

# 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.**

Winter is changing fast – and the science behind it is as fascinating as it is urgent. From athletes contending with harder snow and unpredictable ice to researchers uncovering how warming winters weaken frozen lakes, the world of ice is being reshaped before our eyes. Explore articles, videos, podcasts and hands-on experiments that reveal the hidden physics of snowflakes, the fragile beauty of lake ice and the cutting-edge research tracking our warming planet.

## READ

Read this article about the impact of climate change on winter sports:

[As winters warm, athletes must cope with harder snow and tricky ice](#) - snexplores.org

## WATCH

Watch this video from York University about their research into how climate change is affecting how ice forms on lakes:

[Warmer winters are causing lake ice quality to degrade](#) - YouTube

## LISTEN

Listen to the BBC Podcasts about the cutting-edge science of ice:

[Unexpected Elements - Science on Ice](#) - BBC Sounds

[Curious Cases: Frosty Fractals](#) - BBC Sounds

## DO

Investigate the science of ice melting using this range of practical ideas from The European Space Agency:

[The ice is melting](#) - stem.org.uk