



Research Plan Template

SPARK Mini Science Fair

Please Note: Additional information and forms must be included with the research plan if the project involves humans (Forms 2 and 2B) vertebrates (Form 4), or hazardous substances, activities or devices (Form 3). Please check with your teacher to make sure all appropriate forms are submitted to obtain approval.

What Type of Project is This?

Is it science or engineering?

Researcher/Presenter Name(s):		Grade:	
		Grade:	
Teacher Name:			
School Name:			
Project Title:			

Rationale

Include a brief summary of the background research that supports your problem. Why is your research important, and what (if any) impact might it have on society?

Question/Problem

Variables	
List the appropriate variables that apply to this project	
Independent Variable (Manipulated)	
Dependent Variable (Outcome)	
Controlled Variable	
Control Group	

Hypothesis/Engineering Goal/Expected Outcome

Materials List

All materials and tools to be used in the experiment, including construction, set up, or data collection/analysis. Attach additional pages as needed.

Procedures

List all procedures and experimental design to be used for data collection. Be as specific as possible so if others want to replicate your experiment, they know exactly what to do. If you use a kit or any type of ready-to-use or assemble system, the procedures MUST be detailed here. Include safety and disposal procedures. Attach additional pages as needed.

Data Analysis

Describe the procedures you WILL use to analyze the data/results that answer research questions or hypotheses. Attach additional pages as needed.

Bibliography

List the major references (example: science journal articles, books, internet sites) from your literature review

Note: The research plan should NOT include experimental data, results, or conclusions.