

PLANET COOL

TIME REQUIRED	30 minutes	LESSON RESOURCES <ul style="list-style-type: none">• Web access• Greenhouse Effect interactive• Before and After [Flash cards]
INTENDED AGE RANGE	Foundation	
CURRICULUM AREAS	The World Around Us, Language and Literacy, Personal Development and Mutual Understanding, The Arts	

LEARNING OBJECTIVES

Pupils need to have some understanding that:

- To understand what climate change is.
- To discover how wildlife is at risk from climate change.

DIFFERENTIATION

Pupils work in mixed ability groups supporting peer mentoring for weaker students.

PRIOR KNOWLEDGE

Pupils need to have some understanding that:

- There are different forms of energy.
- Sources of energy can be renewable or non-renewable.
- Electricity is a form of energy.

LINKS TO THE CURRICULUM

These lesson plans have been designed to support teaching of the curriculum for Northern Ireland. A brief summary of how curriculum objectives are met is included below.

NORTHERN IRELAND

The World Around Us

Pupils discuss the issue of Climate Change; they do this by focusing on the Greenhouse Effect.

Language and Literacy

Pupils watch an interactive presentation on the Greenhouse Effect; they then engage in a card game involving the effects of climate change, reinforcing what they have learned in the lesson.

Personal Development and Mutual Understanding

Pupils discuss how human activity causes climate change and the effects this has on animals.

The Arts

Pupils draw an animal that is at risk from global warming.



ECO-SCHOOLS

The delivery of these lessons and activities will help your school qualify for an Eco-Schools Award. To gain an award you will need to show that environmental issues have been covered in curriculum work. You can find the Curriculum links included at the end of this lesson plan.

STARTER ACTIVITY

5 MINS

Before showing the pupils the **Greenhouse Effect Interactive**, engage with them by asking them the following questions.

Q: Who has been inside a greenhouse?

Q: What is it like?

Q: What is it used for?

Teacher uses the Greenhouse Effect presentation to introduce the topic of Climate Change to the pupils and can discuss any issues that arise from it.

MAIN ACTIVITY

10 MINS

Activity Resource: Greenhouse Effect interactive

Show pupils the **Greenhouse Effect interactive** discussing any issues which may arise from it.

Discuss the topic further by asking the pupils the following question:

Q: How do we cause climate change?

GROUP ACTIVITY

15 MINS

Activity Resource: The effects of climate change flash cards

Show pupils the climate change images.

By looking at these images children will be able to see some of the effects of climate change.

EXTENSION

20 MINS

Encourage the pupils to talk about what they've learnt in the lesson.

- The Greenhouse Effect is a result of climate change.
- Climate change has a negative effect on the environment.

INDIVIDUAL ACTIVITY

10 MINS

Activity Resource: Animal worksheet

Each child will either draw or colour in an animal that has been affected by global warming.

