

Engineering Project Judging Criteria

Research Problem	<ul style="list-style-type: none"> • Description of a practical need or problem to be solved • Definition of criteria for proposed solution • Explanation of constraints 	10
Design & Methodology	<ul style="list-style-type: none"> • Exploration of alternatives to answer need or problem • Identification of a solution • Development of a prototype/model 	15
Execution: Construction & Testing	<ul style="list-style-type: none"> • Prototype demonstrates intended design • Prototype has been tested in multiple conditions/trials • Prototype demonstrates engineering skill and completeness 	20
Creativity	<ul style="list-style-type: none"> • Project demonstrates significant creativity in one or more of the above criteria 	20
Presentation	Poster <ul style="list-style-type: none"> • Logical organization of material • Clarity of graphics and legends • Supporting documentation sited or displayed 	10
	Interview <ul style="list-style-type: none"> • Clear, concise, thoughtful responses to questions • Understanding of basic science relevant to project • Understanding interpretation and limitations of results and conclusions • Degree of independence in conducting project • Recognition of potential impact in science, society and/or economics • Quality of ideas for further research • For team projects, contributions to and understanding of project by all members 	25
**Criteria updated Fall 2017 to align with the International Science & Engineering Fair judging criteria		100