**Citrus County Regional Science and Engineering Fair (RSEF)**

**Research Plan Template**

**Non-Protocol Project**

Any student wanting to participate in the Citrus RSEF must read and follow the International Science & Engineering Fair(ISEF) Rules, the State Science & Engineering Fair (SSEF) of Florida Rules and the Citrus Regional Science & Engineering Fair (RSEF) Rules. All paperwork needs to be approved prior to any experimentation.

The entire process of the project should be documented in the student’s log-book – from the research of the topic to the experimental design/process to the conclusion and application.

Be sure to document all sources used to complete this plan. You will need it for the bibliography at the end.

**RATIONALE** (*Explain the reason you want to do this specific project. Include a brief synopsis of the background that supports why you choose this topic. Explain why this research is important scientifically and if applicable, explain any societal impact of your research and the application of your experimentation.)*

Click here to enter text.

**HYPOTHESIS or ENGINEERING GOAL** *(Prediction of your outcome or What you are building or improving. How is this based on the rationale described above?)* You only do one of these.

Click here to enter text.

**PROCEDURE** *(Detail all procedures and experimental design including methods for data collection and all materials. All measurements should be in metric units. Do not include work done by mentor or others. BE SPECIFIC ON EVERYTHING)*

Click here to enter text.

**RISK & SAFETY** *(Explain every aspect of the experiment that could be classified as a risk. Explain the precautions you will take to minimize all risks and describe any possible required clean up methods.)*

Click here to enter text.

**DATA ANALYSIS (***Describe the procedures you will use to analyze the data/results that answer research questions or hypothesis)*

Click here to enter text.

**DISCUSSION OF RESULTS AND APPLICATION** *(What does the data need to illustrate to prove or dis-prove the hypothesis to determine the conclusion and how this information can be used.)*

Click here to enter text.

**BIBLIOGRAPHY** *(List at least five (5) major references (e.g. science journal articles, books, internet sites) from your literature review. Include the ISEF Rules and SSEF of Florida Supplemental Rules, for a total of 7 references. Citation style should be in APA or MLA)*

Click here to enter text.

**PROJECT SUMMARY** *Only required if the student makes a change in the procedures outlined in the original Research Plan.*

Click here to enter text.