

# CONSEF JUDGING SCORING SHEET DESIGN PROJECT

## OVERALL IMPRESSION OF THE PROJECT

**Design Approach: Overall**

(0) (1) (2) (3) (4) (5) (6) (7) (8)

**6-8:** The problem was well-defined and solved using scientific principles. Appropriate method was used effectively.

**3-5:** The problem was adequately defined and/or and solved using scientific principles, but not all.

**0-2:** There was a little to no evidence of a scientific approach. Experimentation was not performed, i.e., was a demonstration or exhibit.

**Knowledge Gained**

(0) (1) (2) (3) (4) (5) (6) (7) (8) (9)

**8-10:** Student understands the topic, shows mastery of design process, and answers all questions correctly.

**5-7:** Student exhibits a lesser understanding of the design process and demonstrates a lesser acquired design skills.

**2-4:** Student demonstrates minimal understanding of the design process or application of design skills.

**0-1:** Student demonstrates no understanding of the sdesign process and/or application of design skills.

**Design Approach**

**Performance Criteria**

(0) (1) (2) (3) (4) (5) (6) (7) (8) (9)

**8-10:** Clear performance criteria have been developed to address the features of the product, algorithm, proof, model, etc.

**6-8 :** Performance criteria are present but are not fully developed.

**3-5:** Performance criteria are present but insufficient.

**0-2:** Performance criteria are poorly developed or absent.

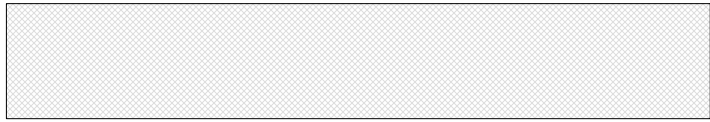
**Constructing and Testing the Prototype**

(0) (1) (2) (3) (4) (5) (6) (7) (8)

**6-8:** Has constructed and tested a prototype of their best design. This may involve targeted users and/or analysis of data sets. (This may or may not include traditional data).

**3-5:** The construction was not precise OR testing was not thorough.

**0-2:** Construction and testing were inadequate.



{ P r o

(0) (0) (0) (0)

(1) (1) (1) (1)

(2) (2) (2) (2)

(3) (3) (3) (3)

(4) (4) (4) (4)

(5) (5) (5) (5)

(6) (6) (6) (6)

(7) (7) (7) (7)

(8) (8) (8) (8)

(9) (9) (9) (9)

Type

(A)

(B)

(C)

**{ProjectCategory}**  
**{Division}**

**{JudgeName}**

**Title:** {ProjectTitle}

**Student:** {Student1FullName}

**School:** {School}

**Judge:** {JudgeName}

**Validity of**

**Evaluation/Conclusion**

(0) (1) (2) (3) (4) (5)

**4-5:** The conclusion accurately reports the successes and failures of the preliminary design, what changes were made, and how the redesign more closely met the performance criteria.

**2-3:** The conclusion was not thorough in addressing successes, failures OR how the redesign met the performance criteria.

**0-1:** No conclusion or no valid conclusion was present.

**Originality**

(0) (1) (2) (3) (4) (5) (6) (7) (8) (9)

**8-10:** Topic is original and method is highly creative.

**5-7:** Some creativity and originality demonstrated.

**2-4:** Little creativity and originality demonstrated.

**0-1:** No originality and/or creativity demonstrated

## ORAL PRESENTATION

### Presentation Quality

0 1 2 3 4 5 6 7 8 9

**8-10:** Presentation is clear and easy to follow. Information is relevant. Student exhibits a thorough understanding of their topic area.

**5-7:** Information given is adequate, but presentation is difficult to follow.

**2-4:** Student exhibits minimal understanding of the topic area, but information jumbled, irrelevant and presentation is unclear.

**0-1:** Student does not exhibit a thorough understanding of their topic area.

### Dynamics

0 1 2 3 4 5 6 7 8 9

**8-10:** Speaker speaks fluently with good pacing and eye contact. Information is presented in a polite and dynamic manner. There is no reliance on note cards or the board.

**5-7:** Speaker speaks fluently with good pacing and eye contact. Information is presented in a polite and dynamic manner. There is little reliance on note cards or the board.

**2-4:** Student was polite and interested in their project. Moderate eye contact and relied heavily on note cards.

**0-1:** No eye contact; read from note cards. Did not seem interested.

## WRITTEN REPORT

### Order

0 1 2 3 4 5

**4-5:** Report is neat and in logical order (title, content, acknowledgements, problem, hypothesis, review of literature, materials, procedure, results, conclusion, reference list).

**2-3:** Is neat or properly ordered, but not both.

**0-1:** Is neither neat nor properly ordered.

### Spelling /Grammar

0 1 2 3

**3:** No spelling or grammatical errors are present

**1-2:** Some spelling or grammatical errors are present

**0:** Some spelling or grammatical errors are present

### Review of Literature/Reference List

0 1 2 3 4 5

**4-5:** Quality, quantity, and sources are sufficient for topic.

**2-3:** Background information is inadequate.

**0-1:** Information is not relevant to the experiment.

## DISPLAY

### Information

0 1 2 3 4 5 6 7

**5-7:** The display gives complete explanation and includes graphics, charts and pictures.

**2-4:** Adequate information is present, but not thorough.

**0-1:** Missing pertinent information.

### Technical Requirements

0 1 2 3 4

**3-4:** All of the major safety hazards and precautions taken have been identified and any endorsement sheets (if applicable) ensures the safe use of organisms such as human or non-human vertebrates or microorganisms.

**1-2:** Safety sheet is present, but not all major hazards have been identified, precautions taken are missing, and any endorsement sheets (if applicable) do not completely describe the use of human or non-human vertebrates or microorganisms or ensures the safe use of such organisms.

**0:** Safety sheet is not present or endorsement sheets (if applicable) are missing.

### Artistic Qualities

0 1 2 3 4 5

**4-5:** Backboard is neat, organized, and creative/original with no spelling errors.

**2-3:** Display board is neat but not well organized. Spelling errors are present.

**0-1:** Display board was carelessly prepared and sloppy.

**Thank you.**

**Please check if there are any missing items that have not been scored.**

## MARKING INSTRUCTIONS

- Use a No. 2 pencil only.
- Do not use ink, ballpoint, or felt tip pens.
- Make solid marks that fill the response completely.
- Erase cleanly any marks you wish to change.
- Make no stray marks on this form.

**CORRECT:** ●

**INCORRECT:** ☑ ✕ ◐ ○

# CONSEF JUDGING SCORING SHEET EXPERIMENTAL PROJECT

## OVERALL IMPRESSION OF THE PROJECT

### Science Approach

0 1 2 3 4 5 6 7 8

**6-8:** The problem was well-defined and solved using scientific principles. Appropriate method was used effectively.

**3-5:** The problem was adequately defined and/or and solved using scientific principles, but not all.

**0-2:** There was little to no evidence of a scientific approach. Experimentation was not performed, i.e., was a demonstration or exhibit.

### Knowledge Gained

0 1 2 3 4 5 6 7 8 9

**8-10:** Student understands the topic, shows mastery of scientific skills, and answers all questions correctly.

**5-7:** Student exhibits a lesser understanding of the scientific methods and demonstrates lesser acquired scientific skills.

**2-4:** Student demonstrates minimal understanding of the scientific methods or application of scientific skills.

**0-1:** Student demonstrates no understanding of the scientific methods and/or application of scientific skills.

### Experimental Approach

0 1 2 3 4 5 6 7 8 9

**8-10:** The dependent and independent variables have been thoroughly defined and significant variables have been controlled. A control group was utilized.

**5-7:** The dependent and independent variables have not been thoroughly defined. Not all significant variables have been controlled. An attempt for control group was present.

**2-4:** The dependent or independent variables have not been defined. Few significant variables have been controlled or no control group was present.

**0-1:** The dependent and/or independent variables have not been defined. No significant variables have been controlled and/or no control group was present.

### Reliability of Data

0 1 2 3 4 5 6 7 8

**6-8:** Data is numerical and metric. Data is reliable through repeated trials.

**3-5:** Data is not numerical and metric and/or data collected is marginal.

**0-2:** Little to no data collected.

{	P	r	o
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Type
A
B
C

**{ProjectCategory}**

**{Division}**

**{JudgeName}**

**Title:** {ProjectTitle}

**Student:** {Student1FullName}

**School:** {School}

**Judge:** {JudgeName}

### Validity of Conclusion

0 1 2 3 4 5

**4-5:** Conclusion is consistent with the data provided.

**2-3:** Conclusion is present but not supported by the data.

**0-1:** No conclusion or no valid conclusion was present.

### Originality

0 1 2 3 4 5 6 7 8 9

**8-10:** Topic is original and method is highly creative.

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**2-3:** Background information is inadequate.

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