Grouping Data —
KNOWLEDEGE ORGANISER

What I should already know?:

I will know how to label and group objects based on their properties. I understand that objects can be given labels. I will have improved my ability to use dragging and dropping skills on a device.

What I will know by the end of the unit:

The importance of organising data effectively for counting and comparing. I will create my own tally charts to organise data, and represent the tally count as a total. I will also answer questions comparing totals in tally charts using vocabulary such as 'more than' and 'less than'.
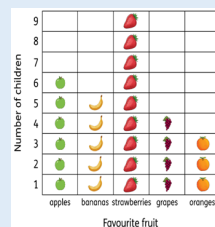
I will know the term 'pictogram' and know how to create pictograms manually and then using a computer. I will understand the advantages of using computers rather than manual methods to create pictograms, and use this to answer simple questions.

The importance of effective data collection and the benefits of different data collection methods. I will collect data to create a tally chart and use this to make a pictogram on a computer. I will explain what my finished pictogram shows by writing a range of statements.
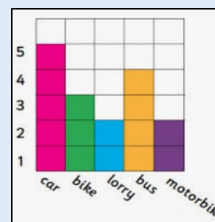
I will think about ways in which objects can be grouped. I will tally objects using a common attribute and present the data in the form of a pictogram. I can answer questions based on my pictograms using mathematical vocabulary such as 'more than'/'less than' and 'most'/'least'.

I will understand that people can be described by attributes. I will use attributes to describe images of people and children in the class. I will collect data needed to organise people using attributes and create a pictogram to show this pictorially. I will draw conclusions from their pictograms and share their findings.

I will understand that there are other ways to present data than using tally charts and pictograms. I will use a pre-made tally chart to create a block diagram on a device. I will share and discuss my findings. I will consider when and when not to share data. I will know that it is alright to say no if someone asks for my data, and how to report my concerns.

VOCABULARY	
more than	When one value is bigger than another
less than	When one value is smaller than another
data	units of information that is gathered from observation, measuring or questioning. This is then organised into graphs and charts.
tally chart	A simple method of collecting data, using tally marks.
pictogram	A chart that uses pictures or symbols to represent data so you don't have to look at lots of numbers.
block diagram	A simple chart which displays units of data with blocks. Block Graphs have two axes and are a common method of recording information.
votes	Formal expression of opinion or choice made by an individual.
attribute	belonging to a set or group.
organise	To arrange and organise in a systematic and structured way.