GSDSEF – Sample Engineering Project Display

This is a suggested layout. Your board should flow in a similar fashion and include engineering design principles, but may be modified to fit your project.

**Problem/Need**
Describe the problem or need for your design solution in this section.

**Background Research**
Summarize or make a bulleted list of information from resources. (OPTIONAL item on display. Include in notebook)

**Criteria/Constraints**
Explain what your prototype will do (Criteria) and what variable you will test to determine if it meets your criteria. Explain any limitations you expect (Constraints).

**Materials**
Include a detailed list of materials used during your investigation. Use a bulleted list and specify amounts or types.

**Design Execution**
Include a detailed, step-by-step list of the process you followed to construct, set up and test during your investigation. Include diagrams/photos as appropriate. Add flaps if more room is needed. Identify the IV, DV, and CV’s for testing.

**Prototypes**
Show/describe each prototype in this section. Use labeled diagrams and/or photos with captions. Add comments or evaluation of successes and failures. Use flaps if more room is needed.

**Results**
- **Data Table(s)**
- **Graph(s)**
Include data collected here. Data can be collected in tables, calendars, timelines, observations, photos, or drawings. Add flaps as needed. All data should be labeled appropriately, with SI units (International System of Units) of measurement. Include graphs/charts. Be sure they are labeled appropriately on each axis and have a descriptive title. Note each units of measure are on each axis. Include a brief statement of what each graph shows.

**Conclusion**
Provide your conclusion here. Include a brief overview or summary of your engineering design investigation, and analysis of your results, the problems you encountered, extensions you could try, and real world applications.

**References/Resources**
Use MLA format or APA format to list resources/bibliography. (OPTIONAL item on display. Include in notebook)

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*NOTE: Certain items are not allowed with display. Refer to “Items Not Allowed On or With Display” list. Displays and models/apparatuses are inspected for size and safety before entry into the Exhibitors/Judging Hall.