

## Post-visit teacher notes

### KS4 Field Studies

Thank you for bringing your students to Kew.

We hope that the teaching session assisted in developing the skills and knowledge of your students and provided them with an insight into the amazing plants and plant science at Kew.

Following your visit, you can use the post-visit activity to further support your students' learning.



Post-visit  
student  
activity

**?** What conditions in an ecosystem might affect a population?

How could these be measured?

Try to use some of this vocabulary in your answer.

Species richness

abundance

random

biotic

competition

abiotic

systematic

stratified



Read the following scenarios and decide which sampling strategy should be used:

An ecologist wants to investigate the relationship between percentage ground cover of plants and location along a hill gradient.

An ecologist wants to investigate the species richness of two different woodland areas.

An ecologist wants to investigate vegetation cover of a heathland that is 60% heather and 40% gorse.



Check your answers!

An ecologist wants to investigate the relationship between percentage ground cover of plants and location along a hill gradient.

Systematic Sampling

An ecologist wants to investigate the species richness of two different woodland areas.

Random Sampling

An ecologist wants to investigate vegetation cover of a heathland that is 60% heather and 40% gorse.

Stratified Sampling

