'ear: 20	$The \ \mathbf{Ohio} \ \mathbf{A} \mathbf{C} \mathbf{A} \mathbf{D} \mathbf{E} \mathbf{M} \mathbf{Y} \ of \ \mathbf{S} \mathbf{C} \mathbf{I} \mathbf{E} \mathbf{N} \mathbf{C}$	E		EAM	
vent:	Science Day Judging Card – ENGINEERING	DESIGN		EAW	
ermission of The Ohio Academy	of Science 2019. All rights reserved. No edits or other modifications may be mad of Science. Distribution and reproduction for educational purposes is permitted name, space assignment, project title or other administrative information.]				
JUDGES: Please indicate yo (max. 10 points ed	ur evaluation of each subsection by placing a checkmark in the appropr ach section)	iate box.			
Tell me about your proje	TTEN, AND VISUAL COMMUNICATION: ct? May I see your report? onsider student abilities (or potential disabilities) in all three types of	Superior (Exceeds)	Excellent (Meets)	Good	
<u>Written:</u> Well documente testing data, results and r criteria for success AND V	d design engineering notebook (sketches, photos, iterations, references) with clear statement of technical problem and Vritten Report (includes unambiguous title, organization, results	,			
Oral: Correct and concise ex	correct grammar and spelling). <b>Both documents are present.</b> planation of project, design, and analysis. Responses reflect correct mental results as well as limitations of, expansions of, and/or impact of				
project, easy to read and un	of material, neatly displayed, graphics and legends appropriate to derstand. Photos and graphics cited. Includes required information.				
Comments /Feedback(Re	equired):	Points Ear	Points Earned:/10		
		SA	SUPERIOR EXCELLENT GOOD TISFACTORY	6-7-8 4-5	
	Y: Where did you get the idea for your project and ify any designs that you found and if so, how?	Superior	Excellent	Good	

New idea, concept, principle, design, or non-obvious approach and/or a novel association or				
relationship of previous designs or knowledge. Consider grade level.				
Design effectively addresses problem or need creatively and is design-based rather than a summary of knowledge.				
Comments /Feedback(Required):		Points Earned:/10		

 SUPERIOR
 9-10

 EXCELLENT
 6-7-8

 GOOD
 4-5

 SATISFACTORY
 0-3

SECTION #2. ENGINEEDING DESIGN. What docing problem are you trained to add		unorior	Evcollant		
SECTION #3: ENGINEERING DESIGN: What design problem are you trying to address and how did you decide to go about addressing it?		Superior Exceeds)	Excellent (Meets)	Good	
Project addresses a clear, focused engineering design problem or need; criteria for success are			(1410013)		
identified; preliminary designs prepared; prototype created and tested, results communicated					
Student identifies and applies established engineering principles in their design.					
Student used materials and processes effectively to correctly build prototype or model.					
Sufficient testing of prototype or model completed: data properly measured, presented, analy	zed.				
Prototype successfully meets criteria that were established for the project.					
Comments/Feedback (Required):	Po	Points Earned:/10			
			SUPERIOR EXCELLENT	9-10 6-7-8	
		CAT	GOOD	4-5	
		SAI	ISFACTORY	0-3	
SECTION #4: DEPTH OF UNDERSTANDING: What did you learn about the engineer	ing S	Superior	Excellent	Good	
and previous designs for your project before and during the process?		Exceeds)	(Meets)	Good	
Adequate age appropriate background research and/or basic engineering research relevant to project which provides basis for project.	the				
Supplements answers with relevant information reflecting knowledge gained during the project	ct.				
Age appropriate use of terms and principles.					
Adequate depth of knowledge and skills in technology systems involved.					
Comments/Feedback (Required):	Po	oints Earn	ed: /1	LO	
			SUPERIOR	9-10	
			SUPERIOR EXCELLENT GOOD ISFACTORY	9-10 6-7-8 4-5 0-3	
SECTION #5: TEAMWORK: How did your group function as a team? How was a te		SAT	EXCELLENT GOOD ISFACTORY	6-7-8 4-5	
SECTION #5: TEAMWORK: How did your group function as a team? How was a te effort used to complete this project?  All members of the team show an understanding and active participation in the entire project.	(E	SAT	EXCELLENT GOOD ISFACTORY	6-7-8 4-5 0-3	
effort used to complete this project?  All members of the team show an understanding and active participation in the entire project.  All members of the team participate equally in the presentation of project; correctly and clear	(E	SAT	EXCELLENT GOOD ISFACTORY	6-7-8 4-5 0-3	
effort used to complete this project?  All members of the team show an understanding and active participation in the entire project.  All members of the team participate equally in the presentation of project; correctly and clear answering questions.	(E	SAT	EXCELLENT GOOD ISFACTORY	6-7-8 4-5 0-3	
effort used to complete this project?  All members of the team show an understanding and active participation in the entire project.  All members of the team participate equally in the presentation of project; correctly and clear answering questions.  The necessity of the individual expertise contributed by each team member is clear.	ly (E	SAT Superior Exceeds)	EXCELLENT GOOD ISFACTORY Excellent (Meets)	6-7-8 4-5 0-3	
effort used to complete this project?  All members of the team show an understanding and active participation in the entire project.  All members of the team participate equally in the presentation of project; correctly and clear answering questions.	ly (E	SAT Superior Exceeds)	EXCELLENT GOOD ISFACTORY  Excellent (Meets)  ed:/1 SUPERIOR	6-7-8 4-5 0-3 Good	
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