Powered Balloon Race Car Report Evaluation Rubric

Group/Car Name:

Category	Scoring Criteria	Points	Student Evaluation	Teacher Evaluation
Abstract/ Problem	The question/problem is stated and will include name(s) of each member.	**4**		
Hypothesis	The hypothesis clearly shows it is based on background knowledge. (Not just a wild guess) Must include how fast (m/s) you actually think your car will travel, based on the materials used to build your car.	**6**		
Experimental Procedures	Apparatus is drawn to scale and labeled; along with a list of all laboratory equipment used in the investigation.	**10**		
	List all the safety precautions	**5**		
	Procedure clearly describes how to build the car. Will also include DETAILS how measurements AND race day occurred. Don't forget to include race day.	**10**		
Graphing (30 points)	Data is clearly recorded and organized properly in a table. Measurements, when required, are accurate and show proper units.	**10**		
	Appropriate graph is chosen. A separate graph is made for Distance vs. Time and Speed vs. Time.	**10**		
	Axes and title are accurately labeled and increments are consistent.	**10**		
Calculations	Formula/equations used along with calculations. Be sure answers are recorded to the thousandth decimal. Average speed is calculated.	**5**		

Conclusion	State the relationship between the variables identified in the purpose in a clear, concise sentence. Restate your hypothesis.	**6**		
	When your results differ from what is expected, provide a plausible explanation or provide reasonable explanations to account for the change in Distance, Speed, and Time using your data.	**4**		
Distance Traveled	Car must travel a distance of 5 meters. If your car doesn't make the 5 meters you will be given data to help complete your report.	**20**		
Score	Total points/Students are expected to honestly evaluate **THEIR** own work. If working with a partner(s) you are **NOT** guaranteed to have the same final score as your partner.	**100**		

Teacher Notes:

Due Date	Lab reports are due at the beginning of class on _____.

Good Luck and the earlier you turn in your rough draft the faster I can look it over and give it back!!!