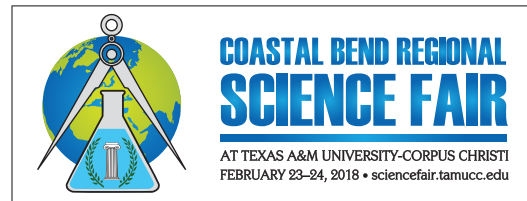


Judging criteria & scoring sheet



Judge	Exhibit ID
Title	Project ID

Creative ability (*individual 30%, team 25%*)

- Does the project show creative ability and originality in:
 - The question(s) asked?
 - The problem-solving approach?
 - Data analysis/interpretation?
 - Equipment used?
 - Design and/or construction of new equipment?
- Creative research should support an investigation and help answer a question in an original way.
- Construction of equipment which involves the assembly of a kit cannot be considered to be creative unless some unusual approach or design was used.

SCORE (1-10)

Scientific Thought (*individual 30%, team 25%*)

- Is the problem stated clearly and unambiguously?
- Are clear objectives stated?
- Was there a procedural plan for obtaining a solution?
- Are all variables clearly recognized and defined?
- If controls were necessary, did the student recognize their need and use them correctly?
- Are there adequate data to support stated conclusions?
- Are limitations recognized?
- Is related research cited and understood?
- Is further research warranted?
- Does the solution present a significant improvement over previous alternatives?
- Is the solution workable and/or economically feasible?
- Was the solution tested under proposed conditions of use? (This may be difficult, but should be considered.)

SCORE (1-10)

SCORING SCALE:	POOR	FAIR	GOOD	EXCELLENT	SUPERIOR					
	1	2	3	4	5	6	7	8	9	10

Thoroughness (*individual 15%, team 12%*)

- Was the scope of the original intent met?
- Are conclusions based on a single experiment or on replication?
- Are project notes complete (grades 6-12)?
- Is there a familiarity with and understanding of the scientific literature in the field?
- Is there an awareness of other approaches?
- How much time was spent on the project?

SCORE (1-10)

Technical Skills (*individual 15%, team 12%*)

- Does the student/team have the required skills (laboratory, computational, and/or design skills) to complete all of the work presented?
- Where was the project completed? (Home, school, university, research facility)
- What assistance was given and by whom?

SCORE (1-10)

Neatness & Display (*individual 10%, team 10%*)

- Are data clearly presented? Results? Presentations?
- Are important project phases presented in an orderly manner?

SCORE (1-10)

Teamwork (*team projects only: 16%*)

- Was each team member fully involved with the project?
- Does the final work reflect the coordinated efforts of all members?

SCORE (1-10)

Comments