

SPARK Science Lab Worksheet

SPARK Hybrid Education Center | Lower Dec Lab Wk2: Forces & Motion

Student Name: _____

Date: _____

Purpose

How can we investigate: Forces & Motion?

Materials

- * Materials for forces & motion lab
- * Lab notebook
- * Safety goggles
- * Data recording sheet

Procedure

1. Set up materials for: Ramp and cart: measure force and acceleration; calculate $F=ma$
2. Record your initial observations carefully.
3. Conduct the experiment following safety procedures.
4. Record all data in the table below.
5. Clean up and return materials to proper places.

Data / Observations Table

Observation/Trial	What I Expected	What I Observed	Measurement	Notes

Analysis Questions

1. What was the main finding of this Forces & Motion lab?

2. Did your results match your prediction? Explain.

3. What is one source of error in this experiment?

4. How does this lab connect to the concept of forces & motion?

Conclusion

In my own words, what did I learn from this lab?
