2023 and 2024 NCSEF Quad Chart Instructions

A "quad chart" is a single page divided into four quadrants providing a high-level summary of the project. **It can be thought of as a VISUAL ABSTRACT and is intended to be bulleted information that a judge could review at a quick glance and then proceed to the Project presentation for more details.** Follow the model below that corresponds to the Project Presentation template you selected.

1. The page should be created so that **the entire page is visible at the same time.** The page should be created in Landscape mode.
2. The page will have to upload as pdf to the NCSEF Registration Site.
3. The page background color should be a light color and text color predominantly dark to support readability.
4. The minimum allowable font size is 14 pt. and larger fonts are encouraged for readability. *Exception*: You may use a smaller font size, down to 10 pt., for figure captions or photo credits.
5. Text should be in list or bulleted form and as brief as possible. This chart is intended as a high-level summary that can be read at-a-glance.
6. All four quadrants of your Quad Chart should each be the same size with a single border line delimiting each, as in the examples below.
7. The Title section should be only tall enough to include the required elements which are the same as the abstract header. The project title should be at the largest header size of the document for easy identification of the project. (See section on Quad Chart Title).
8. The Quad Chart should include all appropriate photo credits, should not include a bibliography, references, or acknowledgments and must adhere to all Display & Safety rules.

Approximate examples of the format of a Quad Chart are listed below. Additional examples and a template will be posted to the Society for Science website.

Use the Science Quadrant design for all Quad Charts but different headers

Science Project Quad Chart Title

Author, School, City, State, Country

Q1: **Scientific Question**

- Bullet 1
- Bullet 2
- Bullet 3

Image

credit

Q3: **Data Analysis & Results**

- Bullet 1
- Bullet 2

Data Chart

credit

Q2: **Methodology**

Image

credit

- Bullet 1
- Bullet 2
- Bullet 3
- Bullet 4

Q4: **Interpretation & Conclusions**

- Bullet 1
- Bullet 2
- Bullet 3

Engineering Project Quad Chart Title Author, School, City, State, Country	
Q1: Engineering Problem & Objectives	Q3: Data Analysis & Results
Q2. Project Design	Q4: Interpretation & Conclusions

Math/Computer Science Project Quad Chart Title Author, School, City, State, Country	
Q1: Problem or Question	Q3: Findings
Q2: Framework	Q4: Interpretation & Conclusions

Quad Chart Title:

- In the upper right-hand corner, list the Project ID
- Line one is the title of your project
- Line two is your name, school, city, state, country

Quadrant 1: Research Question/Engineering Objectives

- This should reflect material in #2 of the Project Presentation Template.
- Please state the research question or engineering problem being addressed
- A leading core graphic or visual is encouraged, but not required.

Quadrant 2: Methodology/Project Design

- This should reflect material in #3 of the Project Presentation Template.
- Please provide a succinct, bulleted summary of the methodology/project design

Quadrant 3: Data Analysis & Results

- This should reflect material in #4 and 5 of the Project Presentation Template.
- It is advised that this quadrant should primarily be a graphic representation of relevant data and results.
- Text should be kept to a minimum.

Quadrant 4: Interpretation & Conclusions

- This should reflect material in #5 and # 6 of the Project Presentation Template.