**Question:**

**Hypothesis:**

**Overall Prediction:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Slide Surface** | **Object Surface** | **What does the surface look like?** | **Prediction w/reasoning** |
|  |  |  |  |
|  |  |  |  |

**Variables:**

**Materials:**

**-**

**-**

**-**

**-**

**-**

**Procedure:**



**Data/Observations:**

|  |  |
| --- | --- |
| **Trial #1 ( )** |  |
| **FBD**  **Overall Result:** | **Observations:**  **Newton’s Laws:** |
| **Trial #2 ( )** |  |
| **FBD**  **Overall Result:** | **Observations:**  **Newton’s Laws:** |
| **Trial #3 ( )** |  |
| **FBD**  **Overall Result:** | **Observations:**  **Newton’s Laws:** |
| **Trial #4 ( )** |  |
| **FBD**  **Overall Result:** | **Observations:**  **Newton’s Laws:** |

|  |  |
| --- | --- |
| **Trial #5 ( )** |  |
| **FBD**  **Overall Result:** | **Observations:**  **Newton’s Laws:** |
| **Trial #6 ( )** |  |
| **FBD**  **Overall Result:** | **Observations:**  **Newton’s Laws:** |

**Observation Notes:**

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**Conclusion Paragraph**

**Analysis Questions**

Application:

***SC-QP-3*** *Identify questions to answer or problems to solve through scientific inquiry NM – A –M- E*

***SC-QP-4*** *Make predictions about the findings of their inquiry NM – A –M- E*

***SC-PC-2*** *With support, plan appropriate investigations to answer their questions or solve problems they have identified NM – A –M- E*

***SC-PC-3*** *Decide which variable should be changed and measured for a fair test NM – A –M- E*

***SC-PC-4*** *Choose appropriate data to collect to answer their questions NM – A –M- E*

***SC-PC-5*** *Observe, measure, and record data, using appropriate tools, including digital technologies NM – A –M- E*

***SC-PA-1*** *Experience and interpret the local environment NM – A –M- E*

***SC-PA-2*** *Construct and use a variety of methods, including tables, graphs, and digital technologies, as appropriate, to represent patterns or relationships in data NM – A –M- E*

***SC-E-3*** *Suggest improvements to their investigation methods NM – A –M- E*

***SC-AI-3*** *Transfer and apply learning to new situations NM – A –M- E*

***SC-COM-1*** *Communicate ideas, explanations, and processes in a variety of ways NM – A –M- E*