

Leamington Primary Science Knowledge Organiser Year 6 – Classification and Adaption

Strand – Biology



Enquiry

What I will learn Important words to help me. (vocabulary) What I should **Ideas for Scientific** already know How can I classify plants and animals? • Animals can be There are millions of types of living things in the classified into classification the arrangement of organisms into orderly groups based on their **Observation over time** world, so it would be very difficult if we tried to different groups similarities and differences describe and name each one individually. To help based on their Investigate into how mould Very tiny living things. So small they are not visible to the naked eye, microcharacteristics us understand living things, scientists organise so a microscope is needed to see them. They can be found all grows on bread organisms • Animals can be them into groups, according to features they share around us. They live in and on bodies, in the air, in water and on - this is called classification. Scientists are always grouped into Classification/Grouping obiects. looking for characteristics or "observable features" vertebrates and animals with a backbone which allow them to group different species vertebrates invertebrates Classify various animals by • Plants can be together and see how they are related to each their characteristics using a invertebrates animals without a backbone grouped into other. classification kev flowering plants amphibians a cold-blooded vertebrate animal that compromises frogs, toads, and non-flowering How are plants, animals and micro-organisms newts, salamanders and caecilians plants classified into broad groups? cold-blooded animals. Usually lay eggs. Most have scales. reptiles Linnaeus only identified the Plant and Animal **eresting Facts** kingdoms, but today living things are divided into birds a warm-blooded egg-laying vertebrate animal distinguished by the 5 broad groups called kingdoms (some scientists possession of feathers, wings, a beak and typically able to fly • 97% of creatures argue there are 6 or 7 kingdoms, but most agree warm-blooded animals. Usually have fur on their bodies and give mammals of invertebrates on 5). These are based on how living things are birth to live young. Drink milk from their mother • There are 8.7 the same and how they are different. Aristotle and cold-blooded animals. Breathe underwater using gills and lay eggs. fish million different Linnaeus were not aware of unicellular organisms, Have fins to help propel them through water as they could not see them with the naked eye species on earth a small animal that usually has six legs and generally one or two insects and they did not have equipment such as powerful • There are over pairs of wings microscopes to magnify tiny things. 41,000 a group of closely related organisms that are very similar to each species endangered other and are usually capable of producing offspring. species on earth Classification of animals