Proposal Packet Scoresheet (out of 45 possible points)

Judge & Company Name: _____ Date: _____

School Name: _____ Team Name: _____

Score	Evaluation
5 (Excellent)	All criteria are met or followed with rare mistakes or deviations
4 (Great)	Most criteria are met with only a few mistakes
3 (Good)	Many criteria are met, but there are many mistakes/deviations
2 (Fair)	Many criteria are **not** met and/or there are many mistakes
1 (Poor)	Most criteria are not met
0 (No Effort)	No effort to meet criteria

Criteria for Evaluation	5	4	3	2	1	0
Identifies the problem: ● Demonstrates background of the problem, including previous research and work done by others ● Discusses and clarifies constraints ● Clearly states main goal and mission of project						
Idea generation and design choice: ● Discusses the creative and collaborative decision-making process ● Shows various ideas considered to solve problem ● Explains why selected approach was taken and if applicable, why other ideas were not chosen						
Model/prototype design: ● Understanding of scientific/engineering method and proper application ● Describes the engineering process in detail; paints a picture ● Lists materials and cost (to not exceed $500) ● Presents overall projected budget for prototype ● Presents compelling usage plan for how prototype would function and be integrated ● Identifies how safety and protocol were used/observed						
Model testing process: ● States hypothesis developed ● Discusses testing and troubleshooting through all cycles ● Discusses strengths and weaknesses						

● Data tables (if included) are complete and well-organized						
Refinements to model: ● Discusses modifications/refinements to improve/adjust design ● Improvements on design are based on test results ● Modifications are documented ● Discussion of additional trials after modifying (if conducted) ● Reflections show great insight and understanding of process and project goals						
Effectiveness and quality of design: ● Design effectively addresses given problem ● Design is plausible and not unrealistic ● Accounts for risks and benefits if implemented large-scale ● Completed work is sufficient to move the respective field forward ● If not functional, explanation given for how it *could* work and why students were unable to make it work						
Overall executive summary: ● Effective "elevator pitch:" conciseness and focus ● Shows the problem in way that captures attention ● Explains the solution and basic findings/results ● Compels by presenting future possibilities						
Overall written plan: ● Includes all scored elements ● Documents design process ● Explains functionality ● Responds to anticipated contradictions and challenges ● Well-written, readable scientific writing						
Overall presentation of proposal packet: ● Well-organized with clear introduction, body, and conclusion ● Discusses all areas of the design process ● Clear communication (verbally and visually) with appropriate data, sketches, graphs, pictures, etc. ● Attention to appropriate use of language and terminology ● Includes contributions from all team members ● Spelling, grammar, neatness						
Total: out of 45 possible points						