

Feed the World

at Earth Trust



Session details

Developed for upper Key Stage 2

Capacity: Up to 40 pupils per day

Timings: 10am - 2pm

Cost: £11 per child; minimum £275 per session.

Timetable

10:00 Arrive at Earth Trust Centre and settle in

10:30 Intro + Feed the World Challenge

12:00 Lunch @ Earth Lab with Pizza

12:45 Crop evolution workshop and Plenary

14:00 Collect bags and depart

Your visit

Humans have dramatically transformed planet Earth since the invention of agriculture 12,000 years ago. Since this inflection point in our history, humans have been converting natural ecosystems into farmed landscapes. Today approx. 38% of Earth's land surface is used to grow food, mostly in an intensive fashion, leaving little room for other species. We now recognise this is a problem, with many farmers around the world changing the way in which they grow food to be sustainable, whilst making space for nature.

Throughout the day, your young people will work scientifically on a 'Feed the World Challenge' to find out how food can be grown in a sustainable, nature friendly way. They will make predictions - observe, identify and classify - problem solve and think critically as they make their way through the challenge. **The day includes making pizza in our woodfired oven using wheat flour from Earth Trust and tomatoes from our Kitchen Garden!**

Learning Objectives

Immersing themselves in our unique outdoor classroom, pupils will:

- Understand that growing our food uses land at the expense of the natural world, and that most food is grown intensively using chemical fertilisers and pesticides.
- Learn that food can be produced in a way which is beneficial to nature and the planet, and that insects are essential partners in our food ecosystem.
- Explore the Earth Trust farm to experience food production in action.
- Learn that our crops and farm animals have evolved from from wild ancestors over thousands of years through deliberate breeding by humans.
- Work scientifically by predicting, observing, 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 and mathematics. Our cross curricular sessions also involve technology, geography, healthy living and art.

Science

Working scientifically

- Observing closely using simple equipment; identifying and classifying; 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.

Living things and their habitats & Evolution and Inheritance

- Adaptations, food chains and life cycles.
- Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.
- Give reasons for classifying plants and animals based on specific characteristics.
- Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.
- Be introduced to the idea that characteristics are passed from parents to their offspring.
- Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

Mathematics

- Multiply and divide numbers mentally drawing upon known facts.

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