

**TWYXCROSS ZOO**

# EDUCATION CATALOGUE

**2024-25**



**Twycross Zoo**

Atherstone, Warwickshire, CV9 3PX

[www.twycrosszoo.org](http://www.twycrosszoo.org)

# WHAT TO EXPECT

From EYFS to Higher Education, we encourage learners to follow their curiosity and build confidence in their imagination, problem-solving and critical-thinking skills.

Workshops are delivered using a flexible framework, by our Education Officers. Using their expertise and discretion, Officers adapt their delivery to maximise accessibility, inclusivity and indulge the curiosity of the learners.

Workshops include numerous practical activities which encourage application and contextualisation of knowledge. Activities include sensory exploration, class-wide games, role-play and puzzle-solving.

Many of our workshops also include tactile artefacts and props, both real and artificial\*.

We also offer expeditions around the zoo, which can be focused on one or more key-stage specific topics, whilst visiting relevant enclosures.

Our Education Officers are passionate about supporting learners in their exploration of conservation and other scientific topics. We have carefully crafted the content of our catalogue to support and enrich curriculum learning at each specific key-stage. However, if you can't find a workshop that meets your specific needs, please feel free to request a bespoke workshop from our bookings team and we will do our best to accommodate your request.

\*Real artefacts are confiscated items that have been donated by Customs Agencies for educational purposes, and are safe for use.

PLEASE NOTE: NO ANIMALS ARE USED IN OUR WORKSHOPS. THIS IS TO UPHOLD THE HIGHEST POSSIBLE WELFARE STANDARDS FOR OUR ANIMALS.

# THINGS TO CONSIDER

## Upon your arrival

Please check in upon arrival - Guest Services will record the number of students and staff present for invoicing purposes and will provide you with all the necessary information about your visit.

Please ensure that staff present on the day have been briefed of all relevant information.

## Lunches

We are not able to store lunches onsite or guarantee indoor eating spaces prior to arrival.

Please check with Guest Services during check in to confirm whether you are able to use any indoor spaces. There are several outdoor eating spaces available across site.

## Weather

Please ensure learners bring appropriate attire for any weather conditions. Many of our animal enclosures have indoor space, but much of the site is open to the elements.

## Other Guests

Throughout the year, the zoo is open to the public as well as to schools. School term dates do not always align across counties, so the zoo can be fairly busy around school holidays.

## Health and Safety

Learners under the age of 17 must be accompanied by an adult at all times. The staff member with each group is responsible for the behaviour and safety of their learners whilst on site.

## Logistics

Please confirm your departure time from Twycross Zoo prior to booking educational workshops. Our workshops are 45 minutes long and it can take up to 10 minutes to return to the zoo entrance from the classroom.

# BOOKING INFORMATION

Session Length	KS1+ workshops and expeditions are 45 minutes in length, unless otherwise stated. EYFS workshops are 45 minutes in length, with the content taking between 30 and 45 minutes depending on learner needs.
Time	Workshops and expeditions start at 10:30am, 11:30am, 12:30pm and 1:30pm, unless otherwise stated, and last 45 minutes.
Capacities	Workshops can accommodate a maximum of 32 learners. Expeditions can accommodate a maximum of 20 learners.
Bespoke	Please contact us on <a href="mailto:bookings@twycrosszoo.org">bookings@twycrosszoo.org</a> to discuss bespoke needs.
Costs	In addition to the educational admissions charge, workshops are charged at £50 + VAT each, and expeditions are £35 + VAT each, unless otherwise specified. Admissions charges are VAT exempt.
Bookings	Pre-booking is essential for workshops and expeditions. Please complete and return the booking form detailing your requirements. Workshops and expeditions are booked on a first-come-first-served basis and you should wait to ensure that they are confirmed before continuing to plan your visit.
Learner Needs	Please let us know in advance if you have any learners with SEND in your group, as well as ways that we can support your learners during your visit.

## The T&C's

- Workshops and expeditions must be pre-booked and are subject to availability
- Workshops and expeditions cannot be booked without booking admission to the zoo for all your attending learners/teachers
- We are unable to accommodate late arrivals - this will result in shorter or undeliverable workshop/expedition times and refunds cannot be offered
- Further full terms and conditions will be included in your booking confirmation

## Cancellation of Workshops

Should you wish to cancel or move a workshop or expedition, please help us by doing so as soon as possible, but at least 4 weeks prior to your visit date.

After this time you will be charged for the workshops as booked.

When you're ready to book, contact our Bookings team on

**BOOKINGS@TWYCROSSZOO.ORG**

**TWYCROSS ZOO**

# EYFS

Name	What's involved?	Curriculum Links
Who's Who in the Zoo?	<ul style="list-style-type: none"><li>• Classification of animals including birds, mammals, reptiles, amphibians and insects.</li><li>• Features that help us classify species.</li></ul>	<ul style="list-style-type: none"><li>• ELG: Listening, Attention and Understanding</li><li>• ELG: Speaking</li><li>• ELG: Self-Regulation</li><li>• ELG: Comprehension</li><li>• ELG: The Natural World</li></ul>
Creature Communication	<ul style="list-style-type: none"><li>• Storybook style delivery</li><li>• Types of communication in animals</li><li>• Sensory exploration of artefacts</li><li>• Use of Makaton</li></ul>	

## TREETOP DISCOVERY EXPEDITION

Walking expeditions take learners on a journey through a section of the zoo. The Treetop Discovery Expedition allows learners to discover tree-dwelling animals guided by an Education Officer who can tailor the experience to learner level and need.

This expedition is recommended for learners aged 4-5 (Reception), so whilst this is an 'on-the-move' learning experience, there is not a large amount of walking for little legs.

# KEY STAGE 1

Name	What's involved?	Curriculum Links
<b>Habitat Chat</b>	<ul style="list-style-type: none"> <li>• Identifying habitats</li> <li>• Matching animals to their habitats</li> <li>• Adaptations</li> <li>• Human impact on habitats</li> <li>• Creation and restoration of habitat</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Living things, habitats, adaptations</li> <li>• Plants, animals and food-chains.</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical features of landscapes</li> </ul>
<b>African Adventure</b>	<ul style="list-style-type: none"> <li>• Focus on African species from a variety of habitats</li> <li>• Adaptations</li> <li>• Similarities and differences between species</li> <li>• Pollination</li> <li>• Creation and restoration of habitats</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Living things, habitats, adaptations</li> <li>• Plants, animals and food-chains</li> <li>• Food sources</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical features of landscapes</li> </ul>
<b>Grub's Up</b>	<ul style="list-style-type: none"> <li>• Herbivores, omnivores and carnivores</li> <li>• Skull and tooth adaptations</li> <li>• Finding food using senses</li> <li>• Camouflage</li> <li>• Simple food webs</li> <li>• Impact of extinction on food webs</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Carnivores, herbivores and omnivores</li> <li>• Food sources</li> <li>• Living things, habitats and adaptations</li> <li>• Food chains</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical features of landscapes</li> </ul>
<b>Sorting Species</b>	<ul style="list-style-type: none"> <li>• Grouping animals into classifications (mammals, birds, reptiles, fish and amphibians)</li> <li>• Features of these groups</li> <li>• Lifecycles</li> <li>• How classification relates to the zoo</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Common animals and classification</li> <li>• Carnivores, herbivores and omnivores</li> <li>• Food sources</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical features of landscapes</li> </ul>

Walking expeditions for KS1 are available with a number of topic focuses to choose from:

**Habitats, Diet, Classification, Conservation**

These topics are flexible and can be tailored to your learners' needs. During the booking process, please outline any specific content from the list above that you would like to be included.

# KEY STAGE 2

Name	What's involved?	Curriculum Links
<b>Adapt. Survive. Thrive.</b>	<ul style="list-style-type: none"> <li>• Evolutionary history of species</li> <li>• Fossil records</li> <li>• Adaptations to suit specific environments</li> <li>• Relatedness between apes, monkeys and humans</li> <li>• Impact of humans on evolution</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Adaptations</li> <li>• Evolution</li> <li>• Environmental change</li> <li>• Positive and negative human impact</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical geography</li> <li>• Human geography</li> </ul>
<b>Life in the Rainforest</b>	<ul style="list-style-type: none"> <li>• Rainforest habitat</li> <li>• Layers of the rainforest</li> <li>• Species found in the rainforest</li> <li>• The importance of conserving the rainforest</li> <li>• Protecting the rainforest</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Lifecycles of plants</li> <li>• Adaptations</li> <li>• Environmental change</li> <li>• Positive and negative human impact</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical geography</li> <li>• Human geography</li> </ul>
<b>Grub's Up</b>	<ul style="list-style-type: none"> <li>• Herbivores, omnivores, carnivores and detritivores</li> <li>• Skull and tooth adaptations</li> <li>• Finding food using senses</li> <li>• Camouflage</li> <li>• Food webs</li> <li>• Impact of extinction on food webs</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Nutrition</li> <li>• Classification</li> <li>• Food chains - producers, predator and prey</li> <li>• Carnivores, herbivores and omnivores</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical geography</li> <li>• Human geography</li> </ul>
<b>Consider Conservation</b>	<ul style="list-style-type: none"> <li>• Identifying endangered species</li> <li>• Assessing biodiversity</li> <li>• Impact of biodiversity loss</li> <li>• Role of conservation in habitat and species restoration.</li> </ul>	Sciences <ul style="list-style-type: none"> <li>• Environmental change</li> <li>• Classification</li> <li>• Adaptations</li> <li>• Human impact</li> </ul> Geography <ul style="list-style-type: none"> <li>• Physical geography</li> <li>• Human geography</li> </ul>

Walking expeditions for KS2 are available with a number of topic focuses to choose from:

**Habitats, Diet, Classification, Conservation**

These topics are flexible and can be tailored to your learners' needs. During the booking process, please outline any specific content from the list above that you would like to be included.

# KEY STAGE 3

Name	What's involved?	Curriculum Links
<b>Following Family Trees</b>	<ul style="list-style-type: none"><li>• Evolutionary history of primates</li><li>• Species comparisons</li><li>• Skull morphology of primates</li><li>• Human relatedness to apes and monkeys</li><li>• Threats that primates are facing in the wild</li></ul>	<p>Sciences</p> <ul style="list-style-type: none"><li>• Heredity</li><li>• Chromosomes, genes and DNA</li><li>• Variation (discontinuous and continuous)</li><li>• Natural selection</li><li>• Environmental change and adaptation</li><li>• Biodiversity</li></ul> <p>Geography</p> <ul style="list-style-type: none"><li>• Human and physical processes and influence</li></ul>
<b>Critical Conservation</b>	<ul style="list-style-type: none"><li>• Threats facing endangered species</li><li>• Perspectives on valuing nature</li><li>• Practical application of conservation strategies</li><li>• Conservation work in zoos and the wild</li><li>• Role of Twycross Zoo in conservation</li></ul>	<p>Sciences</p> <ul style="list-style-type: none"><li>• Ecosystem interdependence and food webs</li><li>• Pollination</li><li>• Environmental effects</li><li>• Environmental changes and adaptation</li><li>• Biodiversity</li></ul> <p>Geography</p> <ul style="list-style-type: none"><li>• Human and physical processes and influence</li></ul>

Walking expeditions for KS3 are available with a number of topic focuses to choose from:

**Evolution, Role of Zoos in Conservation, Animal Care, Careers**

These topics are flexible and can be tailored to your learners' needs. During the booking process, please outline any specific content from the list above that you would like to be included.

# KEY STAGE 4

Name	What's involved?	Curriculum Links
<b>Animals in Danger</b>	<ul style="list-style-type: none"> <li>• What is the IUCN RedList and how do we use it in conservation</li> <li>• Investigation of some of the most endangered species at Twycross Zoo</li> <li>• Consider the impact of extinctions on wider ecosystems</li> <li>• Conservation work in zoos and in the wild</li> <li>• Role of Twycross Zoo in conservation</li> </ul>	<p>Biology</p> <ul style="list-style-type: none"> <li>• Ecosystem organisation</li> <li>• Abiotic and biotic factors and interactions</li> <li>• Environmental changes</li> <li>• Ecosystem interdependence</li> <li>• Adaptations</li> <li>• Biodiversity</li> <li>• Measuring species abundance</li> <li>• Positive and negative human interactions with ecosystems</li> <li>• Human use of ecosystems</li> </ul> <p>Geography</p> <ul style="list-style-type: none"> <li>• Natural global ecosystems</li> <li>• How humans use, modify and change ecosystems</li> </ul>
<b>Biodiversity Benefits</b>	<ul style="list-style-type: none"> <li>• What is biodiversity and how is it measured</li> <li>• Species roles within ecosystems</li> <li>• Interdependencies between species</li> <li>• Methods for promoting and protecting biodiversity</li> <li>• Impact of biodiversity loss on human life</li> </ul>	<p>Biology</p> <ul style="list-style-type: none"> <li>• Biotic and abiotic factors</li> <li>• The role of microorganisms</li> <li>• Biodiversity</li> <li>• Identifying species</li> <li>• Human interactions with ecosystems</li> <li>• Evolution and adaptations</li> <li>• Human reliance and role in ecosystems</li> </ul> <p>Geography</p> <ul style="list-style-type: none"> <li>• Natural global ecosystems</li> <li>• How humans use, modify and change ecosystems</li> </ul>

Walking expeditions for KS4 are available with a number of topic focuses to choose from:

**Evolution, Role of Zoos in Conservation, Animal Care, Careers**

These topics are flexible and can be tailored to your learners' needs. During the booking process, please outline any specific content from the list above that you would like to be included.

# KEY STAGE 5

Name	What's involved?	Curriculum Links
<p><b>Conservation in Zoos</b></p>	<ul style="list-style-type: none"> <li>• Role of zoos in species conservation</li> <li>• Genetic diversity</li> <li>• Breeding and management programmes</li> <li>• Conservation in the wild</li> <li>• Ethical considerations in conservation</li> </ul>	<p>Biology</p> <ul style="list-style-type: none"> <li>• Genetic diversity and adaptation</li> <li>• Biodiversity within a community</li> <li>• Managing captive populations of animals</li> </ul> <p>Ethics</p>
<p><b>Animal Behaviour and Welfare in Zoos (1 hour)</b></p>	<ul style="list-style-type: none"> <li>• Animal welfare procedures and assessment</li> <li>• Natural behavioural patterns</li> <li>• Enclosure design</li> <li>• Training</li> <li>• Application of animal behaviour to animal management</li> <li>• Animal behaviour (ape) observation task either before or after the workshop</li> </ul>	<p>Psychology</p> <ul style="list-style-type: none"> <li>• Research methods, scientific processes and techniques of data handling</li> <li>• Learning approaches: behaviourist</li> <li>• Reinforcement and social learning</li> <li>• The biological approach</li> </ul> <p>Biology</p> <ul style="list-style-type: none"> <li>• Human role in ecosystems</li> <li>• Managing captive populations of animals</li> </ul>
<p><b>Animal Behaviour and Welfare in Zoos (2 hours)</b></p> <p>*please note this session is subject to a higher cost to reflect length</p>	<ul style="list-style-type: none"> <li>• Animal welfare procedures and assessment</li> <li>• Natural behavioural patterns</li> <li>• Enclosure design</li> <li>• Training</li> <li>• Application of animal behaviour to animal management</li> <li>• Animal behaviour (ape) observation task during the workshop</li> <li>• Evaluation of species differences and discussion about application potential.</li> </ul>	<p>Psychology</p> <ul style="list-style-type: none"> <li>• Research methods, scientific processes and techniques of data handling</li> <li>• Learning approaches: behaviourist</li> <li>• Reinforcement and social learning</li> <li>• The biological approach</li> </ul> <p>Biology</p> <ul style="list-style-type: none"> <li>• Human role in ecosystems</li> <li>• Managing captive populations of animals</li> </ul>

Walking expeditions for KS5 are available with a number of topic focuses to choose from:

## Evolution. Role of Zoos in Conservation. Animal Care

These topics are flexible and can be tailored to your learners' needs. During the booking process, please outline any specific content from the list above that you would like to be included.