|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Science (**2020)Name:School:Entry Number: | **Absent****/Not Strong** | **Good** | **Very****good** | **Excel- lent** | **Moderator** | **Marks Possible** |
| Scientific Thought and Understanding | 0 - 3 | 4 - 5 | 6 - 7 | 8 - 10 |  |  |
| **Purpose:*** title and brief overview stated
* testable purpose(s) presented (including aim and hypothesis )
 |  |  |  |  |  | **10** |
| **Method:*** method is clear; written in procedural format
* the plan relates to stated purpose
* the plan could lead to a valid conclusion
* multiple trials included
* the plan includes detail on how data is collected
* all materials/equipment are stated
* any safety requirements are stated
 |  |  |  |  |  | 10 |
| **Variables:*** the key variables are identified
* a control is considered/included if appropriate
 |  |  |  |  |  | 5 |
| **Data:*** relevant data is collected and recorded in a table OR APPROPRIATE FORMAT
* statistical analysis appropriate to age of student
* data is graphed appropriately where possible
* actual data is analysed and referred to
* pattern(s)/trend(s) are identified
 |  |  |  |  |  | **10** |
|  | **0 - 6** | **7 - 14** | **15 - 22** | **23 - 30** |  |  |
| **Description of Results, Conclusion & Discussion:*** referral to above data and analysis is included in the discussion or conclusion
* an appropriate conclusion is drawn that links the experimental results to the purpose
* results are compared to other sources of information
* experimental method is evaluated and errors/mistakes identified
* possible modifications for future investigation are identified
 |  |  |  |  |  | **30** |
| Visual Presentation | 0 - 3 | 4 - 5 | 6 - 7 | 8 - 10 |  |  |
| * Layout has impact and appeal
* Text is clear, easy to read and follows a logical progression
* Graphics, models, diagrams, photographs, lettering, etc., enhances understanding
 |  |  |  |  |  | **10** |
| Log Book/Project Journal | 0 - 3 | 4 - 7 | 8 - 11 | 12 - 15 |  |  |
| **Dated entries show the reader:*** what the student did regularly
* obstacles overcome
* questions the student discovered
* where the student “looked” for information
* bibliography/sources; acknowledgements of help (this may be acknowledged on the board rather than fully in the log
* background research
* thought processes
 |  |  |  |  |  | **10** |
| Oral Presentation | 0 - 3 | 4 - 7 | 8 - 11 | 12 - 15 |  |  |
| **The student/s is/are able to demonstrate his/her/their understanding of his/her/their findings by answering the following questions:*** why is your project important? What did you discover?
* what does this mean to you and others
* what did you do to make sure your results were to be trusted/reliable/valid?
* if you were to do the investigation again, what would you do to make it even better
* where to next? (ie further investigations)
 |  |  |  |  |  | **15** |
| **Total:****Creativity award -** write *Yes* under final score if judge thinks this project *should be considered* for this. This could be creativity and originality of topic; or creativity around presentation |  |  |  |  |  | **/100** |