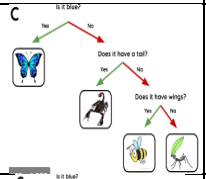
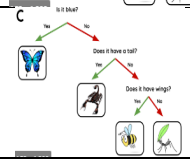
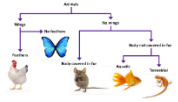
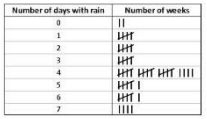
Year 2 Computing — Unit 2.6 — Summer 1

We are zoologists

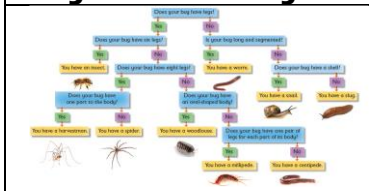
Prior Knowledge

In **Unit 1.6: We are detectives** you worked with data using Excel.

Key Vocabulary:

binary		a number system that uses two numbers: 0 and 1; binary questions are questions with yes or no answers	database		a structured collection of data organised so that groups of records can be identified
binary tree		a way of structuring data where each element has no, one or two child-elements: a series of yes/no questions to identify an animal can be represented in this way	geolocation data		latitude and longitude (and sometimes altitude) or grid references, which specify the location of something, such as a digital photograph
branching database		software allowing a series of questions to be created to interactively identify objects	global position system (gps)		this system allows a user to determine their exact location using a network of satellites
classification key		series of questions (usually of a yes/no type) used to identify an animal or plant	pixels		picture element – one of the small, square dots that makes up a digital image
data		structured information gathered for analysis, often, but not always, as numbers	tally charts		used to count data quickly; you record lines in groups of five

Key Skills / Key learning: How can we gather data?



Session 1: Using a bug classification key

What is a classification key and a branching database?

How can we use a branching database to sort data?

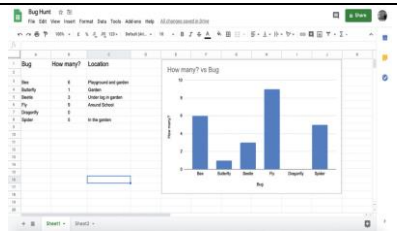
Session 2: Bug hunting

How can we create a tally chart to record how many minibeasts we find?

How else can we record our findings?

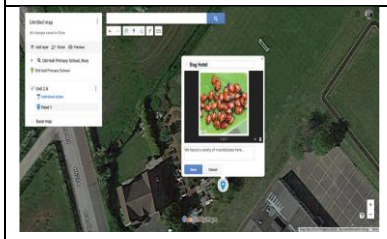
Session 3: Choosing which images to use

How can we enhance photos to create a visual table?



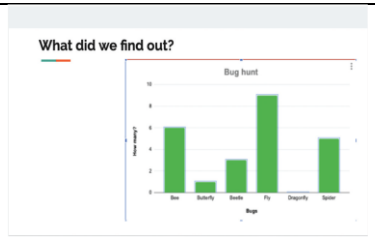
Session 4: Creating a chart from the data

How do we convert our table into an effective chart?



Session 5: Inserting and labelling photos onto the map

How do we add location markers to show where we found each minibeast?



Session 6: Creating a summary of what has been discovered

How do we best share our findings with our peers?

Key Applications (apps)

Popplet | Word | Excel | Google Earth / Maps | PowerPoint

Next Steps

You will develop their skills in collecting, organising and displaying data in **Unit 3.6: We are opinion pollsters**.

You will further develop skills in collecting, analysing and presenting data in **Unit 4.6: We are meteorologists**.