SCIENCE

Welcome to the Science Super Curriculum. Below you'll find a whole host of things to do to stretch yourself beyond the classroom curriculum.

In this month's Super Curriculum we will explore the exciting science behind nuclear fusion. Can we harness the same reactions that power the sun and stars, here on Earth? Scientists are tantalisingly close to managing this amazing feat of physics after decades of work.

Could nuclear fusion on Earth create a powerful and sustainable energy source without needing to burn fossil fuels? If so, greenhouse gas emissions and climate change may become issues of the past. Have a look at our resources this month to find out more, including how to make your own model from marshmallows!

READ

This article discusses the breakthroughs in this field after over 40 years of work:

Nuclear fusion: new record brings dream of clean energy closer - BBC News

Read this interesting article about how mayonnaise can help us understand fusion:

Mayo is weirdly great for understanding nuclear fusion experiments - sciencenews.org

WATCH

Watch this TED talk explaining what Nuclear fusion is:

How close are we to powering the world with nuclear fusion? - YouTube

LISTEN

Listen to this podcast from the University of Oxford explaining nuclear fusion:

Nuclear Fusion - podcasts.ox.ac.uk

DO

Have a go at making a model of nuclear fusion using marshmallows!

Nuclear Fusion: How are elements created in stars? - nightsky.jpl.nasa.gov