Scientific Enquiry Mat LKS2

Method:

What are you trying to find out?

What question(s) do you need to ask?

What line of scientific enquiry will you use to gather your information/ data? *(identification, classification, observation, comparisons, fair test, research)*

Why are you going to do that?

What equipment/ apparatus will you need and why?

Results/ data:

What measurements will you take?

How will you present your results in a clear/ systematic way? *(table, pictogram, bar chart, labelled diagrams, observational drawings, photographs, keys, explanations)*

Do you need to carry out any calculations?

Will you need repeat measurements of any data?

Fair test:

What is your **dependent variable** that is being tested?

What are your **independent variables** that you will keep the same and remain constant?

Conclusion:

How can you interpret your results?

What evidence do they present?

Why do you think this happened?

What have you learnt from your investigation?

How does this compare to your prediction?

If it is different, why do you think this is?

Prediction:

What do you think the results/ outcomes are going to be?

What scientific knowledge/ understanding makes you think this?

What scientific vocabulary do you need to include?

Evaluation:

How accurate was your investigation?

How could you improve your investigation if you did it again?

What else would you now like to find out?

Have any new questions arisen from your data?