

## **RESEARCH PROJECT RUBRIC**

Research	Beginning (1pt)	Developing (2 pts)	Accomplished (3 pts)	Exemplary (5 pts)		
	PROBLEM IDENTIFICATION: clear definition of the problem being studied					
	Unclear, few details of problem	Partially clear, some details missing	Mostly clear and detailed	Very cleared and very detailed		
	SOURCES OF INFORMATION: Quality and variety of data/evidence and sources cited					
	Minimal quality, variety limited	Quality <b>OR</b> variety need improvement; did not include professionals	Sufficient quality and variety; included professionals	Extensive quality and variety, multiple professionals included		
	PROBLEM ANALYSIS: Depth to which the problem was studied and analyzed, including extent					
	of analysis of existing solutions					
	Minimal study; no analysis	Minimal study; some analysis	Sufficient Study and analysis	Extensive study and analysis		
Innovative Solutions	COMPETITOR SOLUTION: Clear explanation of the proposed solution and description of how					
	it solves the problem					
	Difficult to understand	Some parts are confusing	Understandable	Easy to understand by all		
	INNOVATION: Degree to which the solution makes life better by improving existing options,					
tive	developing a new application of existing ideas, or solving the problem in a completely new					
<b>S</b>	way					
Inno	Existing solution/application	Solution/application contains some original element(s)	Original solution/application potential added value	Original solution/application demonstrated added value		



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	SOLUTION DEVELOPMENT: Systematic process used to select, develop, evaluate, test, and improve the solution (implementation could costs, ease of manufacturing, etc)					
	Process <b>AND</b> explanation need improvement	Process <b>OR</b> explanation need improvement	Systematic Process included in evaluation	Systematic process included in evaluation; implementation considered		
	SHARING: Degree to which the project was shared with other's who may benefit from the					
	research					
PRESENTATION	Shared with family and friends	Shared outside family/friends (such as classmates)	Shared with one audience who may benefit <b>OR</b> professional	Share with multiple audiences who may benefit <b>OR</b> multiple professionals		
	CREATIVITY: Imagination used to develop and deliver the presentation/video					
	Minimally engaging <b>OR</b> unimaginative	Engaging <b>OR</b> imaginative	Engaging <b>AND</b> imaginative	Very engaging <b>AND</b> exceptional Imaginative		
	PRESENTATION EFFECTIVENESS: Message delivery and organization of the presentation					
	Unclear <b>OR</b> disorganized	Partially clear; minimal organization	Mostly clear; mostly organized	Clear <b>AND</b> well organized		

<sup>\*</sup>Adapted from First Lego Lego Team Competition Rubric