



# MET Annual Kareem Family Science Fair

## Project Evaluation Form

### 6<sup>th</sup> Grade – 12<sup>th</sup> Grade

*Please use the following scale:*

- 5 - Excellent
- 4 - Very Good
- 3 - Good
- 2 - Satisfactory
- 1 - Insufficient or not applicable

Student Name(s) \_\_\_\_\_ Grade \_\_\_\_\_  
 Project Title \_\_\_\_\_  
 Judge/Evaluator Name \_\_\_\_\_

*Please circle the score for each criterion and note the total at the bottom.*

#### **Research Question and Hypothesis (25 points)**

- ❖ Problem is meaningful and well-researched \_\_\_\_\_ 1 2 3 4 5
- ❖ Problem involves a creative approach \_\_\_\_\_ 1 2 3 4 5
- ❖ Hypothesis is testable \_\_\_\_\_ 1 2 3 4 5
- ❖ Multiple resources are used for research and cited adequately \_\_\_\_\_ 1 2 3 4 5
- ❖ Problem is appropriate for the grade level and ability of the student(s) \_\_\_\_\_ 1 2 3 4 5

#### **Experimental Design (10 points)**

- ❖ Variables and controls are clearly defined \_\_\_\_\_ 1 2 3 4 5
- ❖ Procedure and methods are adequate and well-described \_\_\_\_\_ 1 2 3 4 5

#### **Data Collection and Analysis (10 points)**

- ❖ Appropriate and sufficient data has been collected to test hypothesis \_\_\_\_\_ 1 2 3 4 5
- ❖ Experiment was repeated multiple times to verify data accuracy, and statistical tests were used to analyze data and draw conclusions \_\_\_\_\_ 1 2 3 4 5

#### **Visual Display (15 points)**

- ❖ Board is neat, attractive, and creative \_\_\_\_\_ 1 2 3 4 5
- ❖ Board is properly labeled; photo credits are shown; 3-5 references are included \_\_\_\_\_ 1 2 3 4 5
- ❖ Student's originality is displayed (use of own handwriting, drawings, photos, hands-on exhibit) \_\_\_\_\_ 1 2 3 4 5

#### **Interview and Communication of Findings (40 points)**

##### **Interpretation of Findings and Relationship to Previous Work in Field (20 points)**

- ❖ Student understands the meaning of the data & limitations of experiment design/procedure \_\_\_\_\_ 1 2 3 4 5
- ❖ Conclusions are supported by data and connection is made to research in that field \_\_\_\_\_ 1 2 3 4 5
- ❖ Data book and research paper are clearly and adequately written \_\_\_\_\_ 1 2 3 4 5
- ❖ Student explores future steps and where to go from here \_\_\_\_\_ 1 2 3 4 5

##### **Demonstration of Understanding (20 points)**

- ❖ Student speaks clearly and explains the project well and in-depth \_\_\_\_\_ 1 2 3 4 5
- ❖ Verbal presentation is organized and strong; student is confident/enthusiastic about topic \_\_\_\_\_ 1 2 3 4 5
- ❖ Student displays thorough comprehension of topic at hand, and answers questions effectively, and addresses "why" and "how" the results at hand were reached \_\_\_\_\_ 1 2 3 4 5
- ❖ Sources of error have been considered \_\_\_\_\_ 1 2 3 4 5

Do you recommend that this project move on to INTEL/Gresham Science Expo? YES/NO

Total \_\_\_\_\_ /100

#### **Judges Feedback and Recommendations**

Judges, please list any recommendations or suggestions you have for this student to enhance his/her project in preparation for the upcoming, more competitive INTEL Northwest Science Expo and Gresham-Barlow at-large Science Expo next Spring.

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