STRETCH AND CHALLENGE

CHRISTMAS ACTIVITIES | **BIOLOGY**

WEBSITES

The Royal Institution

Human body

From cell cycles and DNA, to skeletons and sporting heroes, find out more about how the human body works by playing our interactive games and quizzes.

Christmas decorations

Make a sparkly DNA Christmas decoration.

Animal quiz

Try this animal quiz on the twelve days of Christmas.

TED talk

David Gallo shows jaw-dropping footage of amazing sea creatures, including a colour-shifting cuttlefish, a perfectly camouflaged octopus, and a Times Square's worth of neon light displays from fish who live in the depths of the ocean.

Read this article

- Discuss with your parents/friends the pros and cons of various forms of transport for Santa. What is your conclusion?
- Would you like to share a bus with Santa as he delivers his presents?
- The figures used in the article are not universally agreed upon, can you find different figures to support/challenge your arguments?
- What could Santa feed his reindeer to reduce their methane emissions?
- Why are Brussel sprouts linked to methane emissions in popular jokes?

THINGS TO WATCH

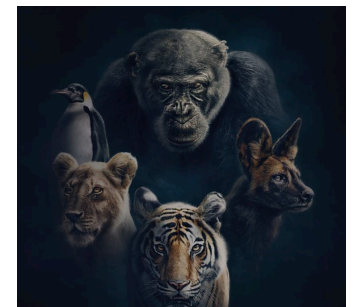## The Royal Institution Christmas lectures

Who am I?

Join biological anthropologist Alice Roberts, and genetics expert Aoife McLysaght, as they bring our evolutionary story to life and ask challenging questions about the future.

I know many of you are watching and enjoying David Attenborough's new series. The Christmas holidays are a good time to catch upon any episodes that you have missed.

Dynasties

THINGS TO LISTEN TO

The Naked Scientists celebrate the holidays with the 12 scientific days of Christmas. From why 9 ladies like to dance to making those 6 geese eggs into bouncy balls...

12 scientific days of Christmas

A History of Delusions

Experimental Psychologist Daniel Freeman explores cases of delusion in ten fifteen minute podcasts

THINGS TO READ

The New Scientist Christmas edition would make a great addition to your stocking