KSL Weather Project

During starter time this week you will be watching the weather. You will record the forecasted high and low temperatures for each day. Also record what kind of weather occurs, for example: cloudy, rainy, cold, clear, sunny, etc. You will record the actual temperatures on the following day. All data will be recorded into the data table below.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Forecast temperatures and weather | | | |  | Actual temperatures and weather | | | |  |
| Date | High °F | Low °F | Weather |  | Date | High °F | Low °F | Weather | Humidity % |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

As you watch the weather broadcast, list at least twelve terms that you hear that connect to what you’ve learned in the classroom.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graphing the data (draw your graph on graph paper and staple it to the back of this page)

Now that you have recorded a weeks’ worth of forecasted and actual temperatures along with the general weather data, graph the data to look for trends. Use the X axis for the days and the Y axis for the temperature.

Analysis questions.

1. What was the average forecasted high temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What was the average forecasted low temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What was the average actual high temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What was the average actual low temperature for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What was the average humidity percentage for this week? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

KSL Weather Project Conclusion Rubric

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_

Reviewer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In order to be graded:

* Your rough draft must be annotated and reviewed by a peer.
* You must hand in the rubric, rough draft, and final draft. Staple in that order.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Essay Check List** | **Student Review** | | | **Teacher Review** | | |
|  | **Got it** | **Not Yet** | **Not Here** | **Got it** | **Not Yet** | **Not Here** |
| **Your writing must include:** | | | | | | |
| \* Describe project and procedures. (What you did. How you did it.) |  |  |  |  |  |  |
| \* Describe your data. (Explain the data in your graph) |  |  |  |  |  |  |
| \* How close to the forecasts is the actual weather? |  |  |  |  |  |  |
| - What does this tell us about forecasting the weather? |  |  |  |  |  |  |
| \* What kind of general weather was there during the week? |  |  |  |  |  |  |
| - How did it relate to the temperatures of the day? |  |  |  |  |  |  |
| \* What was the humidity like during the week? |  |  |  |  |  |  |
| * Do you see a correlation between humidity and other weather factors |  |  |  |  |  |  |
| \* Conclusion |  |  |  |  |  |  |
| **ENGLISH CONVENTIONS:** | | | | | | |
| - Correct spelling, punctuation, and capitalization. |  |  |  |  |  |  |
| - Complete sentences are used and in paragraph form. |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 100% | 80% | 70% | 60% |
|  | 4 | 3 | 2 | 1 |
| Required | Must have ALL parts listed in the checklist | Must have all parts with an \* in the GOT IT column. | All parts with an \* are in the NEEDS WORK column. | All parts with an \* are in the NOT YET column. |
| Missing Parts | NO MISSING PARTS  NO MISTAKES/ERRORS  MUST BE TURNED  IN ON TIME | -Some incomplete sentences  -Minor errors in spelling, punctuation, and grammar.  -Best Score for late work. | -Incomplete sentences.  -Major errors in spelling, punctuation, and grammar. | - - Incomplete sentences.  - Major errors in spelling, punctuation, and grammar. |