

**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 science topic (e.g., decomposition, airborne dust, habitat change, drought)	8	6	4	2	1	0
2. The <u>information about the dataset</u> section of the board uses <b>the student's own words</b> to describe the methods used to collect the data (e.g., who collected data, how data were collected) and accurately identifies the variables in the dataset.	8	6	4	2	1	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	4	3	2	1	0
4. The <u>data trend</u> section of the poster accurately describes the trend of the data that are used for the creative project. This data trend should address the student question.	8	6	4	2	1	0
5. 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.	6	4	3	2	1	0
6. <u>Graph of data trend</u> used in the creative project is <b>student made</b> and clearly displayed on the board. Computer-generated or hand-drawn graphs are acceptable.	6	4	3	2	1	0
7. The <u>possible explanation</u> section of the board contains a plausible explanation for the data trend identified. The explanation is supported by evidence and is consistent with scientific ideas.	8	6	4	2	1	0

**Comments:**

*Rubric continued on back*

**TURN OVER**

<b>Presentation Board</b>					20 points	
	<b>Outstanding</b>	<b>Above Average</b>	<b>Average</b>	<b>Below Average</b>	<b>Poor</b>	<b>No Evidence</b>
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; <b>please give an "outstanding" rating if this section is included or a "no evidence" rating if it is not included</b>	5					0
<b>Comments:</b>						
<b>Creative Project</b>					30 points	
	<b>Outstanding</b>	<b>Above Average</b>	<b>Average</b>	<b>Below Average</b>	<b>Poor</b>	<b>No Evidence</b>
1. Project idea (e.g., video, infographic, poem) is creative.	8	6	4	2	1	0
2. Data presentation is easily understandable and appealing to nonscientist audiences.	7	5	4	2	1	0
3. The <u>creative project</u> accurately portrays the data trend that the student identified above.	8	6	4	2	1	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	7	5	4	2	1	0
<b>Comments:</b>						

**Overall Project Comments:**