

Mousetrap Car: Construction and Design Rubric					
Criteria	Level 1	Level 2	Level 3	Level 4	Mark
Design (Thinking and Inquiry)	Vehicle was built "on-the-fly"	Some consideration was given to design, but not thought out very thoroughly	Careful consideration was given to the design process and the results were good	Engineers would be humbled	/10
Research and Planning (Thinking and Inquiry)	Trial and error was the driving force with no room for improvement	Some concepts were attempted but were quickly forgotten	Ideas and concepts were implemented with success	Explored all ideas and concepts and discovered the best one	/5
Shop Practice (Application)	Shows very little regard for safety and cleanup	Shows some regard for safety and cleanup	Confidently has a sense of safety procedures and clean up	Always aware of safety and clean up duty	/5
Techniques (Application)	Has difficulty deciding which tool to use for a specific task	Can mostly use the correct tools for certain tasks	Uses the correct tools confidently	Uses the correct tools skillfully and accurately.	/5
Fit and Finish (Application)	Parts fit poorly, the wheels are out of line and don't turn freely.	Some parts don't fit well, or the wheels are out of line or rubbing on frame.	All parts fit together. Friction is minimal. Alignment is accurate.	All parts fit perfectly. Car freewheels easily and runs straight as arrow.	/10
Operation (Application)	The car travels at least 1 metre (40 inches).	The car travels at least 2 metres (80 inches).	The car travels at least 3 metres (10 feet).	The car travels 4 metres (13 feet) or more.	/10
Aesthetics Communication	Looks like an elephant with mouse ears or vice-versa	Somewhat resembles a vehicle but needs major refining	This vehicle is ready for testing	Showroom quality	/5
Comments:				Total:	/50