

Working Scientifically

Year 3

Key vocabulary	
accuracy	Being precise and correct.
bar charts	Displays information using rectangular bars of different heights.
classify	The act of arranging in to groups of similar things.
comparative and fair test	Changing one variable, where the variable that is changed can be varied, e.g. material a parachute is made from.
data	A collection of information.
diagram	A drawing or plan that shows the parts of something or how the parts work together.
equipment	Physical resources.
gather	To pick up and collect.
keys	Questions designed to identify species.
measurements	The size, length, or amount of something, as established by measuring.
observation	Seeing and taking notice of something, often recording notes on what has been seen.
present	Something that is happening now.
questions	Something that is asked.
record	Something written to give proof of something.
relevant	A graph of plotted points that show the relationship between two sets of data.
research	Clear representations of equipment and experiments.
scientific enquiry	A general direction in which something is developing or changing.
tables	Displays recorded data/information.
thermometer	An instrument used to measure temperature.

Significant scientists

Mario Molina
(1943-present)



Mario Molina was part of a team of scientists that discovered the ozone hole over the Antarctic, and predicted that certain chemicals would cause this issue.

Stephanie Kwolek
(1923-2014)



Stephanie Kwolek invented kevlar, the incredibly strong plastic used in applications ranging from body armour to tennis racquet strings.

Antonie Lavoisier
(1743- 1794)



A founder of modern chemistry; discovered oxygen's role in combustion and respiration and discovered that water is a compound of hydrogen and oxygen.

Charts and Tables

Bar Chart:

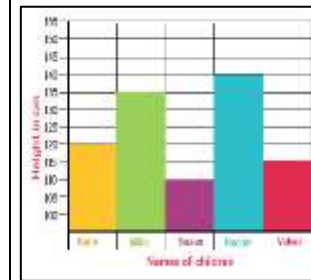


Table:

Collecting data		
Tally chart		
Type of vehicle	Tally	Frequency
Bike		10
Motor bike		6
Car		22
Truck		7
Bus		4

Asking Questions

Question starters

How...
Where...
Why...
What...
When...

Example Questions

What patterns do you notice in?
Why is ... significant?
How is ... related to ...?
When might ... be the most useful and why?

Discussion Point

Health and safety with medicines.

Why do people need to work collaboratively?