

STEAM Contest – Los Alamitos Education Foundation (LAEF)
Judging Criteria: Grades TK thru 5
Scientific Investigation

1. Testable Question

Asks a specific question or clear purpose of project given.

Possible Score: 0 to 10

Score: 0 1 2 3 4 5 6 7 8 9 10

2. What is the science behind your project?

Do research on your topic and question.

Possible Score: 0 to 15

Score: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

3. Hypothesis

Predicts a reasonable outcome.

Possible Score: 0 to 10

Score: 0 1 2 3 4 5 6 7 8 9 10

4. List the steps you took to make the project

Judging: High score would indicate that the project can be repeated after reading.

Possible Score: 0 to 20

Score: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

5. Data and Identification

Use photos, charts, graphs, or illustrations to show the process. All elements should be labeled.

For judging: Demonstrates appropriate application of mathematical and statistical methods. High score indicates that data is clear, accurate, detailed and the parts are well labeled.

Possible Score: 0 to 20

Score: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

6. Conclusion and Reflection

Reflects what the student has learned. Were there any surprises?

What would you do differently or to continue the project?

Possible Score: 0 to 10

Score: 0 1 2 3 4 5 6 7 8 9 10

7. Overall Creativity, Innovation, Engagement

Student demonstrates an understanding of the subject matter or innovative, creative way of approaching their project.

Possible Score: 0 to 15

Score: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

NOTES:

Sequence #: _____ Project Title: _____

JUDGE: _____ **TOTAL POSSIBLE SCORE: 100** **TOTAL SCORE:** _____