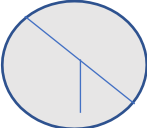
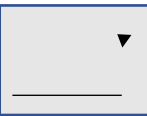


2022 NCSEF Quad Chart Instructions

General Instructions for ALL Quad Charts:

1. **ALL** charts must be in the **LANDSCAPE** format using a 8.5 by 14 size page (legal).
2. **MINIMUM** font size for the Quadrants is **13**. A smaller font down to minimum of **9** can be used for graphs or photo captions.
3. Each Quadrant should be of **equal size** with a bar across the top containing the Project Title, Student Name, School, and City. The title section should only be as tall as necessary to provide the required information.
4. The Quad Chart should give a high-level **SUMMARY** of the Project. It is intended to be more visual than detailed to quickly show what is important about the project.
5. The page background should be predominantly light with the text predominantly light for ease of reading.
6. The Quad Chart should **NOT** include references, bibliography, or acknowledgments.
7. The content of each Quadrant should correspond to the headers of the category type of project – science, engineering, math/computer science.
8. The Quad Chart should reflect a summary of the information found in the detailed Project Presentation Slides. The Project Presentation Slides are what would normally be found on the poster or project display.
9. Examples of 2021 Quad Charts and Project Presentations from the State NCSEF can be seen at <https://symposium.foragerone.com/2021-north-carolina-science-and-engineering-fair> under “Presentations”.

Science Example:

Title Student Name, School, City	
<p style="text-align: center;">Q1: Research Question</p> <ul style="list-style-type: none"> • • • • <div style="width: 100px; height: 50px; background-color: #4a7ebb; margin-left: auto; margin-right: auto;"></div>	<p style="text-align: center;">Q3: Data Analysis & Results</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>
<p style="text-align: center;">Q2: Methodology</p> <ul style="list-style-type: none"> • • • • • 	<p style="text-align: center;">Q4: Interpretation & Conclusions</p> <ul style="list-style-type: none"> • • • <div style="width: 150px; height: 40px; background-color: #d3d3d3; border: 1px solid #4a7ebb; margin-left: auto; margin-right: auto;"></div>

Overview:

Quad Chart Title:

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

Quadrant 1: Research Question/Engineering Objectives/Problem

- 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/Framework

- 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/Findings

- 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.

Science Project:

Q1: Research Question

Q2: Methodology

Q3: Data Analysis and Results

Q4: Interpretations and Conclusions

Engineering Project:

Q1: Engineering Problem and Objectives

Q2: Project Design

Q3: Data Analysis and Results

Q4: Interpretations and Conclusions

Math/Computer Science Project:

Q1: Problem or Question

Q2: Framework

Q3: Findings

Q4: Interpretations and Conclusions