

### Where and when:

**Date:** Thursday, 21 October 2021

**Time:** 11:00am

**Duration:** 30 minutes

**Location:** [bbc.co.uk/livelessons](https://bbc.co.uk/livelessons)

*This programme is available to view from home or school, and no sign-up is required.*

*Simply visit the website on the day and follow the instructions on the page to watch.*



**Curriculum links:** Science (Science and Technology/STEM) for 7-11-year olds.

- Describing how fossils are formed.
- Recognising that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
- Finding out about the work of palaeontologists such as Mary Anning and how their discoveries shaped our understanding of evolution.
- Explore how evolution is a very slow and gradual process where species change over time; we can see evidence for evolution by looking at fossils.

### Setup:

This Live Lesson will be broadcast live on the CBBC channel and simultaneously on the BBC Teach website at 11:00am.

We will be running a live commentary page on BBC Teach during the live broadcast to reflect contributions from children watching from home and school.

### How much space and equipment is needed?

The lesson can be viewed in a classroom or at home with a device (computer, tablet or mobile phone) linked to a reliable broadband connection, or watched on a television on the CBBC channel.

As we'll be asking children to get involved in activities throughout the lesson, it would be beneficial if children had the accompanying activity sheet to hand to guide them through the activities, as well as stationery such as pens and pencils.

## **Lesson content:**

This programme covers learning objectives across:

- Key Stage 2 Science curriculum for England;
- Science & Technology for Key Stage 2 (Progression steps 2 and 3) on the National Curriculum for Wales
- 2<sup>nd</sup> Level Sciences on Scotland's Curriculum for Excellence and;
- Key Stage 2 The World around us (Change Over Time) on the Northern Ireland Curriculum.

### **Section 1: The Evil Fossil Hunter sets a challenge!**

Steve Backshall will introduce the lesson from the Natural History Museum. He'll be joined by children, and they will hear from The Evil Fossil Hunter who will explain that he has stolen an important artefact and will set up a series of challenges for Steve and the children to find it..

### **Section 2: How fossils are made**

Children will watch a video about how fossils are made. They will then solve the first clue. Steve will then talk about different types of fossils. Children will then be asked to do **Activity 1**, sorting images of fossils into three different groups - body, trace or poo.

### **Section 3: Mary Anning**

Children will move onto the second clue, and will learn about famous fossil hunter Mary Anning. There will then be a related challenge, and children will complete **Activity 2**, rearranging a mixed up image of an ichthyosaur fossil.

Ask the children to cut out the paper pieces in advance, so they can easily move them around during the programme.

### **Section 4: Can the children solve the challenge?**

Steve and his helpers move onto the final part of the challenge, and learn about evolution. Children will then complete **Activity 3**, placing animal hooves in the correct order of evolution.

### **Section 5: Conclusion**

Stay tuned at the end to see if Steve and his helpers can solve the challenge and find the missing fossil!

## Contact us:

If your child or pupils are planning on watching the Live Lesson in school or at home, let us know. Email us with your school name or names of your children to [live.lessons@bbc.co.uk](mailto:live.lessons@bbc.co.uk), or get in touch using the hashtag **#bbclivelessons** and they could be featured on our live commentary page.

Send us your pupils' dinosaur mash-up drawings and we'll showcase as many as we can on our live website commentary feed.

Here is a [downloadable mash-up template](#) where the children can draw their dinosaurs!

Simply ask them to put two types of dinosaur together to create a new species - then tell us what it's called, what it can do and how deadly it is!

*If you are sending in any images or videos that feature children, please ensure that you have parental or guardian permission, as they may be shown on our website. Please be aware that the BBC may ask you to demonstrate that you have received verifiable parental consent. In the email, please confirm your official relationship to the child/children featured, e.g. teacher, Brownie group leader, sports coach etc. and confirm that you have sought prior parental consent. Please also ensure the material is not sensitive or controversial. Read our terms and conditions at [bbc.co.uk/usingthebbc](http://bbc.co.uk/usingthebbc) for more information.*