MSU Billings Science Expo 2023 ENGENEERING JUDGING RUBRIC

Defining the	e Problem:
• Clean	r and concise problem identified/5
• Prob	lem demonstrates original thought/innovation/5
Science Con	<u>icept:</u>
• Stude	ent demonstrates clear understanding of the science/5
• Stude	ent identifies existing solutions or constraints to new idea/5
Planning an	d Design:
• Stude	ent presents a demonstration/model to explain concept Y N
• The	plan and design accurately connect with the identified problem/5
• The	quality of demonstration/model has thought and is constructed well/5
• Stude	ent's plan and design is clear and understandable/5
	edure is repeatable/5
 Varia 	ables are defined and used appropriately/5
Data Collec	
• Data	reflects procedure accurately/5
• Data	is presented in summative form/5
• Note	book/record keeping unit available Y N
 Proce 	edure was conducted sufficient amount of times to gather data/5
Results/Con	
Stude	ent identifies constraints and makes appropriate changes to plan/5
 Conc 	elusion summarizes analyzed data/5
	the student propose new questions relating to the original problem?/5
Overall Pre	
All a	reas are presented:
(problem, re	esearch, plan, design, test, improve, data, results)/5
-	lay all together is clear and organized/5
-	ent provided reliable sources/5
	essional mannerisms, eye contact, clear speaking, student is engaged/5
	ence of student creativity/5
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	Total Possible Points/100