**Name:**

**Date:**

**Teacher:**

**Science Fair Research Plan**

**Background Information (Include a brief synopsis of the background that supports your research problem and explain why this research is important and if applicable, explain any societal impact of your research):**

**Question or Problem:**

**Goals/Expected Outcome/Hypotheses:**

**Method or Procedure (Detail all procedures and experimental design including methods for data collection. Describe only your project):**

**Collected Data (describe the types of data you will be collecting):**

**Analysis (how will you analysis the data? What graphs will be created?)**

**Bibliography:** (Have at least five sources)

If you have human participants, ALSO answer the following:

1. **Human participants research**:

a. Participants: Describe age range, gender, racial/ethnic composition of participants. Identify vulnerable populations (minors, pregnant women, prisoners, mentally disabled or economically disadvantaged).

b. Recruitment: Where will you find your participants? How will they be invited to participate?

c. Methods: What will participants be asked to do? Will you use any surveys, questionnaires or tests? What is the frequency and length of time involved for each subject?

d. Risk Assessment: What are the risks or potential discomforts (physical, psychological, time involved, social, legal, etc.) to participants? How will you minimize risks? List any benefits to society or participants.

e. Protection of Privacy: Will identifiable information (e.g., names, telephone numbers, birth dates, email addresses) be collected? Will data be confidential/anonymous? If anonymous, describe how the data will be collected. If not anonymous, what procedures are in place for safeguarding confidentiality? Where will data be stored? Who will have access to the data? What will you do with the data after the study?

f. Informed Consent Process: Describe how you will inform participants about the purpose of the study, what they will be asked to do, that their participation is voluntary and they have the right to stop at any time.