# **Experimentation (Daily) Log**

Pre January 1, 2001 – Gathering background information on the plant genus, *Agrostis* and the element Sulfur. Also gathering information on the prokaryote Bacillus Cereus. Experimentation has not yet started, but steps are being thought out and equipment has been gathered in the biology lab.

January 2, 2001 – 3 types of grass are obtained from the Pacific Seed Co. in Livermore, CA. Planting begins roughly 2:30 P.M. and ends around 5:00 P.M. Each small soil pot contains 15 grams of substances (dirt and sulfur). 5 different sulfur concentrations of soil are made for each of the 3 species of grass. 0%, 10%, 25%, 50% and 75% (Note: 75% sulfur concentration is too much sulfur, so we are afraid that the grass will not grow). Water is sprayed with a sprayer and we gave it 8 sprays per section.

January 3, 2001 – Jessica comes between 12 – 2 PM to water the plants. She comes again around 5:00 P.M.

January 4, 2001 – Hyunje comes during 12 – 2 PM to water the plants. He comes again around 5:00 P.M.

January 5, 2001 - Hyunje comes during 12 – 2 PM to water the plants. He comes again around 5:00 P.M.

January 6, 2001 - Hyunje comes during 12 – 2 PM to water the plants. Jessica comes around 5:00 P.M. At this point, each grass section has received the same amount of water as the others.

January 7, 2001 – Jessica comes during 12 – 2 PM to water the plants. She comes again around 5:00 P.M.

January 8, 2001 to March 2 – (Back to School) Jessica feeds plants in the morning before school starts daily. Hyunje checks on plants lunch time, around noon. By March 2, the hypothesis, problem, and procedure is completed.

February 2, 2001 – Moved the grasses to Mr. Simms’s (a biology teacher) room for better growing conditions. Grass begins to flourish soon after. The procedure is being written for the experiment. It is completed on Saturday, March 3, 2001.

March 5, 2001 – Grass is moved to Mr. Thiel’s (Our biology teacher) room. We plan to uproot the grass this week to start our experiment. The abstract and the acknowledge page is written and completed.

March 6, 2001 – Finished the Introduction.

March 7, 2001 – Started the experiment. Follow procedures carefully and efficiently. The experiment went well. Finished half of the experiment today. Get the results for these trials tomorrow.

March 8, 2001 – We tried to finish the experiment today. Some of the results are in. Record them in data charts. Don’t forget to keep everything the same. Get the results tomorrow.

March 9, 2001 – Finished the experiment and the obtained the results. Recorded into the data charts and graphed. Start our results and conclusion. Get a statistical analysis.

March 12, 2001 to March 16, 2001 – Work on Write up for the Science Fair. Most of it is completed except for the minor sections, such as the bibliography and the recommendations page.

March 17, 2001 – Finished Recommendations page.

March19, 2001 – Finished the Bibliography and works cited pages.

March 20, 2001 – Buy the poster board.

March 21, 2001 to March 24, 2001 – Worked on the display board and finished!! Our experiment and scientific journey is complete. We are a success.

March 25, 2001 – Get ready for the science fair.