

## Family Data Jam Competition – Judging Rubric

**Screening questions: Does the project include...**

- 1) A written interpretation of the graph?     Yes    No  
 2) A creative component?                       Yes    No

If you answered “no” to either of these questions, please inform the contest administrators and do not continue scoring the project.

| <b>Written Interpretation: 23 points</b>   |        |            |                |                     |             |
|--|--------|------------|----------------|---------------------|-------------|
|  | Excels | Proficient | Below Standard | Well Below Standard | No Evidence |
| <b>1. Title/Organization</b><br>a. The report includes:<br>i. Title<br>ii. Names of participant author(s)<br>iii. Grade(s)<br>b. Interpretation paragraph is typed in a readable font, well organized, and free of spelling and grammatical errors.  | -      | 1          | 0.5            | 0                   | 0           |
| <b>2. Data Representation(s)</b> (at least one graph, table, etc.)<br>a. Graph(s), table(s), or other type of summary includes:<br>i. Clearly displayed data<br>ii. Title<br>b. Labeled axes with units  | 4      | 3          | 2              | 1                   | 0           |
| <b>3. Data Trends or Comparisons</b> (2-3 sentences)<br>a. Trend(s) or comparison(s) are described accurately, using basic descriptive statistics (ex: average, range, standard deviation).<br>i. <i>Ex: The average annual blue crab population increased over time from 158 to 2,703 crabs/m<sup>2</sup>.</i><br>b. Variability in data is described.<br>i. <i>Ex: Despite the overall increase in pearly mussel population from 1995-2010, the mussel population sharply dropped in 2003.</i> | 8      | 6          | 4              | 2                   | 0           |
| <b>4. Data Interpretation (Explanation)</b> (1-3 sentences)<br>a. Gives a reasonable explanation of <i>why</i> their trend happened.<br>b. Explanation is supported with evidence from the graph.<br>c. The explanation is consistent with current scientific ideas.   | 8      | 6          | 4              | 2                   | 0           |
| <b>5. Reference List</b><br>a. Project clearly cites the source of the dataset (i.e., BNIA or BES)   | -      | 1          | 0              | 0                   | 0           |
| <b>6. Explanation of Creative Project</b> (2-5 sentences)<br>a. The goal/purpose of the project is identified.<br>i. <i>Ex: The goal of the project is to inform people about the positive correlation between forest fragmentation and loss of biodiversity by having audience members watch a video.</i><br>b. The audience of the project is identified.<br>i. <i>Ex: The game is geared for fifth and sixth graders who have already studied ecology in their science class.</i>             | -      | 1          | 0              | 0                   | 0           |

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <p>c. Any assumptions about the audience are clearly stated.<br/> i. <i>Ex: It is assumed that the adults engaging with the game have an understanding of the vocabulary words deciduous forest, producers, primary consumers, and secondary consumers.</i></p> |  |  |  |  |  |
|---|--|--|--|--|--|

| <b>Creative Component: 32 points</b>  |        |            |                |                     |             |
|---|--------|------------|----------------|---------------------|-------------|
|   | Excels | Proficient | Below Standard | Well Below Standard | No Evidence |
| <p><b>1. Creativity</b><br/> a. The project is interesting, new, or inspired, and makes an original contribution to the field of environmental art and/or communication.</p>  | 8      | 6          | 4              | 2                   | 0           |
| <p><b>2. Project Quality</b><br/> a. Materials, media, and/or resources are skillfully and effectively used to create an appealing project.</p>   | 8      | 6          | 4              | 2                   | 0           |
| <p><b>3. Data Incorporation</b><br/> a. The trend(s) in the data are accurately and clearly portrayed.<br/> b. After experiencing the project, the audience will understand the trend(s) in the data.</p>                             | 8      | 6          | 4              | 2                   | 0           |
| <p><b>4. Effectiveness</b><br/> a. The project meets its stated goal.<br/> b. The project was appropriately pitched for the stated audience.<br/> c. The design of the project clearly and naturally relates to the data/dataset.</p> | 8      | 6          | 4              | 2                   | 0           |

**Judge's Comments:**

In addition to our overall winners, we give out many Honorable Mentions and special awards for projects that impressed our judges in a specific way. Would you like to nominate this project for an honorable mention or special award? If so, please briefly let us know why. Thank you!