

KEY STAGE 3

EDUCATION SESSIONS

Bristol
ZOO
Gardens

Bristol Zoo aims to bring learning to life through our wide range of education sessions. Delivered by our dynamic and highly skilled Education Team, we will strive to offer a unique learning experience for all ages and abilities.

Linked to a range of curriculums and programmes of study, our sessions deliver interactive experiences using resources such as live animals, biofacts (skulls, skins, and stuffed specimens) and multimedia.

If you would like to know more or would like to book a session, please call 0117 4285 441 or email education@bristolzoo.org.uk

Adaptation

African Savannah

Animal Behaviour

Art alive

Careers with animals

Classification

Climate change and wildlife

Exploring Evolution: Dino's to Darwin

Extreme ecosystems

Feeding relationships

Maths in the workplace

Plants and pollination

Rainforests

Role of zoos

Studying behaviour (NEW) – in three parts

Wildlife conservation

Adaptation

Subjects covered

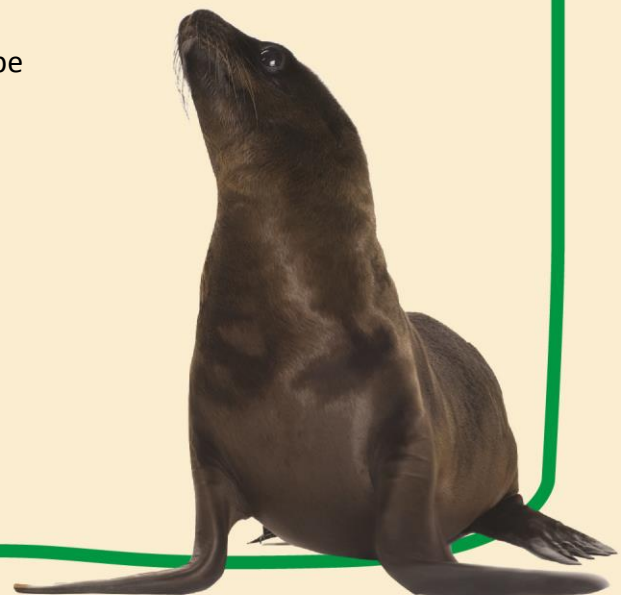
- Environmental factors in habitats and influence adaptation
- Adaptions to daily and seasonal change
- Adaptations to avoid predation and find food.

African Savannah

(Easter to October half-term)

Subject covered:

- Distribution and features of the savannah landscape
- Adaptations of savannah animals
- Conservation and the effect of tourism



Animal Behaviour

Subjects covered:

- Instinctive behaviours
- Associative learning and social learning
- Animal training in the Zoo

Art alive

Take the opportunity to draw, sketch or photograph our extensive range of biofacts and stuffed specimens. **Please can you bring your own art supplies.**

Subjects covered:

- Use of art, craft and design in the Zoo
- The work of the Zoo's wildlife artist and graphic designers

Careers with animals

Subjects covered:

- The range of zoological careers available
- The skills and qualifications required for a career with animals
- The pros and cons of working with animals

Classification

Subjects covered:

- Why classifying animals is important, and the different methods employed
- The similarities within and between species
- Classifying invertebrate groups
- The five classes of vertebrate animal

Climate change and wildlife

Subjects covered:

- How climate change has changed from the ice age to present day
- The impact of greenhouse gasses
- How animals and their habitats are affected by climate change
- Efforts to combat climate change

Exploring Evolution: Dino's to Darwin

Subjects covered:

- Experience the sights and sounds of dinosaurs.
- Discover the evolutionary ancestors of some of the animals in the Zoo and make comparisons of adaptations in current animals.
- Understand the timeline of life on earth.

Extreme ecosystems

Subjects covered:

- Geographical similarities and differences between the most extreme habitats on our planet, including key physical characteristics
- How humans and other animals, survive in these environments
- Human use of natural resources and how this affects these landscapes

Feeding relationships

Subjects covered:

- Adaptations to finding food and avoiding predation
- Features of predator and prey species
- Trophic levels, food chains and food webs
- Toxic accumulation in food chains

Maths in the workplace

Subjects covered:

- Use of maths in the Zoo
- Ratios and percentages
- Calculating area using formulae
- Interpreting data and drawing graphs

Plants and pollination

Subjects covered:

- How plants are adapted for photosynthesis
- The importance of insect pollination to the human food chain
- The interactions and interdependencies between plants, animals and humans.

Rainforests

Subjects covered:

- Distribution and features of the rainforest biome
- Rainforest species and their distribution within the rainforest
- Adaptations of rainforest species
- Human use of rainforests, conservation and easy ways to help

Role of zoos

Subjects covered:

- The history of Bristol Zoo
- The functions of a modern zoo
- Examples of conservation ,research and educational programmes

Studying behaviour (NEW) – in three parts

Subjects covered:

- Methods of studying animal behaviour
- Student-led investigation observing and recording animal behaviour in the Zoo
- Feedback session – presenting, explaining and evaluation data.

NB: This session only includes one live animal. Please allow at least 2.5 hours to complete the two sessions and the observational study within the Zoo.

Wildlife conservation

Subjects covered:

- Reasons for protecting wildlife
- Environmental protection and sustain able development
- Bristol Zoo's role in wildlife conservation and how we all can help.