

**Yuma County Science and Engineering EXPO Judging Form
Engineering Rubric**

Project ID _____ Category _____

	5 Excellent	4 Proficient	3 Marginal	2 Attempted	1 Inferred /Implied	0 Missing	Total Points Earned	Total Points Possible
Research Problem (15 pts.)								
Description of a practical need or problem to be solved identified.								5
Clear definition of criteria for proposed solution.								5
Clear explanation of constraints.								5
								____/15
Design Methodology (15 pts.)								
Exploration of alternatives to answer need or problem								5
Identification of a solution								5
Development of a prototype/model								5
								____/15
Execution: Construction and Testing (20 pts.)								
Prototype demonstrates intended design								5
Prototype has been tested in multiple conditions/trials								5
Prototype demonstrates engineering skill and completeness								5
Project demonstrates significant creativity								5
								____/20
Narrative Report 4 -8/Research Report 9-12 Grade (25pts.)								
Experimental report displays depth of knowledge relevant to the project								5
Curiosity is evident								5
Shows originality in question asked								5
Experimental report contains abstract, introduction, method, results, references/sources and in APA format								5
4-8 th grade -cite at least 3 sources/9-12 th grade - cite at least 5 sources								5
								____/25
Interview/Oral Questions (25pts.)								
Oral interview is clear and well presented								5
Evidence student did own work								5
Enthusiasm evident in project								5
Questions answered appropriately and completely								5
Appropriate dress and etiquette								5
								____/25
							Total Points	____/100