***High School STEM Report Template***

*Instructions:*

1. *Use this template to write your STEM report following the guideliness provided in the STEM rubric. Reminder: Do not exceed 2,000 words and use pictures, diagrams, charts, graphs, and images throughout the report in support of, or to substitute text to more effectively and efficiently convey information to the reader. Make sure their placement is logical, their purpose is clear, and they are easy and intuitive to interpret and understand.*
2. *Italized text is for reference/direction and should be deleted before submission*
3. *This page should be deleted be deleted before submission*

*Reminders:*

* *Do not exceed 2,000 words*
* *Use pictures, diagrams, charts, graphs, and images throughout the report in support of, or to substitute text to more effectively and efficiently convey information to the reader. Make sure their placement is logical, their purpose is clear, and they are easy and intuitive to interpret and understand.*

*Title Page*

**STEM Report**

**School Name:** *[school name]*

**Kart Number(s):** *[kart number(s)]*

**Date:** *[date written]*

**Written by:** *[names of students that contributed to the content]*

**Word Count:** *[word count]*

As the assigned teacher for my school’s evGrandPrix Program, I attest that all of the information contained in this report was generated by and written by the students listed above.

Teacher Name: [teacher name typed]

Teacher Signature: [teach name signed]

**Introduction:**

*[The introduction should draw in the reader, highlight what will be discussed in the report, and excite the reader to read the report.]*

**Design Activity #1:**

**Requirements:**

*[Describe the desired improvement you were trying to achieve (i.e. better acceleration during turn exit)]*

**Research & Predictions:**

 *[Describe the variables that could create the desired improvement and calculate/estimate the expected impact they will have]*

**Testing:**

 *[Design a credible experiment that isolates the tested variables as much as possible and has an accurate measurement system. Run the experiment, record the data, analyze, and interpret the results, and describe how the result compared to your expected and desired outcome.]*

**Correlation/Integration:**

 *[Continue testing and iterating design variables until your calculated predicted performance aligns closely with actual test results.]*

**Results:**

 *[Summarize final achieved results in terms of kart performance.]*

**Design Activity #2:**

**Requirements:**

*[Describe the desired improvement you were trying to achieve (i.e. better acceleration during turn exit)]*

**Research & Predictions:**

 *[Describe the variables that could create the desired improvement and calculate/estimate the expected impact they will have]*

**Testing:**

 *[Design a credible experiment that isolates the tested variables as much as possible and has an accurate measurement system. Run the experiment, record the data, analyze, and interpret the results, and describe how the result compared to your expected and desired outcome.]*

**Correlation/Integration:**

 *[Continue testing and iterating design variables until your calculated predicted performance aligns closely with actual test results.]*

**Results:**

 *[Summarize final achieved results in terms of kart performance.]*

**Conclusion:**

 *[Summarize the most important take-aways and leave the reader energized to share the report with others.]*