**Scientific Method Quiz Replacement Assignment**

1. Go to the following website:

[**http://www.sciencebuddies.org/science-fair-projects/project\_scientific\_method.shtml**](http://www.sciencebuddies.org/science-fair-projects/project_scientific_method.shtml)

1. Read through the entire site and descriptions of the scientific method and take DETAILED notes on what you are reading. When you read the information in the table at the end with the orange bar at the top, make sure you click on the red links in the right column of the table as well and take notes on these. Your notes should reflect that you read all of these links, as well the information on the main page, extremely thoroughly. If your notes are lacking in detail, or look like you haven’t dedicated time to reading this information and reading all the links, you will not receive a good grade.
2. Design and complete your own lab testing which brand of paper towels is the “best.” Use your notes to design a lab that covers every aspect of an effective and accurate lab. You’ll need to write up a complete lab procedure including all steps of the scientific method (including research!) on a separate piece of paper (yes, it can also be typed).
3. Here is some helpful information in designing and completing your lab. You’ll need to have more detail than listed in the bullets below to earn a good score on this assignment, but those are just reminders.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Towel** | **Cost** | **Sheets** | **Ply** | **Area m2** |
| **Brawny** | 0.99 | 105 | 2 | 4.46 |
| **Sparkle** | 0.63 | 144 | 2 | 5.61 |
| **Bounty** | 1.11 | 78 | 2 | 5.75 |
| **Decorator** | 0.63 | 56 | 2 | 4.37 |
| **Great Value** | .86 | 56 | 2 | 4.36 |
| **Viva** | 1.27 | 115 | 1 | 5 |

* You’ll need to determine what the definition of “BEST” is. (Example: it absorbs the most water for the price)
* You will need to perform at least 2 tests to test your hypothesis. Make sure that your experiments are about your hypothesis, and not something else.
* Be sure that you record all of your data in data tables. Keep really detailed and accurate records of exactly what you do.
* Graph your results and state your conclusion.

1. You will turn in both your notes and lab report into the late basket in order to earn credit**.**