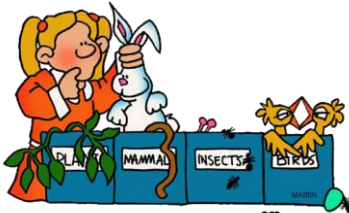


PROGRESSION THROUGH TOPICS

BIOLOGY – ANIMALS INCLUDING HUMANS

Early Learning Goal

Children know about similarities and differences in relation to places, objects, materials and living things. They talk about the features of their own immediate environment and how environments might vary from one another. They make observations of animals and plants and explain why some things occur and talk about changes.

Year 1	Year 2	Year 3
- I can name a variety of animals including fish, amphibians, reptiles birds and mammals. - I can classify and name animals by what they eat (carnivore, herbivore and omnivore). - I can sort animals into categories (including fish, amphibians, reptiles, birds and mammals). - I can sort living and non-living things. - I can name the parts of the human body that I can see. - I can link the correct part of the human body to each sense.	- I can explain the basic stages in a life cycle for animals, including humans. - I can describe what animals and humans need to survive. - I can describe why exercise, a balanced diet and good hygiene are important for humans.	- I can explain the importance of a nutritious, balanced diet. - I can explain how nutrients, water and oxygen are transported within animals and humans. - I can describe and explain the skeletal system of a human. - I can describe and explain the muscular system of a human. - I can describe the purpose of the skeleton in humans and animals.
Year 4	Year 5	Year 6
- I can identify and name the parts of the human digestive system. - I can describe the functions of the organs in the human digestive system. - I can identify and describe the different types of teeth in humans. - I can describe the functions of different human teeth. - I can use food chains to identify producers, predators and prey. - I can construct food chains to identify producers, predators and prey.	I can create a timeline to indicate stages of growth in humans. 	- I can identify and name the main parts of the human circulatory system. - I can describe the function of the heart, blood vessels and blood. - I can discuss the impact of diet, exercise, drugs and life style on health. - I can describe the ways in which nutrients and water are transported in animals, including humans.

KS3

Reproduction in humans (as an example of a mammal), male and female reproductive systems, menstrual cycle (without details of hormones), gametes, fertilisation, gestation and birth. The consequences of imbalances in the diet, including obesity, starvation and deficiency diseases. The effects of recreational drugs (including substance misuse) on behaviour, health and life processes. The structure and functions of the gas exchange system in humans, including adaptations to function. The mechanism of breathing to move air in and out of the lungs. The impact of exercise, asthma and smoking on the human gas exchange system.

