

CLIMATE SCHOOLS PROGRAMME

Teacher Overview

1 What is the Climate Schools Programme?

The Climate Schools Programme offers science, geography and English lessons and extra-curricular club resources to UK state-funded secondary schools to inspire the next generation to explore green engineering careers and tackle climate change head-on.

2 Why should your school get involved in the Climate Schools Programme?

The programme focuses on the engineering and technology solutions to tackle and adapt to climate change in order to extend your teaching of this topic beyond impacts, which, by itself, can be anxiety inducing. Resources and support to embed this approach to climate education are provided at no cost to your school.

[Sign up here](#)

3 Who is the Climate Schools Programme designed for?

The Climate Schools Programme activities are designed for use with 11 to 14 year olds, key stage 3 or third level students.

The programme aims for all young people to explore solutions to tackling climate change, not just those who already have a passion for STEM. We hope the programme enables everyone to see climate action and engineering and technology as relevant to them, and for them to feel more positive about both. Therefore, we encourage you to prioritise the involvement of young people from the following groups, as appropriate, in the lessons (as we know these groups are underrepresented in engineering and technology and may not currently see it as for them):

- girls
- disabled young people and those with Special Educational Needs
- those from UK minority ethnic backgrounds, including in particular Black, Black British, Caribbean or African young people
- free school meal recipients

4 What do I get from the Climate Schools Programme?

4.1 Lesson plans and resources

SCIENCE LESSONS	GEOGRAPHY LESSONS	ENGLISH LESSONS
<p>Lesson 1A: Energy in our lives and the move to green technologies</p>	<p>Lesson 1A-1: Introduction to Net Zero by 2050</p>	<p>Lesson 1A: Exploring how persuasive language is used in climate reporting</p>
<p>Lesson 1B options: Electricity Heating Transport</p>	<p>Lesson 1A-2: Impact of Net Zero on our lives</p>	
<p>Practicals: Create a wind turbine Make a solar oven Make an electromagnetic motor</p>	<p>Lesson 1B-1: Planning an onshore wind farm</p>	<p>Lesson 1B: Debating an aspect of climate action</p>
	<p>Lesson 1B-2: Presenting options for an onshore wind farm</p>	

4.2 Climate Schools Programme Climate Action Club activities

LEADER RESOURCES	STUDENT RESOURCES	THEME PACKS
<p>Guide</p>	<p>Project planning materials</p>	<p>1. Biodiversity</p>
<p>Mini-energiser activities</p>		<p>2. Energy</p>
<p>Competition & Awards guide</p>	<p>Skills based activities</p>	<p>3. TBC</p>

5 What will I be expected to report back to the Climate Schools Programme?

5.1 Attendance form

During the pilot phase, we will be asking you to complete an attendance form so we can keep track (anonymously) of who has received the lessons. We would appreciate it if you filled this in for every lesson you deliver. The link is here and you will be sent regular reminders: [Attendance form Climate Schools Programme](#).

5.2 Feedback form

Every half term you will also be sent a feedback survey to get your impression of how the content is working. You only need to fill this in if you have used any of the programme resources: [Feedback survey Climate Schools Programme](#).

5.3 Interviews and observations

You are also welcome to get involved with our extended evaluation of this programme, which is more in depth.

If you choose to take part, you may be invited to participate in one or more of the following:

- a. Pre-lesson interview – a member of our evaluation team will schedule a call with you before you plan to run your lesson to learn about your motivations for joining the programme and your approach to delivering the lesson(s).
- b. Post-lesson interview – we will schedule a call with you after the lesson to gather insights into your experience and any feedback you'd like to share.
- c. In-person lesson observations – following your school's safeguarding requirements for external visitors, a team member may attend in person to observe the lesson.

6 Do I get any rewards for taking part?

Teachers and schools participating in the programme will receive incentives as a thank you for your time. The incentives will be:

- A pack of green careers resources for your school if you fill in the attendance form
- A £10 voucher per teacher for completing the feedback survey
- A total of £100 voucher per teacher who completes both pre and post interview
- A total of £250 voucher for schools who take part in the lesson observations

7 Underlying principles of the Climate Schools Programme

Principle 1

The Climate Schools Programme should not incur high equipment costs to run

Principle 2

Students become more confident in their ability to have a positive impact on climate change, and can identify potential solutions for climate problems

Principle 3

Students understand the roles of engineering and technology in addressing climate change

Principle 4

Students have their horizons broadened and are supported to achieve their full potential through development of existing and new skills

Principle 5

We showcase relatable role models from a variety of backgrounds and pathways into engineering and technology, focusing on early career professionals, apprentices and/or students

Principle 6

Students see careers in engineering and technology as suitable for them, regardless of their background, gender, or ethnicity

Principle 7

We will seek to link with and be complementary to existing climate-focused programmes

Sign up here: [Sign up — Climate schools programme](#)

Email us on csp@engineeringuk.com if you have any queries.