

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	20	<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 project provides new learning, new solutions and new questioning in an authentic way 	
Slides	5	<ul style="list-style-type: none"> logical organization of material professional looking, clear supporting documentation, images and information is easy to understand 	
Presentation	25	<ul style="list-style-type: none"> clear, concise, thoughtful ability to connect judge with the project 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 authentic and demonstrative answers to questions; uses data and application of scientific principles to provide reason for team projects, contributions to and understanding of project by all members 	
TOTAL	100		

Teachers and students should consider these new judging criteria when planning 2021-2022 science projects and school-level fairs. They are based on the Regeneron 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.

Overall, the criteria changes include:

- Increased emphasis on the ability to discuss the project effectively during the oral presentation.
- Increased emphasis on originality of project topics and on research plans that demonstrate creativity, imagination, discovery, and inventiveness.