

Name: _____

Date: _____

STEM Investigation Writing Frame

Planning

Aim (What are you trying to find out?)

Prediction

a) **Describe** (What do you think will happen?)

b) Using your knowledge and understanding of science to **explain** why you think this will happen.

Variables (Things that change)

What will you change, measure and keep the same during your investigation?

Change	Measure	Keep the Same

Fair Test

Explain how you will carry out a fair test – What equipment/features are you going to keep the same? How many times are you going to test?

Success Criteria

How will you know if your investigation has been **successful**?

-
-
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Explain why you have chosen these as your success criteria.

Recording & Presenting Data

a) Results table. Use the grid below to construct a results table. You do not have to use all the cells. After you have completed your table shade in any cells you do not need.

Remember to include headings and units.

Look carefully at your results. Do you have any strange results that don't seem to fit the pattern? If so, draw a circle around them on the table.

Analysing data and Making Conclusions

Using your **data**, **describe** any patterns in your results.

Using your scientific knowledge and understanding, **explain** why this pattern occurred.

Evaluating

1. How did you know you carried out fair tests?

2. How do you know that your results are accurate?

3. **Suggest** how you could make this investigation better and even more accurate.

