



Senior Division – Quad Chart Instructions

All LSEF Senior Division participants are required to submit a Quad Chart along with all other required forms. The Quad Chart serves as a concise summary of your project, giving judges a clear visual overview of your work before interview day.

Quad Charts are also mandatory for any participant who receives a bid to compete at ISEF.

Students may include pictures, data, graphs, tables, or other visual aids to support their explanations. Each section of the Quad Chart should be clear, organized, and easy to understand.

Quad Chart Sections

Quad 1: Introduction

- Clearly state your research question or engineering problem.
- Provide brief background information or context.
- Identify your hypothesis or expected outcome if applicable.

Quad 2: Methods

- Summarize the procedures, experimental design, or engineering approach.
- Highlight key materials, steps, or processes used.
- Include diagrams or photos if they help explain your method.

Quad 3: Data Analysis & Results

- Present your analyzed data clearly.
- Include charts, tables, or visuals to show trends or outcomes.
- Provide a brief summary of what the data shows.

Quad 4: Interpretation & Conclusions

- Explain what your results mean in relation to your original question or problem.
- State whether your hypothesis was supported or how your engineering solution performed.
- Mention any limitations and potential future improvements or research.

1. Introduction

3. Data Analysis and Results

2. Methods

4. Interpretation & Conclusions