WATER CONSERVATION DATA JAM REPORT ROUGH DRAFT WORKBOOK

YOUR NAME:

FUN, DESCRIPTIVE TITLE FOR YOUR PROJECT:

DATA TREND

From the grading rubric – 15 points: The data trend is one or two sentences that describes a clear pattern in the data. It is specific and includes more than one variable.

1. Explore the dataset on your handout and identify a data trend you want to use for your project.
2. A good data trend should:
   a. Show a pattern, not just one data point
   b. Contain more than one variable
   c. Only include data found on the dataset provided
   d. Be specific
   e. Be about the main variable (water use)
3. This will be your data trend for the entire project. Briefly state the trend **HERE** in one or two sentences.

_____

_____

_____

GRAPH

From the grading rubric – 10 points: The graph of data trend is a clear representation of the data trend. It includes a title, axis labels, and a legend (if necessary). Computer-generated or hand-drawn graphs are acceptable.

Make a graph that shows your data trend. Be sure to include a title, axis labels, and a legend, if necessary. The graph should contain only the data from the dataset that are part of your data trend.

© Asombro Institute for Science Education, Las Cruces, NM
(575) 524-3334 (www.asombro.org)

POSSIBLE EXPLANATION

Draft one to two paragraphs giving a possible explanation for your data trend.

From the grading rubric – 10 points:
The possible explanation section contains a reasonable explanation for the data trend. The explanation is consistent with scientific concepts.

CREATIVE PROJECT

1. The creative project is a fun and interesting way to show your data trend. It can be an infographic, model, poem, song, etc. Use the space below to brainstorm and plan your creative project.
2. For most projects, you will need a key that explains the scale and the symbols. You can work on that key **HERE**.

From the grading rubric – 30 points:
The creative representation of the data trend (e.g., video, infographic, poem) is creative, easily understandable, and appealing to nonscientist audiences. The creative representation accurately portrays the data trend. The creative representation references specific data to demonstrate accurate portrayal of the trend.

© Asombro Institute for Science Education, Las Cruces, NM
(575) 524-3334 (www.asombro.org)

ACTION PLAN

1. Make a plan for solving the water issue identified in your data trend.
2. Answer the following questions.
   a. What is your data trend?
   b. What is your proposed solution to help solve the issue you identified in your trend?
   c. What audience will you try to reach?

From the grading rubric – 15 points:
The action plan proposes a good solution that would help solve the water issue identified in the data trend. The audience for the proposed solution and the way in which this audience would be reached is identified.

BRIEF REFLECTION

1. Write your thoughts about the Water Conservation Data Jam.
2. Answer questions such as: Which part was the most fun? What challenges did you have? What did you learn? You automatically get five points for writing your thoughts about the project and zero points for forgetting. **Don't forget this part!**

© Asombro Institute for Science Education, Las Cruces, NM
(575) 524-3334 (www.asombro.org)