

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

Scientific Practices

55 points

	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
1. <u>Title</u> of project is prominently written at top of report.	5	3	2	1	0	0
2. The <u>background on the science topic</u> section of the report clearly describes the information needed to understand the topic (e.g., decomposition, dust, wildlife conservation, drought, beetle populations).	8	7	6	4	2	0
3. The <u>information about the dataset</u> section of the report 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
4. The <u>question</u> section of the report clearly states what question students were trying to answer using some of the data from the dataset.	6	5	4	3	2	0
5. The <u>variables</u> section of the report 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
6. The <u>graph of data trend</u> used in the creative project is student made and clearly displayed in the report. Computer-generated or hand-drawn graphs are acceptable.	6	5	4	3	2	0
7. The <u>data trend</u> section of the report 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
8. The <u>possible explanation</u> section of the report 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

Report		15 points				
	Outstanding	Above Average	Average	Below Average	Poor	No Evidence
1. Report does not contain grammar/spelling errors that distract from content and is formatted neatly.	10	8	7	5	3	0
2. Report 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 creative project 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: