

# Judging Guidelines for Science Experiment Project in 3rd,4th and 5th grade only for 1st, 2nd, 3rd place award

Student Name \_\_\_\_\_

Grade \_\_\_\_\_

## Scientific Methodology (One third)

- The "Testable Question" was clearly stated 1 2 3
- A Hypothesis (or Prediction) was made that was "Testable"--that is, it could be shown to be true or false at the end of the experiment 1 2 3
- The student provided a reason for choosing the given Hypothesis 1 2 3
- Dependent and Independent Variables were correctly identified and an appropriate Experimental Design was used to answer the Testable Question 1 2 3
- The student/team was careful to carry out the project using the Scientific Method 1 2 3
- The sample size was adequate and included appropriate Positive and Negative Controls 1 2 3
- The Conclusions were supported by and explained the Results 1 2 3
- The Conclusion addressed whether the stated Hypothesis was True or False 1 2 3

## Presentation - Oral and Written (One third)

- The Investigator provided a detailed list of Materials and Methods so the experiment could be reproduced by others 1 2 3
- The Results were clearly recorded, quantified and presented in a table, graph, chart, diagram or figure Supporting Background Information and References were included 1 2 3
- In an oral presentation, the student/team showed good understanding of the problem and its significance, the methodology used and how the Conclusions supported or disproved the Hypothesis 1 2 3
- The student/team understood the limitations of the project and the Results 1 2 3
- The student/team had ideas on what to do next and/or what to do differently next time 1 2 3

## Originality/Creativity; Independence; Effort/Thoroughness; (One third)

- The student/team showed CREATIVITY in choosing the Question and/or the Methodology used 1 2 3
- The student/team appears to have worked, for the most part, independently with limited input from adults 1 2 3
- The student/team was able to answer questions about the project in a thoughtful way 1 2 3
- An appropriate amount of time and effort appears to have been put into the project 1 2 3

**NOTES** \_\_\_\_\_

**Total Score =** \_\_\_\_\_



**Judging guidelines for all projects**  
**For the outstanding award in each grade K-5th**

Student Name

Grade

\_\_\_\_\_

\_\_\_\_\_

**Project Methodology**

- Is the project clearly stated    1   2   3
- If applies is the project properly labeled    1   2   3
- Is project laid out in a comprehensive flow    1   2   3
- Is the purpose of the project well understood    1   2   3

**Presentation- Oral and Written**

- Is the project presented in a detailed and comprehensive way    1   2   3
- Is the project supported by detailed data and explanation    1   2   3
- Does the project have a well thought out idea or concept    1   2   3
- Is the project presented in an appropriate amount of time    1   2   3

**Originality/Creativity; Independence; Effort/Thoroughness; Aesthetics**

- Does the project show creativity in choosing and demonstrating    1   2   3
- Does the project for the most part show independent or little adult input or participation    1  
2   3
- Does the project show a proper amount of effort and appears complete    1   2   3

**NOTES**

**Total Score** \_\_\_\_\_