

# Bitesize: The Regenerators Climate Change - Live Lesson

Teacher and parent/carers guide

## Where and when:

**Date:** Wednesday, 10 November 2021

**Time:** 11:00am

**Duration:** 30 minutes

**Location:** [bbc.co.uk/livelessons](https://bbc.co.uk/livelessons)

*This programme is available to view from home or school, and no sign-up is required.*



*Simply visit the website on the day and follow the instructions on the page to watch.*

**Curriculum links:** KS2 Science/The World Around Us/PSHE for 7-11 year-olds.

- Recognising that environments can change and that this can sometimes pose dangers to living things.
- Taking care of resources and not wasting them and being conscious of the importance of creating a sustainable future.
- Explore some of the processes which contribute to climate change and discuss their impact.

## Setup:

This Live Lesson will be broadcast live on the CBBC channel and simultaneously on the BBC Teach website at 11:00am.

We will be running a live commentary page on BBC Teach during the live broadcast to reflect contributions from children watching from home and school.

## How much space and equipment is needed?

The lesson can be viewed in a classroom or at home with a device (computer, tablet or mobile phone) linked to a reliable broadband connection, or watched on a television on the CBBC channel.

There are no worksheets for this lesson, but there will be activities in the lesson that children can take part in. We will be encouraging children to recycle and use scrap paper to write on during activities.

## **Lesson content:**

This programme covers learning objectives across:

- Key Stage 2 Science and PSHE for England;
- Science and Technology for Key Stage 2 on the National Curriculum for Wales;
- 2<sup>nd</sup> Level Sciences and Social Studies on Scotland's Curriculum for Excellence and;
- Key Stage 2 The World Around Us - change over time on the Northern Ireland Curriculum.

### **Section 1: Introduction to lesson and climate pledges**

Before the lesson starts, children will watch a video of young inspiring climate heroes. The presenters will then start the lesson by analysing two different climates that can be found on Earth. They will also ask for climate change pledges which will be added to a tree in the studio. For a chance for them to be featured on the programme or on our live commentary page, email [live.lessons@bbc.co.uk](mailto:live.lessons@bbc.co.uk)

### **Section 2: The Regenerators and weather**

Children will watch a video about the [The Regenerators](#), from BBC Bitesize. They will then learn about what a climate is. The presenters will talk about how the climate has been changing over the years due to the weather, temperature and the amount of gases in the atmosphere. There will be an activity spotting the difference in climates using satellite images.

### **Section 3: The greenhouse effect and what we can do to help**

The presenters will analyse the causes of climate change, specifically the greenhouse effect. They will also look at the effects of fossil fuels, deforestation, methane gas and travel. Children will talk about what their ideas are to help with climate change.

### **Section 4: Helping the planet and your pledges**

Children will watch a video hearing from lots of people who have made small and big changes to help the planet. They will then do an activity where they will think about their own pledge to tackle climate change, and be asked to display it at home or school as a reminder to keep doing it. The presenters will also reveal their pledges. Children will do another activity looking at different items and thinking of how they can use more environmentally friendly ones. For example, using a reusable bottle instead of a plastic bottle.

### **Section 5: Special guest and pledge tree**

The presenters will speak to a special guest about what climate change means to them. The programme will finish by looking at how many pledges are on the tree.

## Contact us:

If your child or pupils are planning on watching the Live Lesson in school or at home, let us know. Email us with your school name or names of your children to [live.lessons@bbc.co.uk](mailto:live.lessons@bbc.co.uk), or get in touch using the hashtag **#bbclivelessons** and they could be featured on our live commentary page.

If you would like to send us your pupils' pledges to help tackle climate change, simply email us with CLIMATE CHANGE in the subject heading.

*If you are sending in any images or videos that feature children, please ensure that you have parental or guardian permission, as they may be shown on our website. Please be aware that the BBC may ask you to demonstrate that you have received verifiable parental consent. In the email, please confirm your official relationship to the child/children featured, e.g. teacher, Brownie group leader, sports coach etc. and confirm that you have sought prior parental consent. Please also ensure the material is not sensitive or controversial. Read our terms and conditions at [bbc.co.uk/usingthebbc](http://bbc.co.uk/usingthebbc) for more information.*