

For each investigation fill a planning poster.

Compare your poster with another group; add relevant information to your poster.

List of investigations:

size of chickens and the eggs they lay

100 meter running time and age of athlete

number of butterflies and car pollution

car manufacturer and pollution

contraceptive pill efficiency

(1 mark) My **independent variable** is...

(1 mark) My **dependent variable** is ...

(5 marks) Variables I will have to **control** are...

(3 marks) I have to control these because...

(1 mark) Variables that may be difficult to control are....

Working towards grade C

(1 mark) I predict that ...

(2 marks) I think this because ...

Working towards grade B

My hypothesis is...

(4 marks) I will make my experiment reliable by....

(5 marks) I will make my experiment valid by....

(3 marks) My results table...

Working towards grade C

(1 mark) The graph I will draw would be a (continuous / categoric)...

(1 mark) because...

Working towards grade B

extension

Decide the type of graph to plot.

Draw the graph.

Explain why you choose a continuous or categoric graph.

Size of chickens and the eggs they lay

Chicken (kg)	weight of eggs (grams)
0.8	500
1.1	650
1.2	450
1.3	550
1.5	700
2.2	600
2.6	550

100 meter running time and age of athlete

Student (age in years)	Running 100 m (seconds)
10	26
11	23
12	20
13	18
15	16
16	16
20	15

Car manufacturer and pollution

Cars

pollution (kg pollution / 1000 km)

MercBW	0.5
citrord	0.8
hyugeot	1.2
ferrclaren	3.7
fiaroenm	0.1
voltin	1.6
lotubaru	0.3

Water uptake by plants and their leaves surface area

Leaf surface area (cm²)

water uptake (litres)

100	2
250	6
400	12
600	13
1100	50
2200	35
5000	45

Contraceptive pill efficiency.

Pill brand	pregnancies (per 1000 women)
nokid	3
Safe-x	1
liberator	15
Niaka-niaka	2
lowcoast	4
The truebrand	0
No frill with pill	3