# Unit 22: Engineering and the environment

LO3: Know how to evaluate UK performance against global, national and local environmental targets related to engineering

Climate Change Performance Index

Instructions and answers for teachers

These instructions should accompany the OCR resource 'Climate Change Performance Index' activity which supports Cambridge Technicals in Engineering Level 3.
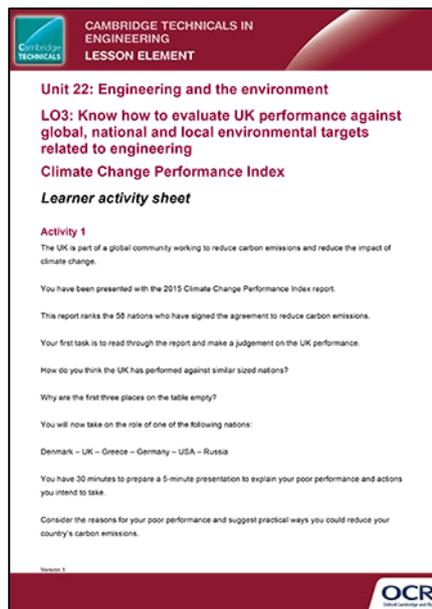
The Activity:

In this Lesson Element, learners will investigate the Climate Change Performance Index, comparing the performance of different countries.
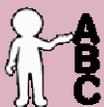
This activity offers an opportunity for English skills development.

This activity offers an opportunity for maths skills development.

Suggested timings:

Activity 1: 2 hours

Activity 1

The UK is part of a global drive to reduce carbon emissions and to reduce the effects of climate change.

Learners can access the 2015 report on global performance that benchmarks 58 different nations on their climate change performance.

Learners are asked to compare the UK performance with similar nations.

The report does not allocate positions to the top three places, learners should be asked to explain why. This is explained in the report.

Teachers could split the learners into six groups and give each group a different country to represent.

Denmark – UK – Greece – Germany – USA – Russia

If there are sufficient learners then a seventh group could form the International Climate Change Committee, otherwise the teacher should take this role.

Learners are given 30 minutes to prepare a presentation to explain their poor performance and the actions they intend to take.

NOTE: According to the report, no nation is performing sufficiently well to warrant one of the top three places, so the ranking starts at number four.

Each group (or nation) is given a maximum of 5 minutes to make their case.

The International Climate Change Committee will decide which country made the best case.

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