

Name _____

Teacher _____

Engineering Rubric for Einstein Project

Check when Completed	Requirements	Points
	Problem Identification	
	Several questions are asked that help define the problem	
	Specifications and Constraints have been identified	
	Research has identified previous solutions to the stated problem	
	Planning	
	Several sketches of possible solutions are present	
	The design process shows an iterative and systematic approach that is clear and logical	
	A final drawing of a prototype is present that includes: multiple views, dimensions, parts list, and tools	
	Assembly instructions are present	
	Prototyping	
	A prototype built from the final plans is present	
	The prototype closely matches the plans	
	Prototype has been used to test the feasibility of the proposed solution	
	Analysis	
	Data is present and has been used to support or dispute the effectiveness of the prototype as a solution to the stated problem	
	Graphs or charts are present that show the collected data	
	Data is used to propose improvements or changes to the prototype	
	Improvements to the prototype have been suggested that reflect the data obtained while testing	
	Communication	
	The design process has been documented in a journal or notebook and that documentation is present	
	Data has been used to provide evidence that the solution to the problem has satisfied the set criteria and specifications	
	Evidence is used to support the merits of the design solution	
	All information is presented in a clear, concise, and neat format	
	Total	