



DESIGN REPORT RUBRIC

School:

Kart Number:

Component	Poss. Pts.	Score (%)	Score (pts.)	Comments
Report Structure & Format: - There is an introduction that draws in the reader, highlights what will be discussed in the report, and excites the reader to read the report. - The main body is well-organized and easy to follow. The key points are clear, intuitive, and connected to form a cohesive story. - There is a conclusion that summarizes the most important take-aways and leaves the reader energized to share the report with others. - Pictures, diagrams, charts, graphs, and images are used in support of, or to substitute text to more effectively and efficiently convey information to the reader. Their placement is logical, their purpose is clear, and they are easy and intuitive to interpret and understand.	20		0	
Design Process: - Designs to optimize kart performance were investigated/researched, assessed, and prioritized based on credible data, sound engineering principles, and known capabilities & constraints. - A logical process was followed to select which designs to implement, and the predicted performance improvement from each design was accurately analyzed and quantified. - A credible validation test was performed for each design and all variables that might have an impact on performance were measured, assessed, and interpreted. - The combined effect of the system design is understood and the overall kart performance has been optimized from this understanding. The final combined results have been tested and quantified. - Based on the current achieved results, the next design improvement opportunities have been identified.	60		0	
Innovation/Creativity: - The team explored a wide breadth of potential designs, including unique designs that had potential to significantly improve the kart's performance. - The team devised clever and creative ways to predict and test potential improvements within their known capabilities and constraints. - The team implemented an innovative design to their kart that significantly improved its performance.	20		0	
TOTAL	100	---	0.0	0%