**Friction investigation scoring rubric**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_ CB \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **Investigation Attribute** | **Points** | **Score** |
| **Research question**: *How does\_\_\_\_\_ affect\_\_\_\_* | 1 |  |
| **Hypothesis**: *I predict\_\_\_\_\_\_\_\_ because\_\_\_\_\_\_\_\_* | 2 |  |
| **Variables**: *All 3 listed*  | 1 |  |
| **Materials**: *Bulleted list, include Mv and measuring tool* | 1 |  |
| **Diagram**: *ABCD*  | 4 |  |
| **Procedure**: *Numbered, logical, record what and how, repeat trials, conditions of MV stated*. | 5 |  |
| **Data Table***: correct format averages calculated, units* | 3 |  |
| **Graph**: axis labeled, intervals equal, title, ruler, correct graphing | 5 |  |
| **Conclusion**: APPS | 4 |  |
| **Discussion of results:** *3 prompts*  | 6 |  |
| **Total points** | 32 |  |

**Car and Ramp investigation scoring rubric**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_ CB \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| **Investigation Attribute** | **Points** | **Score** |
| **Research question**: *How does\_\_\_\_\_ affect\_\_\_\_* | 1 |  |
| **Hypothesis**: *I predict\_\_\_\_\_\_\_\_ because\_\_\_\_\_\_\_\_* | 2 |  |
| **Variables**: *All 3 listed*  | 1 |  |
| **Materials**: *Bulleted list, include Mv and measuring tool* | 1 |  |
| **Diagram**: *ABCD*  | 4 |  |
| **Procedure**: *Numbered, logical, record what and how, repeat trials, conditions of MV stated*. | 5 |  |
| **Data Table***: correct format averages calculated, units* | 3 |  |
| **Graph**: axis labeled, intervals equal, title, ruler, correct graphing | 5 |  |
| **Conclusion**: APPS | 4 |  |
| **Discussion of results:** *3 prompts*  | 6 |  |
| **Total points** | 32 |  |