

JUDGES' RUBRIC
BNL MagLev Contest Student Design Portfolio
Appearance Categories

Criteria	4	3	2	1
Investigation	Thorough research. 4 or more questions and answers.	Sufficient research with 2 or 3 questions and answers.	Little research with 1 answered question.	No background research or questions.
Brainstorming for Solutions	3 or more sketches on attached paper. Written design ideas, materials.	2 design sketches with written ideas.	1 sketch with a few written ideas.	No design sketches or ideas.
Optimum Design	Thoroughly describes vehicle design choice and lists several reasons to support their decision.	Describes design choice and gives a few reasons for their decision.	Describes design choice and gives 1 reason.	No choice listed.
Design Changes	Details of several changes and/or techniques or finishing methods described. Sketch attached.	Detail of a change and/or one technique or finishing method described.	Some Information listed.	No Information listed.
Evaluation	Detailed description/sketch of the final vehicle. Creative design inspiration.	Description/ sketch of vehicle included. Design inspiration listed.	Description/sketch is minimal. No inspiration credited.	No description or sketch is included.
Craftsmanship <i>(Overall Impression)</i>	Exemplary craftsmanship. Creative/original design concept.	Neat craftsmanship. Unique perspective on a traditional design.	Fair craftsmanship. Embellished a traditional design.	Poor craftsmanship. Design not original.