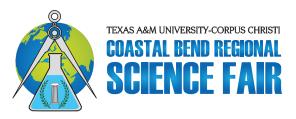
## Judging criteria & scoring sheet



Judge	Exhibit ID
Title	Project ID
Creative ability (30%)	SCORING POOR FAIR GOOD EXCELLENT SUPERIOR SCALE: 0
<ol> <li>Does the project show creative ability and originality in:         <ul> <li>a. The question(s) asked?</li> <li>b. The problem-solving approach?</li> <li>c. Data analysis/interpretation?</li> <li>d. Equipment used?</li> <li>f. Design and/or construction of new equipment?</li> </ul> </li> <li>Creative research should support an investigation and help answer a question in an original way.</li> <li>Construction of equipment which involves the assembly of a kit cannot be considered to be creative unless some unusual approach or design</li> </ol>	<ol> <li>Thoroughness (15%)</li> <li>Was the scope of the original intent met?</li> <li>Are conclusions based on a single experiment or on replication?</li> <li>Are project notes complete (grades 6-12)?</li> <li>Is there a familiarity with and understanding of the scientific literature in the field?</li> <li>Is there an awareness of other approaches?</li> <li>How much time was spent on the project?</li> </ol>
was used.	Technical Skills (15%)
<ul> <li>Scientific Thought (30%)</li> <li>1. Is the problem stated clearly and unambiguously?</li> <li>2. Are clear objectives stated?</li> <li>3. Was there a procedural plan for obtaining a solution?</li> <li>4. Are all variables clearly recognized and defined?</li> <li>5. If controls were necessary, did the student recognize their need and use them correctly?</li> <li>6. Are there adequate data to support stated conclusions?</li> <li>7. Are limitations recognized?</li> <li>8. Is related research cited and understood?</li> <li>9. Is further research warranted?</li> <li>10. Does the solution present a significant improvement over previous alternatives?</li> <li>11. Is the solution workable and/or economically feasible?</li> <li>12. Was the solution tested under proposed conditions of use? (This may be difficult, but should be considered.)</li> </ul>	<ol> <li>Does the student/team have the required skills (laboratory, computational, and/or design skills) to complete all of the work presented?</li> <li>Where was the project completed? (Home, school, university, research facility)</li> <li>What assistance was given and by whom?</li> <li>SCORE (1-15)</li> </ol> Neatness & Display (10%) <ol> <li>Are data clearly presented? Results? Presentations?</li> <li>Are important project phases presented in an orderly manner?</li> </ol> Student Interview Notes

Total score