

REGION II HIGH SCHOOL SCIENCE FAIR Rubric

RUBRIC COMPONENTS	POINT SCALE			
	Fair	Average	Good	Excellent
<p style="text-align: center;">RESEARCH PROBLEM – 10</p> <p>Scientific</p> <ul style="list-style-type: none"> • Clear and focused purpose • Identifies contribution to field of study • Testable using scientific methods <p>Engineering</p> <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 	3	4 5 6	7 8	9 10
<p style="text-align: center;">DESIGN & METHODOLOGY - 15</p> <p>Scientific</p> <ul style="list-style-type: none"> • Well-designed plan and data collection methods • Variables and controls defined, appropriate and complete <p>Engineering</p> <ul style="list-style-type: none"> • Exploration of alternatives to answer need or problem • Identification of a solution • Development of a prototype/model 	7	8 9 10 11	12 13	14 15
<p style="text-align: center;">EXECUTION: DATA COLLECTION, ANALYSIS & INTERPRETATION - 20</p> <p>Scientific</p> <ul style="list-style-type: none"> • Systematic data collection and analysis • Reproducibility of results • Appropriate application of mathematical and statistical methods • Sufficient data collected to support interpretation and conclusions <p>Engineering (Construction & Testing)</p> <ul style="list-style-type: none"> • Prototype demonstrates intended design • Prototype has been tested in multiple conditions/trials • Prototype demonstrates engineering skill and completeness 	12	13 14 15 16	17 18	19 20
<p style="text-align: center;">CREATIVITY - 20</p> <ul style="list-style-type: none"> • Unique topic or original approach • Use of a novel approach for checking the hypothesis • Acknowledges previous work and source of ideas 	12	13 14 15 16	17 18	19 20
<p style="text-align: center;">POSTER - 10</p> <ul style="list-style-type: none"> • Logical organization of material • Clarity of graphics and legends • Supporting documentation displayed 	3	4 5 6	7 8	9 10

INTERVIEW – 25				
<ul style="list-style-type: none"> • Clear, concise, thoughtful responses to questions • Understanding of basic science relevant to project • Understanding of 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 	15 16	17 18 19 20 21	22 23	24 25
TOTAL SCORE (100 points possible)				

Additional Comments: