**Stage 3 – Term 4 Science**

**Brief: Design and Build a model house(s) that withstand an earthquake**

**Design and Run a Fair Test**

**Assessment Rubric**

Group Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Marker: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** |
| **Poses an appropriate question that can be investigated.** | Does not propose a question to investigate. | Poses a question that cannot be investigated. | Poses a question that involves more than one variable requiring testing. | Poses an appropriate question that focuses on testing a single variable. |
| **Includes appropriate levels (foundation, frame, material) to test the effect of a variable.** | Sets only one level for a variable. | Sets levels over a small range. | Sets an appropriate range of levels but cannot explain why. | Sets an appropriate range of levels to test and can explain why those levels have been chosen. |
| **Sets up and runs the fair test (Cows Moo Softly)** | Does not follow the fair test plan (CMS) and changes more than one variable. | Changes one variable but does not run the planned series of tests. | Follows their plan but cannot explain why their test is a fair test. | Follows their fair test plan and can explain why their test is a fair test – Can explain CMS. |
| **Observes and records using own tables.** | Poor observation and no records. | Observes and records some changes in tables. | Observes most changes but does not record correctly. | Correctly observes and records what happens in the fair test – using measurements and observations. |
| **Organises and presents results in a graph.** | No results are presented. | Results are poorly organised and not presented. | Results are organised but are not presented in a meaningful way or presented in a graph. | Results are presented in a way that helps others to interpret them using a graph. |
| **Draws conclusions based on results** | Does not draw any conclusions from their results. | Conclusions are not supported by the results. | Draws correct conclusions but cannot link them to their results – very brief observations. | Draws correct conclusions and can accurately explain how their results support the conclusions. |

Total: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_