

SPARK Science Lab Worksheet

SPARK Hybrid Education Center | Upper May Lab Wk2: Science Careers

Student Name: _____

Date: _____

Purpose

Investigate: Science Careers

Materials

- * Materials for advanced science careers lab
- * Protective equipment
- * Data sheets
- * Calculator

Procedure

1. Review background: STEM career paths; salary, education requirements
2. Form a detailed hypothesis with expected data ranges.
3. Conduct lab: Research a science career; present day-in-the-life profile
4. Record quantitative data with units.
5. Calculate results and determine percent error where applicable.

Data / Observations Table

Trial/Sample	Independent Variable	Dependent Variable M	Calculated Value	% Error

Analysis Questions

1. What was the quantitative result of this Science Careers lab?

2. Was your hypothesis supported? Cite specific data values.

3. Calculate the percent error if an accepted value is known.

4. What systematic error might affect these results? How would you eliminate it?

Conclusion

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