

# Evidence of Evolution

Upper KS2 School Session: Science, Art, History

## Key Info

**Duration:** Full day  
**Cost:** £250 per class+VAT  
**Max Group Size:** 35  
**Min Staff-Student Ratio:** 1:10

**Booking Process & Questions:**  
Please contact  
**mercy.wilson@  
peterboroughlimited.co.uk**  
**01733 864 731**

We are always happy to adapt to  
your needs

When the activities and date are  
agreed, a booking form and risk  
assessment are emailed to you.

To confirm the visit we ask that  
you complete the booking form  
and email it back to us.

**Pre & post visit resources:**  
Similar sessions are available as  
an outreach session.

Peterborough Museum has an extensive and impressive palaeontology collection, to enable you to work with objects from the Museum collection to explore evolutionary science.

### Learning Objectives:

- To consider how Mary Annings's discoveries changed people's understanding of the world in the Victorian times
- To recognise that fossils provide information about living things that inhabited the Earth millions of years ago.
- To gather, record, classify and present data to help answer questions.
- To be able to speculate about the possible evolutionary advantages of an organism's colouration.
- To produce their own example of paleo art.
- To understand the uses of comparative anatomy in the study of human evolution.
- To acknowledge that what scientists believe today about human evolution may change as further evidence is discovered and understood.
- To understand that there are gaps in our knowledge and that there are different interpretations of prehistory
- To value museums as centres of scientific research.

### Activity 1: Gallery session

Meet Mary Anning in the Jurassic Gallery and discover more about her life. Discuss how fossils reveal clues about an animal's appearance and habitat. Think about the effects the discoveries had on society and the scientific understanding at the time.

### Activity 2: The Colour of Nature

Colour as a form of adaptation is the focus for this session. Explore museum specimens to see how animals today use colour to adapt to their environment and to maximise their chance of survival and reproduction.

### Activity 3: Human Evolution

Explore the evolutionary relationships between present day and ancient humans. To do this they will be guided through some of the techniques employed by scientists studying human evolution. For example; observation-based comparative anatomy and, if appropriate, quantitative comparison using cranial measurements.

### Activity 4: Paleo Art

Following on from The Colour of Nature activity, pupils will apply their knowledge of adaptation in the present and in the fossil record to create a piece of paleo art; bringing to life the Jurassic seas whilst utilising and developing their scientific, analytical and artistic skills.

