

Yorkshire Museum

Discover: Jurassic Yorkshire Teachers' Workshop Pack



Image: Discovering an ichthyosaur at the Yorkshire Museum.

© Image courtesy of York Museums Trust, photo by Anthony Chappel-Ross.

Email: schools@ymt.org.uk

Workshop overview

Venture back into the Jurassic at the Yorkshire Museum in our **Discover: Jurassic Yorkshire** workshop. Explore the museum and handle real objects from our collections as we learn about the work of Mary Anning and use rocks and fossils to discover how Yorkshire's marine reptiles and dinosaurs were adapted to their environments. Afterwards, create your own fossil cast from clay to take away with you.

Location

The Yorkshire Museum
Museum Gardens
Museum Street
York
YO1 7FR

Workshop times

10am-12.15pm.

Age group

Key Stage Two.

Numbers

Maximum group size of 34 pupils per workshop.

Session fees

There is **no charge** for our pilot workshops. Participating groups will also receive free entry to the Yorkshire Museum if they wish to make a self-guided visit after the session.



Image: One of the marine reptiles that swam in Yorkshire's Jurassic oceans.
© Image courtesy of York Museums Trust.

What to expect

During this session, pupils will:

- **Explore** our Jurassic galleries by completing two discovery challenges. Pupils will identify and classify the marine reptiles and other organisms that swam in the oceans of the Lower Jurassic, as well as the dinosaurs that roamed Yorkshire during the Middle Jurassic.
- Get **hands-on** with real artefacts using one of our Jurassic object boxes. Pupils can use rocks and fossils to find about ichthyosaurs and their ocean habitats (**Ichthyosaur Investigation**) or to learn about the plants and dinosaurs that thrived on land in Yorkshire (**Dinosaur Detectives**).
- Learn through **play** by creating a cast of a fossil from clay.

Our **Discover: Jurassic Yorkshire** workshop is led by an expert member of our Learning Team.

You can select which Jurassic object box (**Ichthyosaur Investigation** or **Dinosaur Detectives**) you would like us to deliver as part of your workshop during the booking process.

Risk assessment

You will be sent a copy of our **Discover: Jurassic Yorkshire Workshop Risk Assessment** once a booking has been made.



Image: Walking with dinosaurs at the Yorkshire Museum.

© Image courtesy of York Museums Trust, photo by Anthony Chappel-Ross.

Curriculum links

Our **Discover: Jurassic Yorkshire** workshop can be used to cover the following curriculum areas:

Key Stage Two - Science

Rocks

Pupils should be taught to:

- Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.
- Describe in simple terms how fossils are formed when things that have lived are trapped within rock.

Living things and their habitats

Pupils should be taught to:

- Explore and use classification keys to put vertebrate and invertebrate animals into groups.

Animals, including humans

Pupils should be taught to:

- Construct and interpret a variety of food chains, identifying producers, predators and prey.

Evolution and inheritance

Pupils should be taught to:

- Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
- Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.



Image: Exploring Yorkshire's coral seas © Image courtesy of York Museums Trust.

Workshop outline A (single class of up to 34 pupils)

Time	Activity	Location
10-10.35am 12.30-1.05pm	Arrival at the Yorkshire Museum. Pupils will store their belongings and receive a welcome briefing from the session lead. Pupils will learn about the work of Mary Anning and be introduced to how fossils are made through an interactive activity.	The Rec Room and The Discovery Den
10.35-11.05am 1.05-1.35pm	Pupils will split into two groups and explore our Jurassic galleries whilst alternating between the following activities: Yorkshire's Jurassic Oceans Pupils must track down five star fossils to find out about the organisms that swam in the ocean during the Lower Jurassic. Yorkshire's Jurassic Lands Pupils must hunt for five star fossils which provide evidence for the dinosaurs that roamed Yorkshire during the Middle Jurassic.	Deep Oceans (Yorkshire's Jurassic Oceans) Yorkshire's Jurassic Lands (Dinosaur Country)
11.05-11.50am 1.35-2.20pm	Pupils will get hands-on with history using one of our two Jurassic object boxes. You can choose between: Ichthyosaur Investigation This box contains rocks and fossils that give us an insight into a marine reptile known as an ichthyosaur, and how it was adapted to thrive in its ocean habitat during the Lower Jurassic.	The Discovery Den

Time	Activity	Location
11.05-11.50am 1.35-2.20pm	Dinosaur Detectives This box contains rocks and fossils that can be used to explore the plants and dinosaurs that thrived in Yorkshire during the Middle Jurassic.	The Discovery Den
11.05-11.50am 1.35-2.20pm	Pupils will learn through play by creating a cast of a fossil from clay, based off examples from the museum, as a way of exploring how fossils are formed.	The Discovery Den
11.50am-12.00pm/ 2.20-2.30pm	Plenary and evaluation	The Discovery Den

Your preferred **object box** can be selected during the booking process.

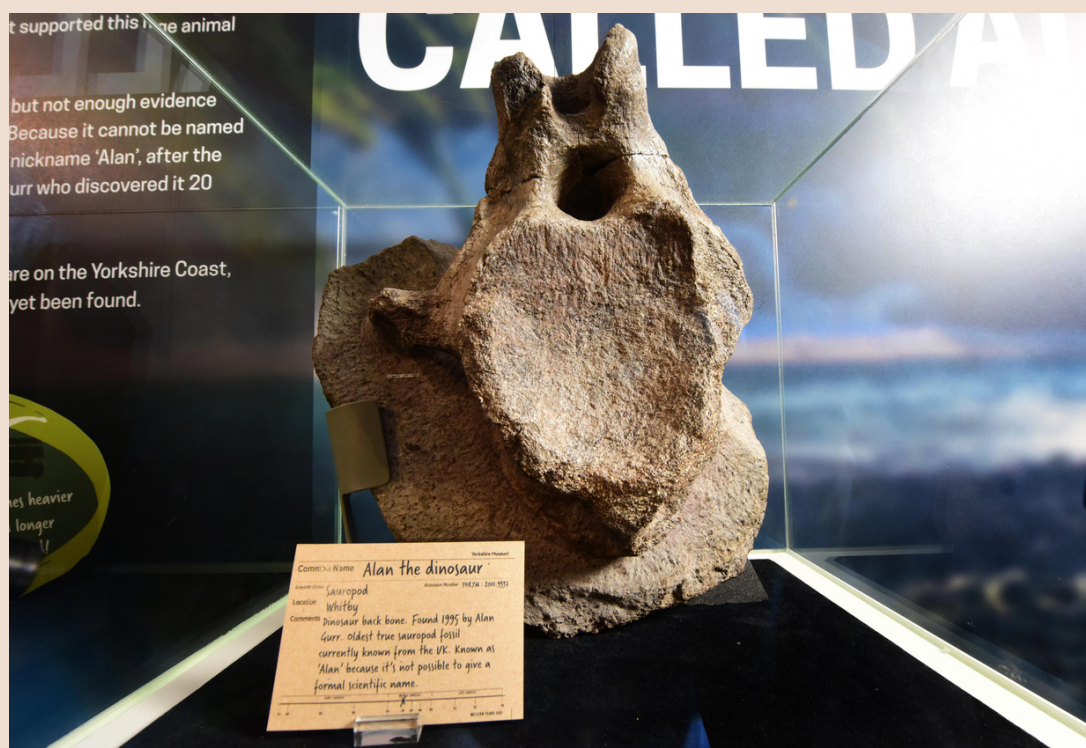


Image: The vertebra of a sauropod on display at the Yorkshire Museum.
 © Image courtesy of York Museums Trust.

Workshop outline B (two classes of up to 60 pupils in total)

Group One	Group Two
Both groups arrive at the Yorkshire Museum (10am)	
Discover: Jurassic Yorkshire Workshop (10am-12pm)	Self-guided visit to the Yorkshire Museum (10am-12pm)
Self-guided visit to the Yorkshire Museum (12-12.30pm)	Lunch (12-12:30pm)
Lunch (12:30-1pm)	Discover: Jurassic Yorkshire Workshop (12.30-2.30pm)
Self-guided visit to the Yorkshire Museum (1pm-2.30pm)	
Both groups depart the Yorkshire Museum (2.30pm)	

Cancellation Policy

If you need to cancel your workshop booking, then please give us as much notice as possible so that we can offer your slot to another group.

If a booking is cancelled less than one week before your visit date, then your school will be charged a cancellation fee amounting to 50% of the visit fee.

If a booking is cancelled less than 24 hours before your visit date, then your school will be charged a cancellation fee amounting to 100% of the visit fee.

Key vocabulary

Fossils, ammonite, fossilisation, lithification, sedimentary rock, permeable, petrification, ichthyosaur, adaptation, habitat, camouflage, coprolite, carnivore, herbivore, produce, predator, prey, theropod, sauropod.

Get in touch!

If you require further information about our **Discover: Jurassic Yorkshire** workshop or making a visit to the Yorkshire Museum, then please get in touch with our Schools Learning Team at schools@ymt.org.uk or call 01904 650348.



Image: Exploring Roman arms and armour at the Yorkshire Museum.
© Photo by Gareth Buddo, courtesy of York Museums Trust.

The Yorkshire Museum is part of York Museums Trust. Charity number 1092466.