

# Giving Biodiversity a Boost

## Science lesson 3

# Learning aim: To analyse and interpret data on biodiversity and explain the importance of biodiversity.



Problem solving step 3 - I complete tasks by finding the information I need myself.



Creativity step 6 - I use creativity in the context of work.


## Scenario

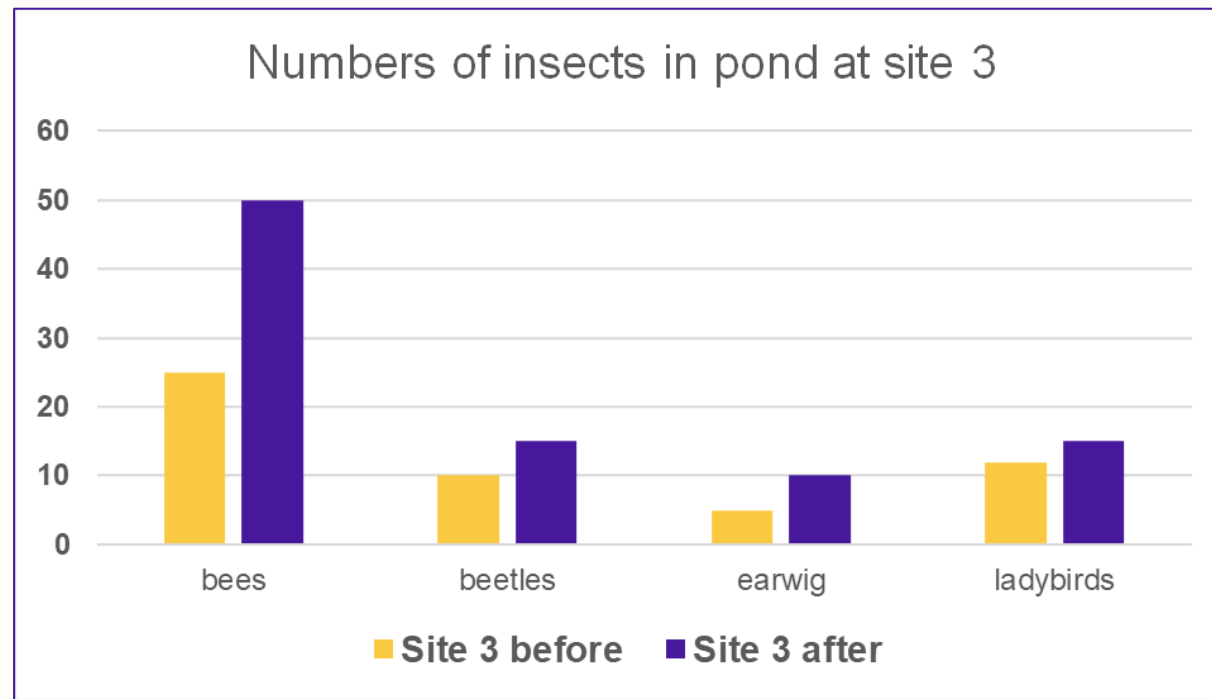
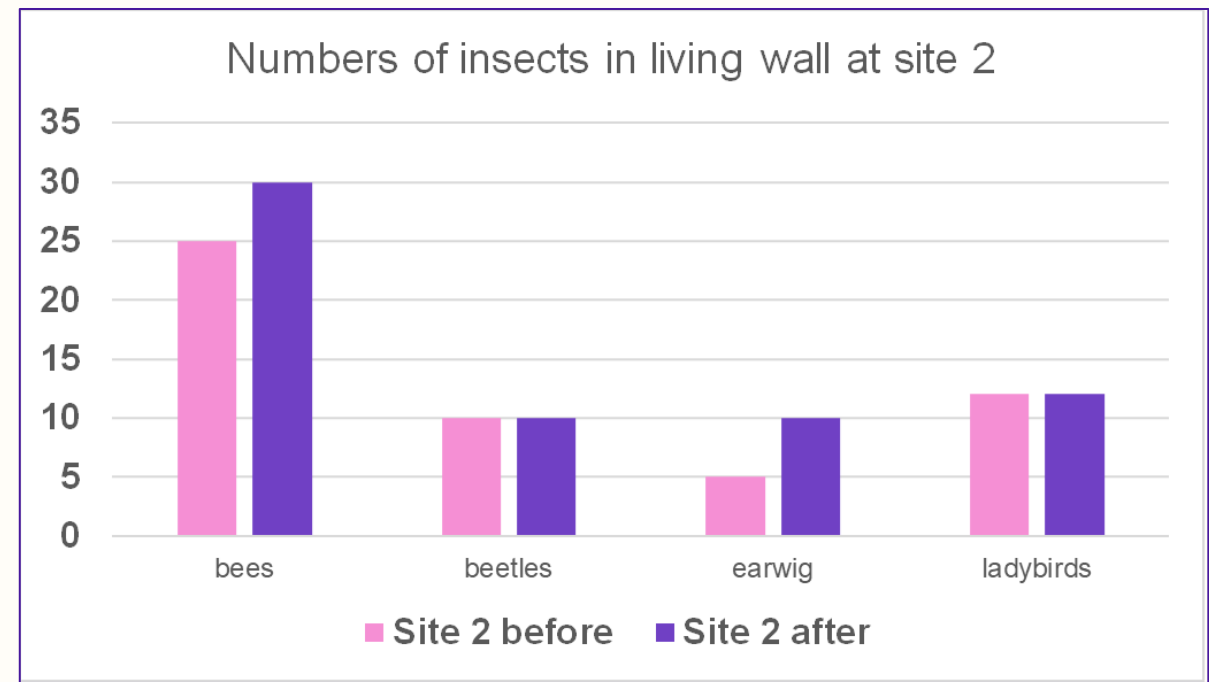
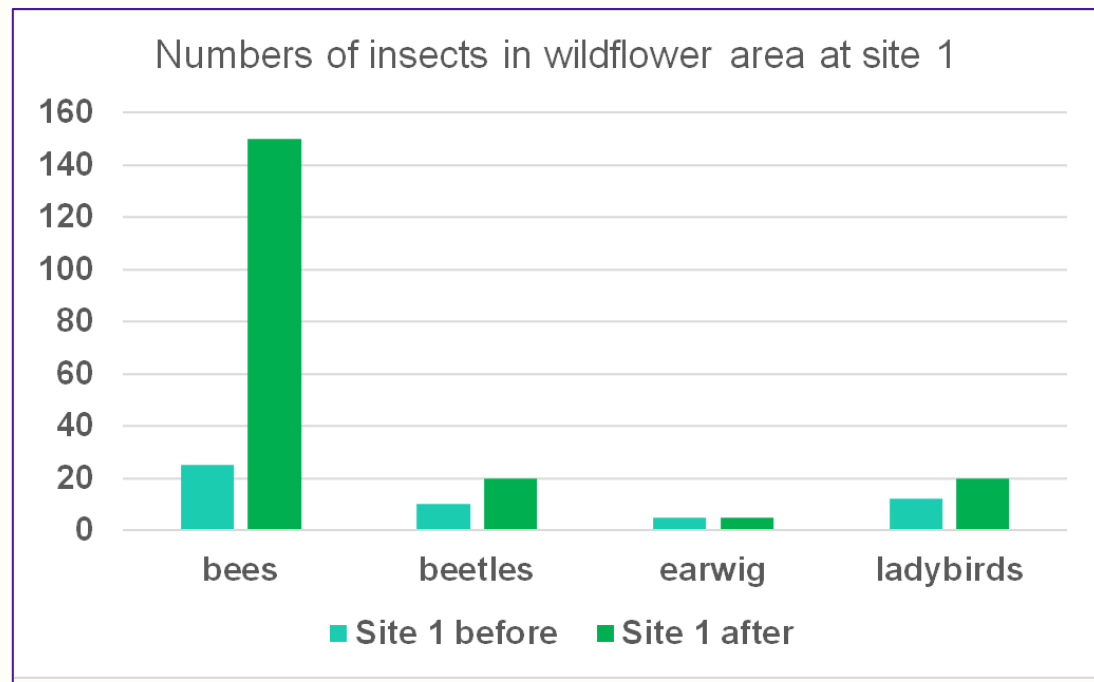
Dallan is a junior executive working in the marketing department of a company called Ace Engineering which has 3 different sites around the country. The company are publishing a newsletter and want him to provide some good news to boost public relations entitled, 'The impact we've had on the planet.'

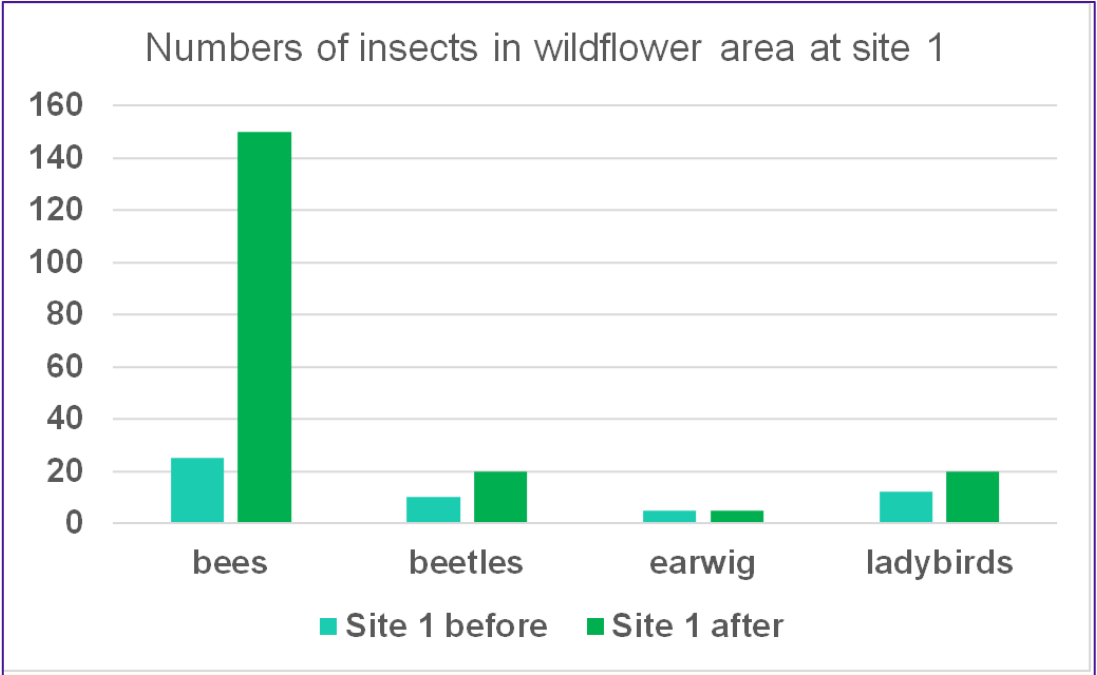
## Scenario continued

Dallan asked the sustainability champions at the 3 sites 6 months ago to develop an area that would increase biodiversity. They have now sent him the details of what they did and some graphs and data about numbers of organisms before and after the project to show if biodiversity has increased.

You must help him find out what biodiversity is and then analyse the data the sustainability champions have sent him. Dallan also needs you to help him write a blurb and some additional details for the company newsletter. (A blurb is a short description that promotes a creative work, person or business.)







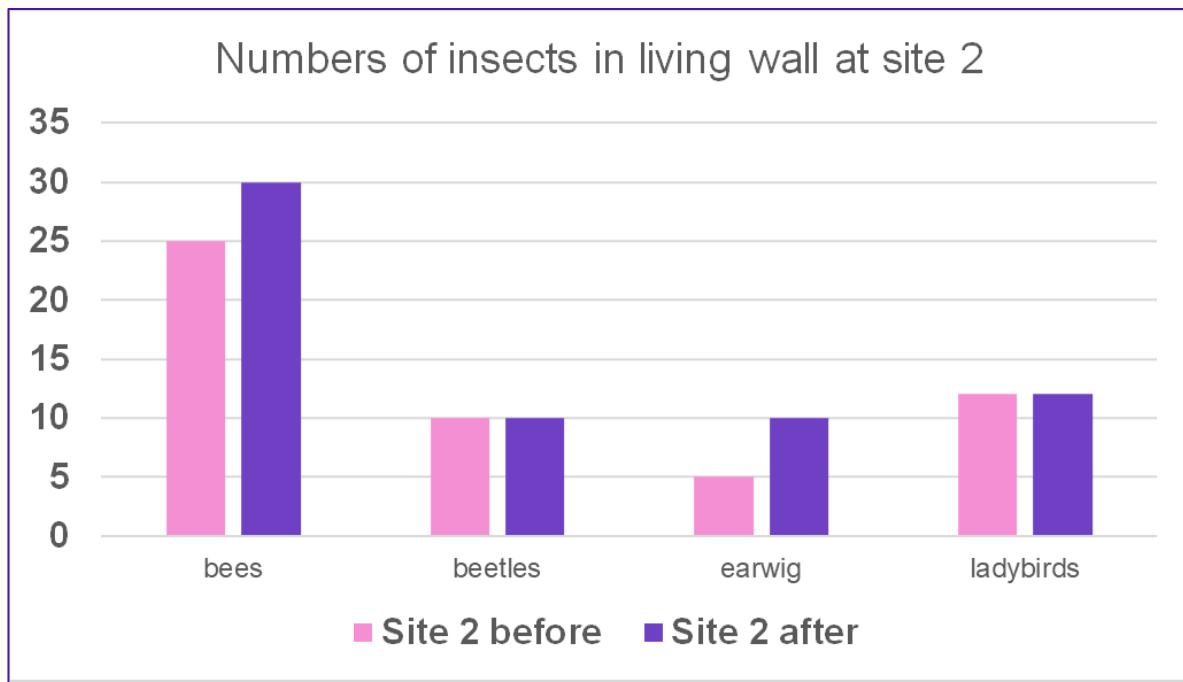
Numbers of different  
species of plants and  
insects before

10

Numbers of different  
species of plants and  
insects after

18

Change in  
numbers of  
species



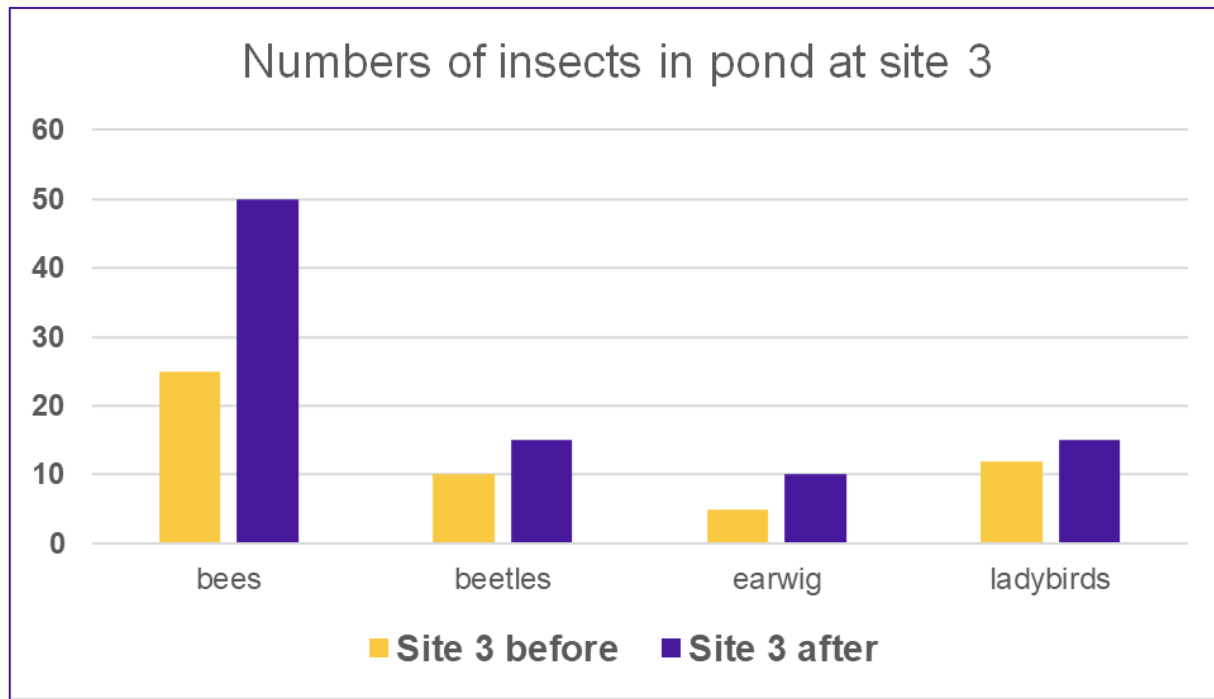
Numbers of different  
species of plants and  
insects before

6

Numbers of different  
species of plants and  
insects after

12

Change in  
numbers of  
species



Numbers of different  
species of plants and  
insects before

12

Numbers of different  
species of plants and  
insects after

14

Change in  
numbers of  
species



Produce a 100-word blurb for Dallan at Ace Engineering. (A blurb is a short description that promotes a creative work, person or business.)

The blurb will be used in the newsletter's environmental impact page as good news.

Examples of how to start your blurb are 'Plant for the planet' or 'Creating a future for all'. You then need to summarise why biodiversity is important and how Ace Engineering have been successful at increasing it.



An example of a blurb might be:

## Biodiversity boost

Ace Engineering has been 'ace' at looking after the environment at our 3 sites. We have created nature areas that have attracted new life by planting wildflowers, building a pond and a living wall. This is great news for our planet, as Ace Engineering are keen to play a part in conserving all life - making the future brighter and full of biodiversity for everyone to enjoy now and forever. Thank you to our sustainability champions at each site for their hard work in keeping our planet healthy.



## Reflection

1 – Note down three reasons why biodiversity is important.

2– Rate from 1-5 how well you were able to generate new ideas through asking questions in today's class.

*1 (I got a bit stuck and didn't ask any questions to help develop ideas)  
- 5 (I asked myself lots of questions during class to help me generate new ideas).*

3 – How do you think you can improve using your imagination to generate new, creative ideas?