

Sustainability is the Solution

Workshop description:

Students consider the multiple environmental problems that stem from over-consumption. They find out about One Planet Living and how we need to change the way we live to remain within the limitations of Planet Earth.

Summary of workshop:

- Brainstorm different environmental problems.
- Concept of One Planet Living.
- Look at how waste is an indicator of levels of consumption.

Time: 35mins-45mins (plus optional 15min footprinting activity)

Number of students: 7-200

Suitable for years: 8-13

Misconceptions:

- That our levels of consumption in the UK do not affect the rest of the world.
- That the only problem with waste is that we're running out of landfill space.

Learning outcomes

By the end of the workshop pupils should be able to:

- Name an environmental issue that is caused by over-consumption.
- Give a simple explanation of the term "ecological footprint" or "one planet living"
- State one thing they could do to reduce their own ecological footprint.

Vocabulary: **KS3** – Consumption, Ecological footprint

KS4 – Deforestation, Desertification

Resources: (All supplied by SWAP unless stated otherwise.)

Projector and laptop **or memory stick if the school has the necessary ICT system in place.**

Country names

Planet Earths for each country

Duration

2mins

2mins

10-15mins

10mins

9-15mins

2mins

15mins

Teaching and Learning activities:

Introduce myself, SWAP and what we will be doing in this workshop.

Students brainstorm as many different environmental issues as they can. These are then linked to over-consumption.

The concept of One Planet Living is explained using a power point presentation.

7 students volunteer to represent people from 7 different countries and guess what their ecological footprints are.

Waste is an indicator of over consumption. Students are shown how wasteful we are in the UK and how this needlessly uses up resources and energy.

Summing up.

(There is an option to add on a simple ecological footprinting activity, this will take about 15 minutes.)