

Scoring Rubric for Mousetrap Car Report

Name: _____

Your Mousetrap Car Report represents 55% of your total grade for the project. This scoring rubric will help you write a good report, as it identifies the key elements upon which you will be graded. Your report must be typewritten, and must show professionalism and attention to detail.

55 pts.	<ul style="list-style-type: none">• Your report flows in a logical manner from start to finish, and finishes with a thoughtful conclusion.• You effectively use graphics (pictures, figures, etc.) to explain key ideas.• Your background research section is thorough, and well-explained, and shows attention to many key physical principles.• The design and evolution of your mousetrap car is well-documented, and clearly shows an understanding of many key physical principles such as, but not limited to: wheel-to-axle diameter ratio, lever arm length, material selection, overall mass and mass distribution, friction, and construction techniques.• Your report is well organized and written, with no spelling or grammar mistakes.
50 – 54 pts.	<ul style="list-style-type: none">• Your report flows in a logical manner from start to finish, and finishes with a thoughtful conclusion.• You use some graphics (pictures, figures, etc.) to explain key ideas.• Your background research section is solid, and shows attention to some key physical principles.• The design and evolution of your mousetrap car is well-documented, and clearly shows an understanding of some key physical principles such as, but not limited to: wheel-to-axle diameter ratio, lever arm length, material selection, overall mass and mass distribution, friction, and construction techniques.• Your report is well organized and written, with few spelling or grammar mistakes.
40 – 50 pts.	<ul style="list-style-type: none">• Your report flows awkwardly from start to finish.• You use little or no graphics (pictures, figures, etc.) to explain key ideas.• Your background research section shows attention to few key physical principles.• The design and evolution of your mousetrap car is documented, and shows an understanding of few key physical principles such as, but not limited to: wheel-to-axle diameter ratio, lever arm length, material selection, overall mass and mass distribution, friction, and construction techniques.• Your report has several spelling or grammar mistakes.
30 – 40 pts.	<ul style="list-style-type: none">• Your report flows awkwardly from start to finish.• You use little or no graphics (pictures, figures, etc.) to explain key ideas.• Your background research section shows little attention to key physical principles.• The design and evolution of your mousetrap car is poorly documented, and shows an understanding of few or no key physical principles such as, but not limited to: wheel-to-axle diameter ratio, lever arm length, material selection, overall mass and mass distribution, friction, and construction techniques.• Your report is poorly organized and written, and has several spelling or grammar mistakes.
0 – 30 pts.	<ul style="list-style-type: none">• You have no report, or it is written with little or no attention to detail, including organization, professionalism, or physical principles.