

**Desert Data Jam Middle School Division  
Judging Rubric**

**Project Number:**                      **Title:**

**Students' Names:**

**Judge Initials:**

*Directions: For each scoring criterion, please circle the rating that most accurately describes the quality of students' performance. Please give students feedback after each section. Thank you.*

**Presentation Board**

30 points

	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
1. Title of project and names of students are prominently displayed; display is on a standard trifold board no larger than 36" x 48".	6	5	3	2	1	0
2. Board does not contain grammar/spelling errors that distract from content.	6	5	3	2	1	0
3. Board is visually appealing and neat.	6	5	3	2	1	0
4. The creative product (e.g., video, infographic, poem) is displayed prominently on or near the board.	6	5	3	2	1	0
5. Board contains a <u>brief reflection</u> section; please <i>do not</i> rate the quality of this section; <b>please give an "outstanding" rating if this section is included or a "no evidence" rating if it is not included.</b>	6					0

**Comments:**

**Scientific Practices**

45 points

	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
1. The <u>background</u> and <u>question</u> section of the board clearly describes the information that someone unfamiliar with the science topic would need to understand the project. The research question is clearly stated.	9	7	5	3	1	0
2. The <u>variables</u> section of the board accurately identifies the independent variable(s) and dependent variable(s) used in the creative project.	6	4	3	2	1	0

*Scientific practices continued on back*

**TURN OVER**

3. The <u>procedures</u> section of the board uses <b>the students' own words</b> to describe methods used to collect the data (e.g., who collected data, how data were collected).	8	6	4	2	1	0
4. <u>Graph</u> of data trend used in the project is clearly displayed on the board.	6	4	3	2	1	0
5. The <u>data trends</u> section of the poster accurately describes the trend(s) of the data that are used for the creative project (e.g., lake chloride concentration increased with I-93 construction but decreased after installing plastic liners, while human population still increased).	8	6	4	2	1	0
6. The <u>possible explanation</u> section of the board contains a plausible explanation for the data trend identified and communicated by the project. The explanation is supported by evidence and is consistent with scientific ideas.	8	6	4	2	1	0

**Comments:**

### Creativity in Communicating Data Trends

25 points

	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
1. Project idea (e.g., video, infographic, poem) is creative.	7	6	4	2	1	0
2. Data presentation is easily understandable and appealing to nonscientist audiences.	6	4	3	2	1	0
3. Resources and/or materials were effectively used in a creative way.	4	3	2	1	1	0
4. The creative product accurately portrays the trend(s) of the data.	8	6	4	2	1	0

**Comments:**

**Overall Project Comments:**