**Explore online**

**Online videos and activities**

[**Something about nothing**](https://www.youtube.com/watch?v=9Y7gAzTMdMA) - This video from the Royal Institute explores everything about the number zero, which has a really interesting history, and didn’t always exist! It’s only a few minutes long and well worth a watch, regardless if you are into maths or not!

[**Dinosaurs at the NHM**](https://www.youtube.com/watch?v=G_mtaxUyFDs&feature=youtu.be) - Explore this video about everything you’ve ever wanted to know about dinosaurs! Go behind the scenes of the NHM to learn about dinosaurs from a world expert on these amazing animals!

[**Explore Water on Mars**](https://www.youtube.com/watch?v=s4j9SL9qHwA) - Learn about Mars and explore how researchers study distant planets and discover the search for life and water on Mars in this video from the Natural History Museum. You’ll also see how anyone can explore planets just by looking out of a window, with no equipment needed!

[**Get flying with paper planes**](https://www.youtube.com/watch?v=54noZe-0B1c) - Although paper planes are easy to make, the physics behind how they fly is very interesting! In this video you can see five different designs to try yourself at home! Which design worked best for you?

[**The wonderful world of bugs on your doorstep**](https://www.youtube.com/watch?v=0ygxrGl6eNA) - Check out this excellent video about bugs from our friends at the Natural History Museum. Although bigger animals often get all the attention the little creatures are important too. Did you know there are more species of beetle on this planet than any other animal?

[**Science at Home Tips**](https://www.youtube.com/watch?list=PLbnrZHfNEDZwQDZ7PR50NLf0xMMOklTxc&v=xLmYEuEhYzU) - Doing science might sound scary and to help the Royal Institution have put together this great video on doing science at home! Remember science is about asking questions, trying something and exploring what happens, not always getting it right!

[**Dinosaur live with the NHM**](https://www.youtube.com/watch?v=La47Fk2bNa8) - If you want a little natural history, why not check out this excellent video about Dinosaurs from our friends at the Natural History Museum.  It’s great for adults and children.

[**How to look inside a volcano**](https://www.youtube.com/watch?v=jYuA_2SEokI)**-**Explore Earth Science in this amazing [talk about volcanoes by our superstar researcher Chris Jackson](https://www.youtube.com/watch?v=jYuA_2SEokI). It’s 50 minutes long and gives a detailed look at the science behind volcanoes (and also gives Shepherd’s Bush a shout out if you listen long enough!).

[**10 quick craft activities to try at home**](https://imperialcollegelondon.box.com/s/64qexiw7vftmznwvgz0pdveyeupnhnqy)**-**Here we have put together ten activities for you to try at home. They range from paper planes to building towers and writing comic books, so there is something for everyone.

[**Explore the World of Whales**](https://www.youtube.com/watch?v=NDcVm7itYCs) - Our friends at the Natural History Museum have [made lots of videos](https://www.youtube.com/user/naturalhistorymuseum) about the natural world and their collections. In this video you can learn about the amazing world of whales, in particular the blue whale which is the largest animal ever to have lived.

[**Chrome Music Labs**](https://musiclab.chromeexperiments.com/) This site from [Chrome Music Labs](https://musiclab.chromeexperiments.com/) has loads of different ways to experiment with sound and making music. You can make rhythms, write songs, and even draw pictures to see what sounds they could make! It’s a great way for people of all ages to explore making music without the Latin words and musical notation that can put people off at the start. We particularly like [the rhythm section.](https://musiclab.chromeexperiments.com/Rhythm/)

[**Extreme Sharks**](https://www.youtube.com/watch?v=RX1rUxQj2pg)**-**Sharks have been on the planet for millions of years! Although they have a fearsome reputation, they are really important to ocean life, helping to keep the oceans healthy. In [this live show](https://www.youtube.com/watch?v=RX1rUxQj2pg) you can join scientists from the Natural History Museum and learn more about sharks and why they are so important. The show is suitable for children, but also interesting for adults too, so do watch together if you can!

[**Explore the Fire of London**](http://www.fireoflondon.org.uk/story/the-fire/) - In 1666 a huge fire burned through the City of London, burning most of the old city. This changed London forever, as the city was rebuilt, with lots of the old wooden houses replaced with the brick we see today. The Museum of London has lots of great resources to explore London’s history, and you can learn more about the fire [here](http://www.fireoflondon.org.uk/story/the-fire/). You can also explore the fire through [Minecraft](http://www.fireoflondon.org.uk/minecraft/) by downloading these maps!

[**Explore Ice Age Giants**](https://www.youtube.com/watch?v=ajWXv8WBuQQ) - 50,000 years ago most of the world was covered in ice as the planet was in the grips of an Ice Age! Find out about the amazing animals that roamed the Earth during this amazing period. Explore how they lived and why they disappeared with this video from the National History Museum. Did you know that mammoths were another type of elephant? After the video why not try drawing a mammoth (or any elephant) the easy way, with this [hand print method.](https://www.youtube.com/watch?v=xxLI4opkv-U)