

JUDGING CRITERIA – EXPERIMENTAL PROJECTS

The following is the criteria for the Concept Science & Engineering Fair judging procedure. **THE DECISION OF THE JUDGES IS FINAL.** There are four parts (Overall Impression of the Project, Display, Oral Presentation, Written Report) being examined during the judging procedure. Participants are expected to get the maximum available points from each criterion.

CONSEF SCORING RUBRIC		10	9	8	7	6	5	4	3	2	1	Total Points
OVERALL IMPRESSION OF THE PROJECT	Scientific Approach :(max-8 pts) Well defined problem was solved using scientific principles.											
	Knowledge Gained :(max-10 pts) Student has understood the topic, mastered the scientific skills, and answered all questions correctly.											
	Experimental Approach: (max-10 pts) Dependent and independent variables were defined and control group was in evidence.											
	Reliability of Data :(max-8 pts) Data is numerical and metric. Data is reliable with repeated trials.											
	Validity of Conclusion :(max-5 pts) Conclusion is consistent with the data provided.											
	Originality :(max-10 pts) Topic is original and method is highly creative.											
DISPLAY	Information :(max-7 pts) Display gives complete explanation with graphs, charts and pictures.											
	Technical Requirements :(max-4 pts) Safety and endorsement sheets are displayed.											
	Artistic Qualities :(max-5 pts) Backboard is neat, organized, and appealing. No spelling errors.											
ORAL PRESENTATION	Presentation Quality :(max-10 pts) Clear presentation which is easy to follow. Information is relevant.											
	Dynamics :(max-10 pts) Speaks fluently with good eye contact, polite, dynamic, and interested in his/her subject. Not relied heavily on note cards or the board.											
WRITTEN REPORT	Order :(max-5 pts) Report is neat and in logical order (Title, content, acknowledgements, problem, hypothesis, review of literature, materials, procedure, results, conclusion, reference list).											
	Spelling/Grammar :(max-3 pts) No spelling or grammatical error is present.											
	Review of Literature/Reference List :(max-5 pts) Quality, quantity, and variety of sources is adequate for topic.											

Awards :

GOLD: 91-100

SILVER: 81-90

BRONZE: 71-80

HONORABLE MENTION: 70 OR LESS

JUDGING CRITERIA – DESIGN PROJECTS

The following is the criteria for the Concept Science & Engineering Fair judging procedure. **THE DECISION OF THE JUDGES IS FINAL.** There are four parts (Overall Impression of the Design, Display, Oral Presentation, Written Report) being examined during the judging procedure. Participants are expected to get the maximum available points from each criterion.

CONSEF SCORING RUBRIC		10	9	8	7	6	5	4	3	2	1	Total Points
OVERALL IMPRESSION OF THE DESIGN PROCESS	Design Approach Overall: (max-8 pts) Has identified a need or real world problem.											
	Knowledge Gained : (max-10 pts) Exhibits a thorough understanding and the application of the design Student has acquired design skills.											
	Design Approach-Performance Criteria: (max-10 pts) Clear performance criteria have been developed to address the features of the product, algorithm, proof, model, etc.											
	Constructing and Testing the Prototype: (max-8 pts) Has constructed and tested a prototype. Data analysis/validation is evident.											
	Validity of Evaluation/Conclusion : (max-5 pts) Conclusion accurately reports with the success/failure of the design.											
	Originality :(max-10 pts) Topic is original and method is highly creative.											
DISPLAY	Information :(max-7 pts) Display gives complete explanation with graphs, charts and pictures.											
	Technical Requirements :(max-4 pts) Safety and/or endorsement sheets are displayed.											
	Artistic Qualities :(max-5 pts) Backboard is neat, organized, and appealing. No spelling errors.											
ORAL PRESENTATION	Presentation Quality :(max-10 pts) Clear presentation which is easy to follow. Information is relevant.											
	Dynamics :(max-10 pts) Speaks fluently with good eye contact, polite, dynamic, and interested in his/her subject. Not relied heavily on note cards or the board.											
WRITTEN REPORT	Order :(max-5 pts) Report is neat and in logical order (Title, content, acknowledgements, problem, hypothesis, review of literature, materials, procedure, results, conclusion, reference list).											
	Spelling/Grammar :(max-3 pts) No spelling or grammatical error is present.											
	Review of Literature/Reference List :(max-5 pts) Quality, quantity, and variety of sources is adequate for topic.											

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