

Desert Data Jam Middle School Division Judging Rubric

Project Number:

Title:

Judge Initials:

For each scoring criterion, please circle your rating.

| Scientific Practices | | | | | | 50 points |
|--|-------------|---------------|---------|---------------|------|-------------|
| | Outstanding | Above Average | Average | Below Average | Poor | No Evidence |
| 1. The <u>background on the science topic</u> section of the board clearly describes the information needed to understand the topic (e.g., decomposition, dust, mammal habitat use, cow behavior and temperature) in the students own words. | 8 | 7 | 6 | 4 | 2 | 0 |
| 2. The <u>information about the dataset</u> section of the board uses the student's own words to describe the methods used to collect the data (e.g., who collected data, how data were collected). | 8 | 7 | 6 | 4 | 2 | 0 |
| 3. The <u>question</u> section of the board clearly states what question students were trying to answer using some of the data from the dataset. | 6 | 5 | 4 | 3 | 2 | 0 |
| 4. The <u>variables</u> section of the board accurately identifies the independent variable(s) and dependent variable(s) in student's question and data trend. Please ask for assistance if there are any questions. | 6 | 5 | 4 | 3 | 2 | 0 |
| 5. The <u>graph of data trend</u> used in the creative project is student made , easy to interpret, and includes a title and accurate axis labels. Computer-generated or hand-drawn graphs are both acceptable. | 6 | 5 | 4 | 3 | 2 | 0 |
| 6. The <u>data trend</u> section of the poster accurately answers the project question and describes the trend of the data that are used for the creative project. | 8 | 7 | 6 | 4 | 2 | 0 |
| 7. The <u>possible explanation</u> section of the board contains a plausible explanation for the data trend. The explanation is supported by evidence and is consistent with scientific concepts. | 8 | 7 | 6 | 4 | 2 | 0 |
| Comments: | | | | | | |

Rubric continued on back

TURN OVER

| Presentation Board | | | | | | | 20 points |
|---|-------------|---------------|---------|---------------|------|-------------|-----------|
| | Outstanding | Above Average | Average | Below Average | Poor | No Evidence | |
| 1. <u>Title</u> of project is prominently displayed; display is on a standard trifold board 36" x 48" or smaller. | 4 | 3 | 2 | 1 | 0 | 0 | |
| 2. Board is visually appealing and neat. | 6 | 5 | 4 | 2 | 1 | 0 | |
| 3. Board does not contain grammar/spelling errors that distract from content. | 5 | 4 | 3 | 2 | 1 | 0 | |
| 4. Board contains a <u>brief reflection</u> section; please <i>do not</i> rate the quality of this section; please give an "outstanding" rating if this section is included or a "no evidence" rating if it is not included. | 5 | | | | | 0 | |
| Comments: | | | | | | | |
| | | | | | | | |
| Creative Project | | | | | | | 30 points |
| | Outstanding | Above Average | Average | Below Average | Poor | No Evidence | |
| 1. Project idea (e.g., video, infographic, poem) is creative. | 10 | 8 | 7 | 5 | 3 | 0 | |
| 2. Data presentation is easily understandable and appealing to nonscientist audiences. | 7 | 6 | 5 | 3 | 2 | 0 | |
| 3. The <u>creative project</u> accurately portrays the data trend that the student identified above. | 6 | 5 | 4 | 3 | 2 | 0 | |
| 4. The creative project references specific data to demonstrate accurate portrayal of the trend (e.g., physical model contains a scale or legend; reference is made to particular data in a poem). | 7 | 6 | 5 | 3 | 2 | 0 | |
| Comments: | | | | | | | |
| | | | | | | | |

Overall Project Comments: