

Project ID:	Project Title:			Judge ID:		
	Category:					
Science & Engineering Practice		Grades 6-8 Proficient (2)			Score	Total
Asking Questions and Defining Problems	Investigation	1) Ask a question or define a problem that can be investigated to clarify or seek additional information to determine the relationship between variables or models.			1)	
		2) Students' investigation builds on or expands on previous work (with reputable references) or observations.			2)	
Planning and Carrying out Investigations		3) Experimental or engineering design procedures, materials, and methodology are clear, with control, variables or criteria that are clear.			3)	
		4) Testing of, or replications of the experiment or design are evident, and appropriate for the context (and age level) of the project.			4)	
Using Mathematical and Computational Thinking		5) Use of appropriate math or statistics are used to represent, derive, test, compare within the design of the experiment/design.			5)	
Developing & Using Models (formulas, graphs, images, diagrams, physical replica, prototype, program, flowcharts or schematics)	Sensemaking	6) Models (mathematical, physical or computational) are developed, revised, or used to generate, predict or describe data, test ideas & solutions, or show relationships among variables.			6)	
		7) Results from model data from models are used to analyze & interpret for similarities and differences.			7)	
Analyzing & interpreting Data		8) Explanation of data and observations reflect current scientific ideas, principles, and/or evidence to explain results obtained from the project design.			8)	
Constructing Explanations & Designing Solutions		9) Explanations are supported by evidence collected, sensemaking of the data, and a clear understanding by the student of hte science, engineering or design concepts.			9)	
Engaging in Argument from Evidence	Critiquing	10) Conclusions & next steps or revisions are constructed & presented arguments with relevant evidence that supports or refutes the claim of the experiment or design.			10)	
Obtaining, Evaluating, and Communicating Information		11) Respectfully provide and receive feedback and critique of explanations, procedures, models, & clarifications with relevant evidence with peers and judges.			11)	
		12) Presentation- both oral and written (board, abstract, interview , notebook...) are clear, scientifically accurate, and understandable.			12)	
Score: 0=No evidence, 1=some evidence, 2=proficient, 3= exceeds					Total Score:	
Notes:						