**Science Literacy**

**Method**
1. What equipment are you going to use
2. Method (what you are going to do), This can be full sentences or bullet points but must be in a logical order.
3. Variables – what are your dependant and independent variables. What are your control variables?

**Risk Assessment**
- **Hazard**
  - What is the danger?
- **Risk**
  - What could happen to you?
- **Control measures**
  - How are you going to stop it happening?
- **Actions if goes wrong**
  - If it happens what are you going to do?

**Describe**
- Designed to focus on one small element in detail e.g. the relationship of the graph and changing variable
- Include examples of data
- Include diagrams or illustrations
- Use present tense, third person
- Use short clear sentences
- Use connectives such as ‘firstly’, ‘secondly’, ‘and then’, ‘consequently’.

**Explain**
- Demonstrate your knowledge and understanding
- Give a general introduction about the topic you are explaining
- Use logical steps which explain the process
- Use third person, present tense
- Use connectives, ‘then’, ‘next’, ‘because’, ‘and also’
- Use straightforward vocabulary and include scientific keywords

**Graphs**
1. Continuous variable e.g. length / time – line graph
2. Categoric variable e.g. eye or hair colour - bar graph
3. Independent variable (the one you changed) – x axis
4. Dependant variable (the one you measured) – y axis

**Evaluate an Experiment**
- Describe the strengths and weaknesses
- Explain how you could improve the reliability if carried out again (overcoming the weaknesses)
- You can use bullet points
- Use first person, active voice
- Use connectives ‘first’, ‘however’, ‘also’, and ‘consequently’.

**Evaluate a Topic**
- Give an introduction
- Include evidence supporting a topic give examples/evidence
- Include evidence opposing a topic give examples/evidence
- Give a conclusion. Which point of view do you support? Why?
- Use third person present tense
- Use connectives such as; however’, ‘an argument that supports/opposes’

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**Introduction**
1. Always start with an introduction that addresses the question
2. Always finish with a conclusion that summarises the main points and addresses the question again
3. Use connectives between each paragraph to link your ideas and put them in a logical order; firstly, lastly.

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**Use the TAP rule**
- **Text type**
- **Audience**
- **Purpose**