Lesson details

# Lesson name

Energy storage: How geology can help to balance supply and demand

# Subject

Science / Geography

# Age range

11-14

# Resource type

Lesson (complete)

# Curriculum links

National Curriculum > Key stage 3 > Geography > Human and physical geography

Curriculum for Excellence > Third level > Science > Planet Earth > Energy sources and sustainability

# Description

A complete lesson with video and worksheets on the topic of energy storage. Compatible with remote teaching.

Outline:

To investigate how renewable energy can be stored, using the context of home heating.

Activities:

* Video introduction to large-scale energy storage as a solution to the challenges of balancing the UK’s energy demand with the variable and intermittent supply from renewable energy resources
* Drawing and analysing bar chart of temperature data​
* Mapping locations using six-figure grid references
* Interviewing a family member about home heating systems