

Climate Culture

at Earth Trust

Session details

Developed for upper Key Stage 2

Capacity: Up to 60 pupils per day

Timings: 10am - 2pm

Cost: £10 per child; minimum £250 per session.

Timetable

10:00 Arrive at Earth Trust Centre and settle in

10:30 Intro and Climate Change Challenge

12:00 Lunch @ Earth Lab

12:45 Complete Challenge and Plenary

14:00 Collect bags and depart

Your visit

A warming Earth and rapidly changing climate is presenting unprecedented new challenges for humanity. Experts warn we are passing the point of no return and that urgent action is required from everyone, everywhere. We must act together, with common purpose. We must reduce our greenhouse gas emissions and restore the natural world whilst adapting our way of life for an increasingly extreme and unpredictable climate. We have the power to make it happen.

Throughout the day, your young people will work scientifically on a 'Climate Culture Challenge', set by Earth Trust's CEO Jayne Manley. They will observe - make predictions - collect data - problem solve and think critically - before working as a class to formulate their conclusions and discuss climate solutions which could be implemented in their own school. They will leave eager to learn more, and motivated and empowered to make change happen.

Learning Objectives

Immersing themselves in our unique outdoor classroom, pupils will:

- Define Climate Change and understand how it is impacting humanity and the natural world.
- Understand the greenhouse effect by monitoring an experiment throughout the day.
- Understand major sources of greenhouse gas emissions and how we can reduce them.
- Explore our built environment to understand how different materials can be used to help us adapt to our future climate.
- Work scientifically by predicting, observing, measuring, problem solving and thinking critically.

About Earth Trust

Championing access and engagement
with natural green spaces for everyone
www.earthtrust.org.uk

Little Wittenham, Oxford OX14QZ

Registered charity no. 1095057 Company no. 4381522



Book now

learning@earthtrust.org.uk

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National Curriculum links

The activities in this session have been developed to link with the Key Stage 2 National Curriculum in science & Mathematics. Our cross curricular teaching style also brings in Engineering and Technology.

Science

Working scientifically

- Observing closely using simple equipment; gathering and recording data.
- Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.
- Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Using test results to make predictions to set up further comparative and fair tests.
- Recognise that scientific ideas change and develop over time.
- Draw conclusions based on their data and observations, use evidence to justify their ideas, and use their scientific knowledge and understanding to explain their findings.

Light

- Exploring the way that light behaves, including light sources, reflection and shadows. Talk about what happens and make predictions.

Properties and Changes of Materials

- To give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic by investigating thermal conductors and insulators

Mathematics

- Multiply and divide numbers mentally drawing upon known facts.

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