Yorkshire Museum

Discover: Mary Anning and the Ichthyosaur Teachers' Workshop Pack



Image: Discovering an ichthyosaur at the Yorkshire Museum. © Image courtesy of York Museums Trust.

Key Stage One

Email: **schools@ymt.org.uk**

Workshop overview

Mary Anning is visiting the Yorkshire Museum and she needs your help! Work with Mary to explore our amazing fossils and discover the secrets of the organisms that swam in Yorkshire's Jurassic seas - including our incredible ichthyosaur. Afterwards, handle real fossils from our collections and create your own ammonite fossil cast to take home with you.

Location

The Yorkshire Museum
Museum Gardens
Museum Street
York
YO1 7FR

Workshop times

10-11.15am or 12.30-1.45pm.

Age group

Key Stage One.



Image: Spotting marine reptiles at the Yorkshire Museum. © Image courtesy of York Museums Trust, photo by Anthony Chappel-Ross.

Numbers

Maximum group size of 34 pupils per workshop.

We can accommodate up to two groups from your school on a single day, with a maximum of 30 pupils per group (60 pupils in total).

Session fees

£6 per pupil. For groups of 22 or less, there is a flat fee of £132 per workshop.

This includes entry to the Yorkshire Museum should you wish to make a self-guided visit before or after your workshop.

What to expect

During this session, pupils will:

- **Explore** our Jurassic galleries with Mary Anning by completing two discovery challenges. These will give pupils an insight into how ichthyosaurs were adapted to thrive in the ocean, as well as some of the other animals they shared their habitat with.
- Get **hands-on** with real fossils, and create a Jurassic oceans food chain, using our **Ichthyosaur Investigation Object Box**.
- Learn through **play** by creating a cast of an ammonite fossil to take home.

Our **Discover: Jurassic Yorkshire** workshop is led by an expert member of our Learning Team (in character as Mary Anning) with help from our School Learning Volunteers.

Risk assessment

You will be sent a copy of our **Discover: Mary Anning and the Ichthyosaur Risk Assessment** once a booking has been made.



Image: Finding fossils at the Yorkshire Museum.
© Image courtesy of York Museums Trust, photo by Anthony Chappel-Ross.

Curriculum links

Our **Discover: Mary Anning and the Ichthyosaur** workshop can be used to cover the following curriculum areas:

Key Stage One - Science

Living things and their habitats

Pupils should be taught to:

- Explore and compare the common differences between things that are living, dead, and things that have never been alive.
- Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.

Animals, including humans

- Find out about and describe the basic needs of animals, including humans, for survival.

Key Stage One - History

Pupils should be taught about:

- The lives of significant individuals in the past who have contributed to national and international achievements.



Image: Visiting the Mary Anning Rocks! gallery at the Yorkshire Museum.
© Image courtesy of York Museums Trust, photo by Anthony Chappel-Ross.

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

Time	Activity	Location
10-10.45am 12.30-12.45pm	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 i**nteractive activity**.	The Rec Room and The Discovery Den
10.45-11.10am 12.45-1.10pm	Pupils will split into two groups and **explore** our Jurassic galleries whilst alternating between the following activities: **Research Project One** Pupils must hunt for fossils that provide evidence for some of the animals that swam alongside ichthyosaurs in Yorkshire's Jurassic seas. **Research Project Two** Pupils must track down three fossils to discover how ichthyosaurs were adapted to thrive in their ocean habitat.	Mary Anning Rocks! and Coral Seas (Research Project One) Deep Oceans (Research Project Two)
11.10-11.25am 1.10-1.25pm	Pupils will get **hands-on** museum objects using our **Ichthyosaur Investigation Object Box.** This box contains fossils that tell us about life in Yorkshire's Jurassic oceans and will allow children to explore concepts such as adaptations and food chains.	The Discovery Den

Time	Activity	Location
11.25-11.40am 1.25-1.40pm	Pupils will learn through play by creating a cast of an ammonite fossil to take home.	The Discovery Den
11.40am-11.45am 1.40-1.45pm	Plenary and evaluation	The Discovery Den



Image: Discovering how fossils are formed at the Yorkshire Museum.
© Image courtesy of York Museums Trust, photo by Anthony Chappel-Ross.

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

<table>
<tr><th>Group One</th><th>Group Two</th></tr>
<tr><td colspan="2">Both groups arrive at the Yorkshire Museum (10am)</td></tr>
<tr><td>Discover: Mary Anning and the Ichthyosaur Workshop (10am-11.15am)</td><td>Self-guided visit to the Yorkshire Museum (10am-12pm)</td></tr>
<tr><td>Self-guided visit to the Yorkshire Museum (11.15am-12.30pm)</td><td>Lunch (12-12:30pm)</td></tr>
<tr><td>Lunch (12:30-1pm)</td><td rowspan="2">Discover: Mary Anning and the Ichthyosaur Workshop (12.30-1.45pm)</td></tr>
<tr><td>Self-guided visit to the Yorkshire Museum (1pm-2.00pm)</td></tr>
<tr><td colspan="2">Both groups depart the Yorkshire Museum (2.00pm)</td></tr>
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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, ichthyosaur, belemnite, pliosaur, adaptation, habitat, camouflage, coprolite, carnivore, herbivore, producer, predator, prey.

Get in touch!

If you require further information about our **Discover: Mary Anning and the Ichthyosaur** 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.