

LONDON ZOO

a ZSL conservation zoo

Education Access Scheme

Workshop information - Autumn 2023



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Workshop FAQ

You have a designated London Zoo representative who is your main point of contact for the Education Access Scheme.

Who is my London Zoo representative?

If you are unsure who your London Zoo representative is, please email us at londonzoolearning@zsl.org, stating your school name and the key stage you teach.

What workshops do you offer?

Education Access Scheme schools have access to a range of workshops that are not available to other schools. You can find a full list of workshops we offer below.

Which workshop is most suitable for my group?

If you're unsure which workshop is best, please get in touch with your London Zoo representative who can discuss your needs and advise you on the most suitable workshop.

Can I book a workshop from a different key stage?

Our workshops are National Curriculum-linked and tailored to meet the needs of each key stage. If you feel a different workshop would suit the ability level of your students, please get in touch with your London Zoo representative to discuss.

How much do workshops cost?

There is a fee of £36 per workshop booked.

How many students can be in a workshop?

There is a maximum capacity of 35 students per workshop, except for our Zoos & Conservation/Zoo Genetics and Breeding sessions, which have a maximum capacity of 60.

What days are workshops available?

Workshops are available on Wednesdays, Thursdays and Fridays during term-time only, subject to availability.

What times are workshops available?

Workshops are available at 10:30, 11:30 and 12:30, subject to availability.

We occasionally offer afternoon workshops for schools who are coming on afternoon trips, although we cannot guarantee this. If this is something you're interested in, please get in touch with your London Zoo representative.

How do I book a workshop?

When you're ready to book, contact your London Zoo representative who can get you booked in.

I have an idea for something you don't currently offer.

We are open to ideas for co-creation of new opportunities. However, please note that these:

- Are not guaranteed
- May be subject to a fee
- May be offered only to certain schools who meet eligibility criteria when capacity is limited

Please get in touch with your London Zoo representative who can discuss this with you further.

Education Access Scheme

Workshop list

For an index listing all available workshops, see p16



EYFS workshops

(EYFS) Animal Storytime

Animal Storytime is an engaging story about the animals found around a watering hole in the African Savannah, using a variety of puppets and songs. The children will be invited to sit with us and join in as we tell the story, which features some of the animals they may see at the zoo.

Children build the lively story with actions, answers and songs - adults are encouraged to join in too!



Learning Outcomes

Pupils will be able to:

- ✓ Identify common animals they will see at the zoo.
- ✓ Join in with appropriate noises and movements while listening to a story

(EYFS) There's a Lion in my Garden

There's a Lion in my Garden is an interactive workshop where children are transported to an Indian village in the Gir Forest through immersive story-telling.

Along their journey, students identify and learn more about a range of animals that call the Gir Forest their home, some of which they may see in the zoo. Adults are encouraged to join in with the singing and actions too!



Learning Outcomes

Pupils will be able to:

- ✓ Identify common animals that live in the Gir Forest
- ✓ Identify animals they may see at the zoo
- ✓ Join in with appropriate noises and movements while listening to a story

KS1 workshops

(KS1) Caring for Animals

How do you look after a penguin? In this interactive workshop, find out how London Zoo cares for animals within the zoo as well as out in the wild. Students will discover the things we ALL need to be healthy and happy whilst having the opportunity to make welfare decisions for a focus animal, just like a real keeper!

(Please note this is a new workshop so feedback is highly valued for further development and improvement.)



Learning Outcomes

Pupils will learn:

- ✓ about their own welfare needs and the five welfare needs of animals
- ✓ how ZSL cares for animals in zoos and in the wild
- ✓ to name animals who are carnivores, herbivores and omnivores
- ✓ what the words *endangered*, *enrichment* and *welfare* mean

KS2 tours

New for 2023/24 – KS2 zoo tours!

We're pleased to announce that Education Access Scheme schools can now book zoo tours. Unlike our workshops which take place in a classroom setting, on tours students are guided around the zoo by a Learning Officer. Tour participants will be given audio headsets to enable them to hear the presenter's voice clearly while they're out in the zoo.

Difference between tours and workshops

Tours	Workshops
<ul style="list-style-type: none">• Put learning into context by applying key concepts to live animals• Format is very exciting for students – good reward activity!• Spend more time out in the zoo• Learn the personal stories of individual animals	<ul style="list-style-type: none">• Classroom environment can provide more focused learning experience• Can go into greater depth on topics than on tour• More opportunities for hands-on learning, e.g. handling artefacts

We currently have just one tour available for KS2, but we'll look to expand the range of tour topics if the format proves popular.

(KS2) Adaptations tour

Your group will wear audio headsets and be guided around part of the zoo to learn more about our animals' amazing adaptations, while learning some of their personal stories along the way.

Please note we cannot guarantee which animals will be seen on the adaptations tour, as the route may change in response to unforeseen circumstances, e.g. habitat closures.



Learning Outcomes

Pupils will be able to:

- ✓ Name some adaptations of zoo animals
- ✓ Identify whether those adaptations are anatomical or behavioural
- ✓ Feel a connection to individual zoo animals through learning their personal stories

If you'd prefer a classroom-based adaptations activity, please see our Habitats & Adaptations workshop.

KS2 workshops

(KS2) Habitats and Adaptations

Why aren't there any penguins in the desert?

In **Habitats and Adaptations**, students consider the different properties of the desert, polar, ocean and rainforest habitats, and how animals' adaptations help them to survive in these very different places.

Learning Outcomes

Pupils will be able to:

- ✓ Gain an understanding that a habitat is a place where an animal lives
- ✓ Organise different animals into their respective habitats
- ✓ Describe different habitats
- ✓ Gain an understanding that animals have features called adaptations which help them to survive in different habitats



Looking for something more challenging?

Year 6 groups are welcome to book our KS3 'Adaptations' workshop, which discusses evolution and inheritance. See KS3 section below for more information.

(KS2) Plastics: Impacts & Actions

Join us for this topical session exploring the impact single-use plastic is having on the environment and how they can make a positive change to help.

Through the lens of our #OneLess campaign, students will get first-hand experience looking at what happens to plastic when it reaches our waterways.



Learning Outcomes

Pupils will be able to:

- ✓ state at least one reason why the ocean is important.
- ✓ describe how litter from land-based sources reaches the ocean.
- ✓ identify ways they can make a positive impact on the environment.

KS2 workshops

(KS2) Rainforest Explorer

Become a *Rainforest Explorer* in our very own Rainforest biome!

Students will learn about this unique habitat through exploring our immersive rainforest habitat, looking for animals and taking temperature and humidity readings.

Students will apply what they learnt to describe adaptations of animals that live in this habitat, the threats that they face and how we can help.



Learning Outcomes

Pupils will be able to:

- ✓ Identify a variety of rainforest animals using an identification guide
- ✓ Use scientific equipment to measure the climate of the rainforest
- ✓ Gain an understanding that animals have features that help them to survive in the rainforest, called adaptations



KS3/KS4 workshops

(KS3/4) Animal Careers Workshop

How do you get a job at the Zoo? What kinds of jobs are available? In our Animal Careers workshop, students will learn about the wide range of careers available here at ZSL London Zoo, the oldest scientific zoo in the world!

During this workshop students will consider the key skills needed for certain careers, covering keepers, vets, conservation and research work abroad. They'll learn about transferable skills, and how important practical experience is in the world of animal work.

They will then have an opportunity to investigate real equipment used by various ZSL staff members, such as microscopes, pH testing kits and live cameras monitoring wild animal populations across the world.

Learning Outcomes

Pupils will be able to:

- ✓ Gain an understanding of the various routes into animal-based careers at ZSL
- ✓ Gain an understanding of the conservation work ZSL does in its zoos and out in the wild
- ✓ Investigate equipment ZSL staff may use
- ✓ Gain an understanding of the qualifications and practical experience that will aid them in reaching an animal-based career



KS3/KS4 workshops

(KS3/KS4) Climate Change and Animals

In *Climate Change & Animals*, students will briefly recap the science behind the greenhouse effect. They will discover how our changing climate impacts animals, including humans, as well as their habitats around the world.

Through activities and investigations, students will explore the issues facing animals in different habitats and focus on a case study highlighting what ZSL scientists are doing to help. Students will also understand what actions they can take to reduce their carbon footprint.



Learning Outcomes

Pupils will be able to:

- ✓ Recall the science behind the greenhouse effect and give examples of how humans 'enhance' the greenhouse effect
- ✓ Discuss a selection of common myths surrounding climate change
- ✓ Give three examples of the risks of climate change on animals, including humans
- ✓ Give one example of a ZSL project that involves climate change research
- ✓ Understand what they can do to reduce their carbon footprint



(KS3/KS4) Discover Classification

This hands-on session uses real invertebrate specimens and group tasks to help students understand the science of taxonomy (classifying living things).

Students will work together to classify a range of unusual invertebrates, discuss the importance of the binomial system to name organisms and learn more about how modern technologies have affected how organisms are classified today.

Students will also learn about how classification is applied to the conservation work carried out by ZSL.



Learning Outcomes

Pupils will be able to:

- ✓ Describe classification using: Kingdom, Phylum, Class, Order, Family, Genus and Species
- ✓ Give an example of how to classify a species based on its similarities with other organisms
- ✓ Explain how to name organisms using the binomial system and why scientists use it
- ✓ Give an example of how modern technology has affected the classification of species
- ✓ Understand the practical application of classification in conservation of species using the EDGE of Existence programme as an example

KS3/KS4 workshops

(KS3/KS4) Interactive Food Webs

Interactive Food Webs aims to explore how animals within an ecosystem are dependent on each other.

After discussing the concept of a food web, students will be given the opportunity to build their own Gir forest food web using an iPad app. The Asiatic Lions and plenty of other Indian wildlife will feature in this food web!



We'll then investigate the effects of a declining species in a food web and students will be encouraged to source information and make predictions about how the ecosystem could react. There'll also be a focus on a real-life conservation case study that ZSL are involved in.

Learning Outcomes

Pupils will be able to:

- ✓ Build a food web using technology
- ✓ Gain an understanding of the Gir forest habitat and the species that live there
- ✓ Source appropriate information about interdependence and make predictions about how an ecosystem might change if species' abundance changes
- ✓ Gain an understanding of what conservation work ZSL is doing in India

Post-16 workshops

(Post-16) Animal Learning & Intelligence

In *Animal Learning and Intelligence*, students will explore the reasons why we consider certain animals “intelligent” or “not intelligent”, and the theories surrounding how animals learn.

They will discover how ZSL uses the science of learning behaviours to benefit animal welfare at the zoo - including the opportunity to try out animal training techniques on each other!



Learning Outcomes

Pupils will be able to:

- ✓ Explain how animals learn through classical and operant conditioning, and social learning
- ✓ Give examples of how this knowledge is used to benefit animals in the zoo

(Post-16) Animal Behaviour Study

Animal Behaviour Study will allow your A-level students to carry out their own research into the behaviour of our squirrel monkeys.

During this exciting session students will conduct interval sampling on digital devices to make structured observations of animal behaviour, and record their data to allow them to analyse and interpret their results afterwards. Through this they will consider how and why we do scientific research at the Zoo, and how we apply this knowledge in our conservation work.



[NB: If the squirrel monkey exhibit is unavailable a different species may be used for observations.]

Learning Outcomes

Pupils will be able to:

- ✓ Suggest methods that could be used to study the behaviour of a particular animal in the Zoo and make predictions about what behaviours might be observed
- ✓ Use interval sampling techniques on digital tablets to make structured observations and collect data about the behaviour of squirrel monkeys/lions/langurs
- ✓ Begin to interpret the results of their study to describe their animal's behaviour and draw conclusions

(Post-16) Zoo Genetics & Breeding

Zoo Genetics and Breeding aims to introduce population genetics and looks at why genetic diversity is essential in a healthy population.

Using real-life ZSL examples, we look at how genetic drift, the founder effect and genetic bottlenecks affect genetic diversity.

We'll also investigate how zoos manage genetics of captive populations and why it is so crucial for future reintroductions of animals to the wild.



Learning Outcomes

Pupils will be able to:

- ✓ Gain an understanding of the process of genetic drift and how it has an impact on small populations of animals
- ✓ Gain an understanding of some real-life ZSL case studies of populations that have been affected by genetic drift
- ✓ Gain an appreciation of why and how genetic management is used within zoos and captive populations

(Post-16) Zoos and Conservation

Using case studies from ZSL, **Zoos and Conservation** helps students to understand how zoos work to conserve endangered species; from captive breeding and reintroduction programmes, to science and education.

This session gives students the opportunity to find out about and discuss the role of zoos in the 21st century.



Learning Outcomes

Pupils will be able to:

- ✓ Understand how zoos work to conserve endangered species through scientific research; captive breeding programmes; reintroduction programmes and education
- ✓ Identify different biological methods that zoos use to help conserve animals and their habitats

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