# Science Investigation

## Advanced writing frame

<table>
<thead>
<tr>
<th>Subject</th>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age groups:</td>
<td>12–14, 15–16</td>
</tr>
<tr>
<td>Topic:</td>
<td>Science</td>
</tr>
</tbody>
</table>
# Science investigation

1. **Title of investigation:**

2. **Key terminology for this investigation:**

3. **Aim**
   I am trying to find out whether/if/why/which/what . . .

4. **Variables**
   The *independent* variable (the variable under investigation) is . . .
   
   The *dependent* variables (the variables I will control and keep the same) are . . .
   
5. **Equipment**
   I will need:
   
6. **Hypothesis**
   I think that when I . . .
   
   will . . . because . . .
7. Method

1.

2.

3.

4.

5.

8. Safety
I had to take the following safety measures (with reasons why):

•

•

•

9. Diagram
10. Results
This is what happened:

Table:
✓ label the columns clearly
✓ give the table a title
✓ show your calculations
✓ show whether values are positive or negative

Graphs:
✓ give the graph a title
✓ label both axes with the unit of measurement

11. Analysis

In the analysis you should comment on:
• the general results
• any results which do not seem to fit
• the relationship between the variables under consideration
12. Conclusion
The prediction I made at the beginning of the investigation was that . . .

My prediction proved correct/incorrect because my investigation into . . . showed that . . .

From previous knowledge and from this investigation, I understand that . . .

13. Evaluation
My investigation produced reliable/unreliable results because . . .

Another variable I could test would be . . .

If I were to repeat this investigation I would improve it by . . .