

# 14-19 YEARS

## EDUCATION SESSIONS



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 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](mailto:education@bristolzoo.org.uk)

### **Adaptation (14-19)**

**Animal behaviour (KS4)**

**Animal learning (Post 16)**

**Animal welfare (14-19)**

**Art alive (14-19)**

**Careers with animals (14-19)**

**Classification (14-19)**

**Conservation Biology and the Zoo (Post 16)**

**Customer care (14-19)**

**Enclosure design (14-19)**

**Evolution of behaviour (Post 16)**

**Marketing (14-19)**

### **Primate communication (Post 16)**

**Role of zoos (14-19)**

**Science in the workplace (14-19)**

**Studying behaviour – in three parts (14-19)**

**Sustainable development and the Zoo (14-19)**

**Wildlife conservation (14-19)**

**Additional content covered for A level groups:**

**The Zoo as a business (14-19)**

**Teaching/Childcare – Outside the classroom (Post 16)**

### **Adaptation (14-19)**

Subjects covered:

- Evolutionary importance of adaptation
- Anatomical, physiological and behavioural adaptations
- Comparison of adaptations between related taxa

### **Animal behaviour (KS4)**

Subjects covered:

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



### **Animal learning (Post 16)**

Subjects covered:

- Instinct vs. learned behaviour
- Types of learned behaviour – including classical and operant conditioning
- Animal training in the Zoo

NB: This session lasts 1 hour 15 mins

### **Animal welfare (14-19)**

Subject covered:

- Animal welfare legislation and guidelines
- Role of zoos
- Understanding behaviour and environmental enrichment

### **Art alive (14-19)**

Join us for a unique opportunity to develop ideas using our amazing selection of natural biofacts. Bring your sketchbooks or cameras to record your observations of colour, texture, shape and form. The work of the Zoo's artist and designers will be covered in an introduction.

### **Careers with animals (14-19)**

Subjects covered:

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

### **Classification (14-19)**

Subjects covered:

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

### **Additional content covered for A level groups:**

- Concept of species and binomial system
- Taxonomic and phylogenetic groupings
- Classification of a named species

The A level session lasts 1 hour 15 minutes

### **Conservation Biology and the Zoo (Post 16)**

Subjects covered:

- The role of a modern zoo
- Importance of conservation and the underpinning science
- Zoo departments involved in conservation science (vet work, conservation breeding etc.)
- Zoo population management

This session lasts 1 hour 15 minutes

### **Customer care (14-19)**

Subjects covered:

- Introduction to Bristol zoo as a business
- Importance of customers and customer types
- Our guest charter and the role of guest services
- Recruitment, training and legal obligations

This session lasts 1 hour 15 minutes

### **Enclosure design (14-19)**

Subjects covered:

- How zoo enclosure design has developed over time
- Considerations when designing new enclosures
- Design examples from Bristol Zoo

### **Evolution of behaviour (Post 16)**

Subjects covered:

- How behaviour evolves, including adaptation and co-adaptation
- Evidence that behaviour is evolving
- Gene transmission, kin selection and apparent altruism

This session lasts 1 hour 15 minutes

### **Marketing (14-19)**

Subjects covered:

- Introduction to Bristol zoo as a business
- The work of the marketing department
- Visitor profiles and market research
- Promotional tools as part of the marketing mix

This session lasts 1 hour 15 minutes

### **Primate communication (Post 16)**

Subjects covered:

- The various ways primates communicate
- Roles of communication
- Case studies on human/primate communication

This session lasts 1 hour 15 minutes

### **Role of zoos (14-19)**

Subjects covered:

- The history of Bristol Zoo
- The Zoo's involvement in wildlife conservation
- Non-invasive research and conservation education

### **Science in the workplace (14-19)**

Subjects covered:

- Science careers in the Zoo
- Animal care and welfare
- Managing health and safety in the Zoo

### **Studying behaviour – in three parts (14-19)**

Subjects covered:

- How to study behaviour – tips and a short guided practical taster
- Student-led investigation observing and recording animal behaviour in the Zoo
- Feedback session – Analysis, evolution and presentation of results

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.

### **Sustainable development and the Zoo (14-19)**

Subjects covered:

- The Zoo as a sustainable organisation and how its visitors can get involved
- Challenges of being sustainable
- Working with an Environmental Management System

### **Wildlife conservation (14-19)**

Subjects covered:

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

### **Additional content covered for A level groups:**

- Rationale for conservation and threats to species
- The role of zoos in in-situ and ex-situ conservation
- Sustainable development and consumerism.

### **The Zoo as a business (14-19)**

Subjects covered:

- Introduction to the Zoo as a business and its objectives
- Future business plans
- The people of the organisation
- Marketing the organisation

This session lasts 1 hour 15 minutes

### **Teaching/Childcare – Outside the classroom (Post 16)**

Subjects covered:

- How to plan a trip to the Zoo
- The opportunities for learning at the Zoo including links to the curriculum
- Safety and fun at the Zoo

This session is suitable for all types of childcare or teaching courses, and any age range from EYFS to post 16.