

Environmental Data Collection

Teaching Notes

Students will collect data through observation or survey. This task can be completed either in park, or any other public location. This task has a wide scope over a number of subject areas, but is particularly well-suited to topics covering sustainability and responsible tourism.

Pre-visit:

Prior to their visit, students should have decided on their own area of investigation, and made up a template for collecting data on the day. Data could be collected by observation or survey questionnaire.

- My data investigation question is _____.
- I will collect my data by observation/survey.
- I will collect my data over ____ hour(s) / I will survey ____ people.
- I will conduct my data collection by _____.
- I will record my data by _____.

During your visit:

Students will be given the task of performing data collection whilst in the park using the investigation question and method they have previously decided upon. Students may wish to survey guests in the park using a questionnaire, or use a tally/frequency table for observation.

If focusing on the environment, areas for investigation could include: public opinion on issues surrounding sustainability and conservation, proper usage of recycle bins, littering, methods of transport/car sharing or single use plastic.

Post-visit:

Students should represent and relay their findings in an appropriate format. This could be achieved by representing their findings in graph form. Students should then reach a conclusion about their findings.

- What kind of graph will be used to relay my findings?
- What conclusion has been reached?

SOC 2-08a	I can discuss the environmental impact of human activity and suggest ways in which we can live in a more environmentally-responsible way.
TCH 2-06a	I can analyse how lifestyles can impact on the environment and Earth's resources and can make suggestions about how to live in a more sustainable way.
TCH 2-07a	I can make suggestions as to how individuals and organisations may use technologies to support sustainability and reduce the impact on our environment.
MNU 2-20b	I have carried out investigations and surveys, devising and using a variety of methods to gather information and have worked with others to collate, organise and communicate the results in an appropriate way.