

Resource — Fair Test Investigation Template

The recurring fair-test investigation scaffold used across the whole unit (modelled on the SCSA Year 4 exemplar 'Fair test investigation template', Appendix A). A reusable, printable planning-and-recording template that walks students through the inquiry cycle: question, prediction, variables (change/measure/keep the same), risks, method, results table, graph, conclusion and evaluation. Belongs to the Working Scientifically inquiry component and is linked from every investigation lesson.

Use this template every time you plan and run an [investigation](#). It helps you work like a scientist: ask a question, make a fair plan, collect data, and decide what it means.

CHANGE

one thing
(the variable)

MEASURE

what happens

KEEP THE SAME

everything else
(to be fair)

The three parts of a fair test.

1. Question

What are you trying to find out?

2. Prediction

What do you think will happen, and why?

3. Variables

	Write it here
I will CHANGE	
I will MEASURE	
I will KEEP THE SAME	

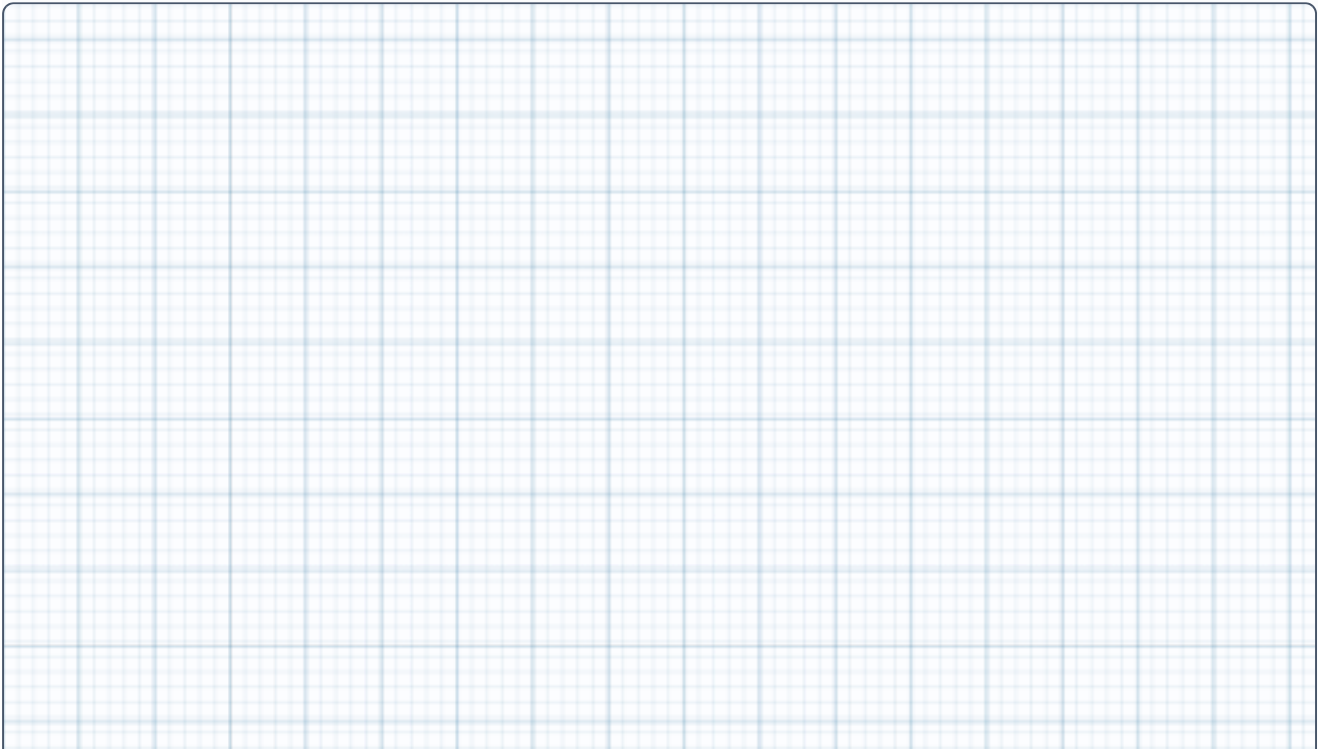
4. Risks — how will we stay safe?

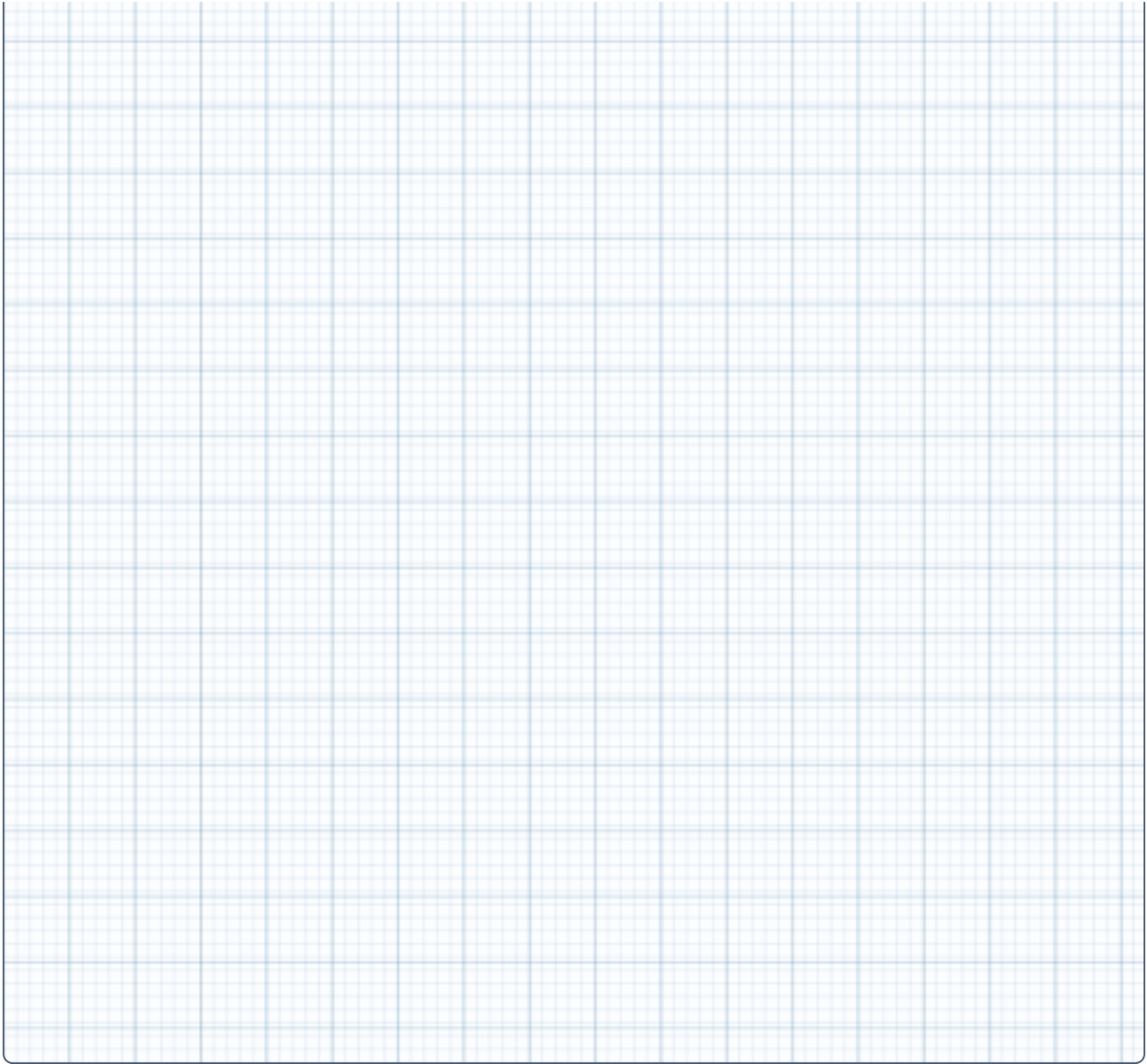
5. Method — what we will do (in order)

6. Results

What I changed	What I measured

Graph of my results (label the axes and add a title):





7. Conclusion — what did I find out?

8. Evaluation

Was it fair? Explain why. **YES / NO**

Was my prediction correct? Explain. **YES / NO**

Could it be better? How would I improve it next time?

A good scientist doesn't just get an answer — they ask whether their test was **fair**, compare it to their **prediction**, and think of a **new question** to investigate next.