

LOUISVILLE REGIONAL SCIENCE &
ENGINEERING FAIR



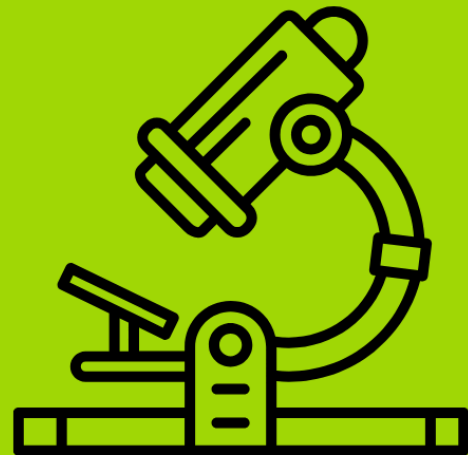
LRSEF 2023-24

Project Guidelines

ADAPTED FROM THE
2023 REGENERON GUIDELINES

Project Presentation Template

Science Project



LRSEF 2023-24 Project Presentation Template:

Science Project

Adapted from the 2023 Regeneration Guidelines

1) Project Title and Name

The following should be included:

- Project Title
- Your Name and Names of your Team members if you are part of a Team Project

2) INTRODUCTION - What is your research question?

- What were you trying to find out? Include a description of your purpose, your research question, and/or your hypothesis.
- Explain what is known or has already been done in your research area. Include a brief review of relevant literature.
- **If this is a continuation project**, a brief summary of your prior research is appropriate here. Be sure to distinguish your previous work from this year's project.

3) METHODS - Explain your methodology and procedures for carrying out your project in detail.

- What did you do? What data did you collect and how did you collect that data?
- Discuss your control group and the variables you tested.
- DO NOT include a list of materials.

4) RESULTS - What were the result(s) of your project?

- Include tables and figures which illustrate your data.
- Include relevant statistical analysis of the data.

5) DISCUSSION - What is your interpretation of these results?

- What do these results mean? Compare your results with theories, published data, commonly held beliefs, and expected results.
- Discuss possible errors. Did any questions or problems arise that you were not expecting? How did the data vary between repeated observations of similar events? How were results affected by uncontrolled events?

6) CONCLUSIONS - What conclusions did you reach?

- Do your results support your hypothesis? How do the results address your research question? What do these results mean in the context of the literature review and other work being done in your research area?
- What application(s) do you see for your work?

7) REFERENCES

- This section should **not exceed one page**. Limit your list to the most important references.
- List the references/documentation used which were not of your own creation (i.e., books, journal articles).
- It is permissible to include a short statement acknowledging support from supervisors, research groups and others that had a direct role in your project.