

Gwinnett Regional Science & Engineering Fair Project Evaluation Form

Adapted from Georgia Science & Engineering Fair Scoring Sheet

Judging Categories	Maximum Points	Science Projects	Engineering Projects (may be applied to projects in mathematics and computer science)
Research Question or Problem	10	<ul style="list-style-type: none"> • clear and focused purpose • identifies a specific contribution to field of study • testable using scientific methods 	<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
Design and Methodology	15	<ul style="list-style-type: none"> • well-designed plan and data collection methods • variables and controls defined, appropriate and complete 	<ul style="list-style-type: none"> • exploration of alternatives to answer need or problem • identification of a solution • development of a prototype/model
Execution of Project	20	Data Collection, Analysis & Interpretation <ul style="list-style-type: none"> • systematic data collection and analysis • reproducibility of results • appropriate application of mathematical and statistical methods • sufficient data and use of statistics 	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 • sufficient data and use of statistics
Creativity	20	<ul style="list-style-type: none"> • project demonstrates significant creativity/originality/inventiveness in one or more of the above criteria 	
Poster	10	<ul style="list-style-type: none"> • logical organization of material • clarity of graphics and legends • supporting documentation is well selected and displayed 	
Presentation	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 	
TOTAL	100		

Teachers and students should consider these judging criteria when planning 2022 science projects and school-level fairs. They are based on the Intel ISEF and Georgia Science and Engineering Fair criteria. ISEF and GSEF offer a second set of criteria that may be applied to projects in engineering, mathematics and computer science, where appropriate.