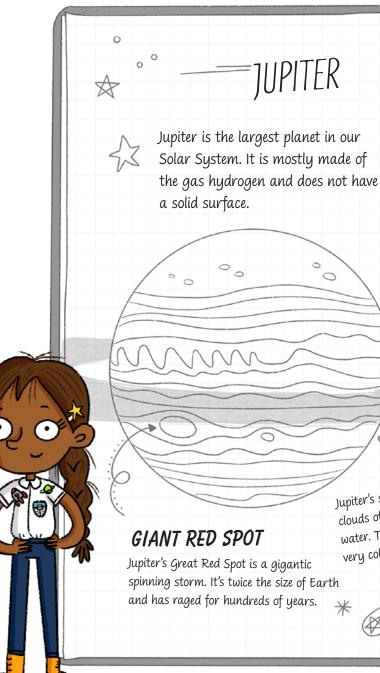
Join The Secret Explorers on a STEAM adventure!







DK

Jupiter's stripes are clouds of ammonia and water. The clouds are very cold and windy.

Jupiter's Great Red Spot is a gigantic spinning storm. It's twice the size of Earth and has raged for hundreds of years.

FACT FILE

Earth

Jupiter

Jupiter's rings are

1111

A YEAR ON

JUPITER IS THE

SAME LENGTH AS 12 EARTH YEARS!

made of dust.

42

X

* *Size*: Jupiter is the largest planet in the solar system. You could fit 1,321 Earths inside Jupiter! If Earth were the size of a grape, Jupiter would be the size of a basketball.

* Distance from Sun: Jupiter orbits about 778 million km (484 million miles) from the Sun. Earth is 150 million km (94 million miles) away from the Sun.

Moons: Scientists now * think Jupiter has 79 moons, but they're finding more all the time. The four biggest moons are Ganymede, Io, Callisto, and Europa.

* Length of a day: A day on Jupiter only lasts 10 hours – this is how long it takes to rotate on its axis.

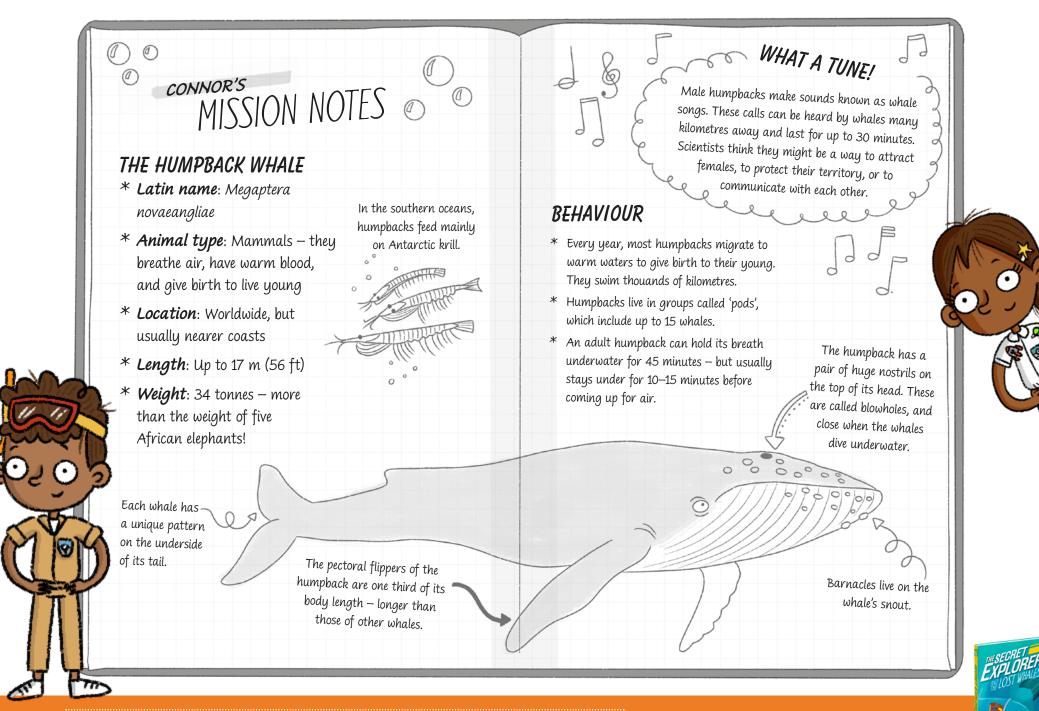


Discover everything about Jupiter with Roshni and Ollie, and answer the questions below: 1. How many moons does Jupiter have? 2. What are Jupiter rings made of? 3. How many times could Earth fit into Jupiter?

IUPITER

0 0

> Content taken from The Secret Explorers and the Comet Collision Also available: Audiobook narrated by actor Alfred Enoch



DK

Have you ever seen a whale? Read this page from Roshni's and Connor's mission notes. 1. What is a name of a group of whales? 2. What do humpback whales eat? 3. For how long can an adult humpback whale hold its breath under water? Suit Content taken from *The Secret Explorers and the Lost Whales* Also available: Audiobook narrated by actor Alfred Enoch

HOW A FOSSIL IS MADE =

Fossils are the remains of things that have been dead for millions of years. All sorts of life forms have fossilised, from spectacular Stegosaurus skeletons to tiny ammonite shells. Fossils help us understand how life on our planet has changed over millions of years. Scientists called palaeontologists dig up and study fossils.

STEP 1 A creature dies and its body sinks into the mud by a river.

STEP 2 The creature is buried in layers of mud, sand, and ash over a period of millions of years.

ure

STEP 3 The skeleton of the creature turns from bone to stone. **STEP 4** The fossilised creature is uncovered by palaeontologists. They dig out the fossil and coat it in plaster to protect it. The fossil is then sent to a laboratory to be studied or to a museum to be displayed. Types of fossil * Body fossils, such as bones, teeth, and shells * Petrified fossils, which are soft tissues, such as muscle and leaves * Trace fossils, such as fossilised footprints, which tell scientists about a creature's behaviour

* Coprolites – fossilised poos!



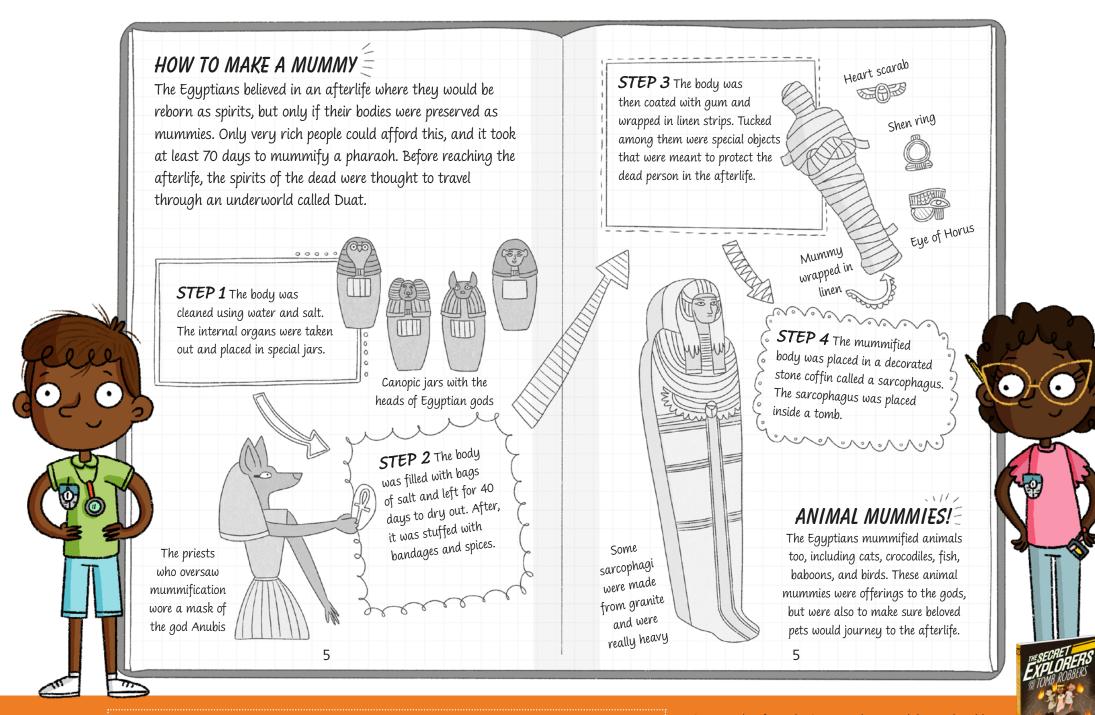


Travel back in time with Tamiko and Cheng to study the age of dinosaurs. 1. What is the name of a scientist who studies dinosaurs? 3. What is a coprolite?

Suitable for 7-9 years

Content taken from *The Secret Explorers and the Jurassic Rescue*

Also available: Audiobook narrated by actor Alfred Enoch





Go up against thieves in Ancient Egypt with Gustavo and Kiki and learn all about mummification. **1. How long did it take to mummify a pharaoh?**

3. How was the stone coffin where the pharaohs were placed called?

lled? Suitable for 7-9

Content taken from *The Secret Explorers and the Tomb Robbers* Also available: Audiobook narrated by actor Alfred Enoch