Your research plan must be very detailed so that the review committee could follow your instructions and replicate your experiment exactly without explanation. If your project does not contain enough details, it will be returned for revision. All items below are required information.

**Category**

- Earth Science - rocks, weather, space
- Life Science – plants and animals
- Physical Science - matter, energy, chemistry

**Project Title:**

____________________________________________________________________________________________

**Objective:**

The objective of this science fair project is to...

[State the main goal or purpose of your experiment - what question are you trying to answer].

____________________________________________________________________________________________

____________________________________________________________________________________________

**Hypothesis:**

I predict that...

[Make an educated guess about what you think will happen in your experiment].

____________________________________________________________________________________________

____________________________________________________________________________________________

**Materials**

*Complete* list of materials needed for the experiment.

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________
Preparation:
Explain any preparation steps, such as setting up equipment or preparing samples.

______________________________________________________________________________________
______________________________________________________________________________________

Experimental Set Up:
Explain how you will set up the experiment, including any variables you will control.

______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________

Describe how you will ensure a fair test.

______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________

Explain the role of each material or equipment in the experiment.

______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________

Data Collection:
Explain how you will collect data, measurements, or observations.

______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________

Include details about the measurements you'll take and how often.

______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________

Describe any tools you'll use for data collection.

______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
Observations:

Describe what you will hope to observe during the experiment.

______________________________________________________________________________________

______________________________________________________________________________________

Explain how you will record any changes or effects.

______________________________________________________________________________________

______________________________________________________________________________________

Analysis:

Explain how you will record any changes or effects.

______________________________________________________________________________________

______________________________________________________________________________________

State if you will use graphs, charts, or calculation.

______________________________________________________________________________________

______________________________________________________________________________________

Resources:  You should try to include at least 3 sources of information.  Wikipedia is NOT a proper source.

________________________________________  ________________________________________  ________________

Ethical Considerations:  If your project involves human subjects, animals, or potentially harmful substances, address how you will ensure ethical conduct and safety.

Presentation:

Explain how you will present your project, including designing your display board and preparing for your presentation to the judges.

______________________________________________________________________________________

______________________________________________________________________________________
