

## Education & Discovery at Dudley Zoological Gardens

### Animal Creature features (£5 per head)

30min Workshop based in the Discovery Centre that allows students to meet, touch & learn about 3 animals. These can be generalised or based on specific subjects such as minibeasts, habitats, adaptations or rainforests. These are very popular for any age group but especially younger classes.

Typical animals used in these creature features include; ferret, chinchilla, rat, guinea pig, bearded dragon, rainbow boa, corn snake, king snake, royal python, Dumerils boa, leopard gecko, tarantula, Madagascan hissing cockroaches, stick insects, giant African land snails and fire salamanders.

### Discovery Workshops



#### Pre School - Down On The Farm (£3 per head)

30min Workshop based on the Children's Farm. This is a hands on session where the children get the chance to meet the farm animals close up. Animals include giant rabbits, guinea pigs, turkeys, pygmy goats, spurthighed tortoises and Cameroon sheep. The workshop will be split between the indoor barn and the contact paddock. The children will be encouraged to learn the names of the animals and also to think about what they eat.



#### Primary School Discovery Workshops KS1 & KS2 (£6 per head)

#### **Web of Life**

*National Curriculum links - SC2.4 Variation and classification; Sc2.5 Adaptation*

A chance to see how life is connected by viewing it through the eyes of animals. This Workshop is hands on & interactive with a variety of live animals and role plays to show how animals are connected. The children are encouraged to think about how plants and animals are connected to each other and what links them. Typical animals used in this workshop include a snake, chinchilla, rat and Madagascan Hissing Cockroaches. Different animals and their diets are discussed such as carnivore and herbivore to show how they are connected.

#### **Habitats of the World**

*National Curriculum links -Sc2.4 Adaptation; Geog1, 2 Geographical enquiry and skills; Geog3, 4 Knowledge and understanding of places, patterns and processes*

This looks at four key habitats; forests, water, deserts and mountains with one animal from each habitat. The students will learn how & why the animals are able to adapt to their specific habitats. Typical animals include a rainforest snake, a desert lizard, an amphibian such as a frog or salamander and a chinchilla from the mountains. This is a hands on & interactive Workshop and will encourage students to explore the various animal adaptations to their specific environments.

#### **Mini Beasts**

*National curriculum links - Sc2.4 Variation and classification; Sc2.5 Adaptation*

A chance to meet creepy crawlies and minibeasts close up! This workshop is split between classroom work and the chance for bug safaris and pond dipping (weather permitting). The students discuss the different types of minibeasts and play the minibeast game of pairs. They then meet some exotic minibeasts such as giant African land snails, Tarantula, Madagascan Hissing Cockroaches and Stick Insects. Weather permitting the students then move outside to find some of their own native minibeasts and view some freshwater pond minibeasts.



## Secondary Level Discovery Workshops KS3 & KS4 (£6 per head)

### **Classification**

#### ***National Curriculum links - Sci3.3d All living things can be classified***

A practical session looking at classification of animals using live examples alongside our range of biofacts. Students are encouraged to think about why we classify and how it can be relevant to other aspects of life. A variety of live animals are used to show differences and similarities between different animals, these include a snake, lizard, chinchilla and Madagascan Hissing Cockroaches. Biofacts such as skins and skulls will also be used to help the students learn how to classify.

### **Conservation of Endangered Animals**

***National Curriculum links - Cit 1.2 Rights and responsibilities; Cit2.1 Critical thinking and enquiry; Cit2.3 Taking informed and responsible action; Cit3e Actions affecting the environment; PSHE PW2.1a Reflect critically on their own and others' values; Geog1.2 Space; Geog1.4 Interdependence; Geog1.5 Physical and human processes; Geog1.6 Environmental interaction and sustainable development; Geog1.7 Cultural understanding and diversity; Geog4f Participate in informed responsible action; Sci1.2 Ethical and moral implications of using and applying science; Sci3.3d All living things are interdependent, interacting with each other and their environment; Sci3.4c Human activity and natural processes can lead to changes in the environment; Sci4g Sustainability. Cross curriculum dimension: Global dimension and sustainable development.***

This workshop begins by looking at what conservation is and discussing the IUCN listing of endangered and critically endangered animals. The students are then encouraged to think of reasons why an animal might be endangered, for some of these reasons there will be a live animal to meet such as a snake, chinchilla, lizard or rat. The zoo's role in conservation is then discussed and key animals at the zoo such as the Asiatic Lions, Rothschild Giraffe and Red Panda and discussed with reference to their breeding programmes.

### **Organisms in their Environment**

***National Curriculum links - Geog1.1 Place; Sci3.3d All living things are interdependent, interacting with each other and their environment; Sci3.3e Behaviour is influenced by internal and external factors.***

This workshop ties in very closely with the Science GCSE, it begins with discussing key words such as environment and habitats before discussing adaptations to hot and cold climates using live examples such as a chinchilla and a desert lizard. Competition is also discussed using Madagascan Hissing Cockroaches.

Biofacts are also used to discuss how animals are adapted to their habitats.



## Horrible History KS1 & KS2 (£5 per head)

1 hour Workshop in the Castle Undercroft led by Lady Caroline. Students will explore the History of Dudley Castle and focus on the Terrible Tudors, Castle Life, Food & Drink, Armour & meet some animals from Medieval Times.

## Dr Dudley Guided Tours KS1/2/3/4 (£6 per head)

2 hour Tour of the Zoo to visit some of our endangered species including Lemurs Lions, Penguins & Red Pandas. Finish with a Creature Feature to meet some furry & not so furry animals including ferrets, snakes & spiders!

**All prices include admission to the zoo and castle for the entire day**

**One free teacher with every 7 paying students, all extra adults at £5 per head**

**For the 'Down on the Farm' Workshop the ratio is 1 free Adult per 3 paying children**

**Please contact Caroline on 01384 215317 [caroline.education@dudleyzoo.org.uk](mailto:caroline.education@dudleyzoo.org.uk) for further information**