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

### Subjects covered

- **Adaptation**
- **Feeding relationships**
- **African Savannah**
- **Maths in the workplace**
- **Animal Behaviour**
- **Plants and pollination**
- **Art alive**
- **Rainforests**
- **Careers with animals**
- **Role of zoos**
- **Classification**
- **Studying behaviour (NEW) – in three parts**
- **Climate change and wildlife**
- **Wildlife conservation**
- **Exploring Evolution: Dino’s to Darwin**
- **Extreme ecosystems**

### Adaptation

**Subjects covered**

- Environmental factors in habitats and influence adaptation
- Adaptations 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 classed 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 gases
- How animals and their habitats are effected 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 sustainable development
- Bristol Zoo’s role in wildlife conservation and how we all can help.