



Lesson 8: What Mitigation and Adaptation can we do in Wigan & Leigh?

This lesson is designed to last 1 hour and will explore what students understand about reducing the impact of climate change.

As a result of participating in this session, students will be able to:

- **UNDERSTAND** how their personal choices affect climate change.
- **APPLY** their knowledge to suggest ways of reducing the impact of climate change.

Curriculum Links

Key-Stage 3 Geography

Human and Physical Geography

- Understand, through the use of detailed place-based exemplars at a variety of scales, the key processes in:
 - Physical geography relating to geological timescales and plate tectonics; rocks, weathering and soils; weather and climate, including the change in climate from the Ice Age to the present; and glaciation, hydrology and coasts.
 - Human geography relating to population and urbanisation; international development; economic activity in the primary, secondary, tertiary and quaternary sectors; and the use of natural resources.
- Understand how human and physical processes interact to influence and change landscapes, environments and the climate; and how human activity relies on the effective functioning of natural systems.

Geographical Skills and Fieldwork

- Use Geographical Information Systems (GIS) to view, analyse and interpret places and data.
- Use fieldwork in contrasting locations to collect, analyse and draw conclusions from geographical data, using multiple sources of increasingly complex information.

Key-Stage 3 Science

- Earth as a source of limited resources and the efficacy of recycling.
- The production of carbon dioxide by human activity and the impact on climate.

Lesson Resources

- Pledge worksheets

10 mins	<p>Introduction/Do Now Task:</p> <p>Ask students to, individually, consider the kind of steps that they could do to mitigate the effects of climate change. Share a sample of ideas.</p>														
15 mins	<p>Starter Task:</p> <p>How can we manage climate change in Wigan & Leigh?</p> <p>Ask students to complete this table, working in pairs, to suggest why each of these steps could make a useful contribution to reducing the impact of climate change. The empty rows are for students to insert their own ideas.</p> <table border="1" data-bbox="373 611 1388 949"> <thead> <tr> <th data-bbox="373 611 880 678">Strategy to adopt</th> <th data-bbox="880 611 1388 678">Positive impact resulting</th> </tr> </thead> <tbody> <tr> <td data-bbox="373 678 880 723">Public transport</td> <td data-bbox="880 678 1388 723"></td> </tr> <tr> <td data-bbox="373 723 880 768">Walking and cycling</td> <td data-bbox="880 723 1388 768"></td> </tr> <tr> <td data-bbox="373 768 880 813">Plant-based diet</td> <td data-bbox="880 768 1388 813"></td> </tr> <tr> <td data-bbox="373 813 880 857">Renewable energy technologies</td> <td data-bbox="880 813 1388 857"></td> </tr> <tr> <td data-bbox="373 857 880 902">Planting trees</td> <td data-bbox="880 857 1388 902"></td> </tr> <tr> <td data-bbox="373 902 880 947">Shopping local</td> <td data-bbox="880 902 1388 947"></td> </tr> </tbody> </table>	Strategy to adopt	Positive impact resulting	Public transport		Walking and cycling		Plant-based diet		Renewable energy technologies		Planting trees		Shopping local	
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15 mins	<p>Main Task 1:</p> <p>Ask students to consider and record ideas on pledge notes about what they can do as individuals to help reduce the negative effects of climate change.</p>														
10 mins	<p>Main Task 2:</p> <p>Now ask students to work in small groups and discuss what they would need other organisations to do, such as businesses and governments to do to help reduce the negative effects of climate change.</p>														
15 mins	<p>Plenary:</p> <p>Ask students to suggest how their lives might be different in, say, 25 years if the various different steps identified were taken. Ask them to assume that the various measures were at least partially successful (so they are not being asked to envisage some apocalyptic future) but rather to focus on how they might be living their lives in a different way.</p>														



Thank you for incorporating our resources into your teaching. Your feedback is valuable to us as we strive to improve and enhance our materials. We kindly ask that you take a few moments to complete the online feedback questionnaire. Your insights and suggestions will help us better support you and your students in the future.

