

## Anish's Science Fair Logbook

**Jan. 29**

**Duration: 15 Minutes**

Activity: Finished 2C form to hand out to students and teacher photocopied them around 50 copies

**Jan. 30**

**Duration: 20 Minutes**

Activity: Handed out my 2C Form for consent by students to take part in my study to the two classes

**Feb. 12**

**Duration: 5 Minutes**

Activity: Filled out my Declaration form, checked how many forms right now I have 7 so we decided to give some incentive to the students for more forms and students participating. Handed more forms out for people that lost theirs.

**Feb. 20**

**Duration: 20 Minutes**

Activity: Bought the chewing gum that will be used in the experiment "5 Gum Spearmint Rain Sugarfree Chewing Gum" from Save on Foods, additionally bought another packet of Juicy Fruit Original Gum as an incentive to bringing back the form and doing the experiment. Total was \$10.48

**Feb. 20**

**Duration: 30 Minutes**

Activity: Created experiment for Concentration by typing random keys and ensuring that the letters that they are trying to find are not jumbled together and tried the experiment myself and am thinking of giving 1 min as the time they get.

**Feb. 21**

**Duration: 20 Minutes**

Activity: Created experiment for memory by just typing random numbers in a line and increasing it by one every time and printed all the experiment papers

**Feb. 23**

**Duration: 25 Minutes**

Activity: EXPERIMENT DAY!! First I started out with giving a brief explanation of the two tests, one for memory and one for concentration. Then I specifically explained how to do the two tests. I had a bag with 16 slips of paper folded that either had A or B. If it had A that meant they would

get gum and if it had B they wouldn't get gum. I went up to every participant and they got to choose one randomly and pick it out. When everybody had the slips I asked for their letter and either gave them gum or not. The piece of paper they had either had "A" or "B" which signifies if they had gum or their test or not but they were asked to not write their names. I started with the concentration test and handed out the piece of paper to every student participating with the page facing down. I explained their main objective was to find the letter "J" in 1 minute. As I was handing out the gum and explaining the test the students had time to break in the gum and start chewing it. I started a 1 minute timer and told them to start. When one minute was over I asked them to put their hands up. Then I asked them to flip the page so they have a blank page on the back. Next I did the concentration test, whoever was chewing the gum still chewed the gum and I explained what they had to do in this test. I read out the line of numbers and they listened to the end then wrote it down and it became harder every time. When I got to the last line I asked them to stop and wait for me to collect their paper. I collected all the papers and separated them into two piles. Then when the test was over the people who didn't get gum I gave them a piece of gum and there was extra so I gave one to everyone who participated.

**Feb. 26**

**Duration: 40 Minutes**

Activity: Started gathering in the results for the tests and sorted them into "A" and "B"

**Feb. 27**

**Duration: 1 Hour**

Activity: Finished marking the tests and added them into a google sheet to organize them by student number, created some graphs with the data and came to the conclusion chewing gum does help memory and concentration in this scenario

**Mar. 7**

**Duration: 1 Hour**

Activity: Finished most of the CYSF platform and made document for my teacher to edit

**Mar. 12**

**Duration: 1 Hour 30 Minutes**

Activity: Created Script for presentation and recorded and edited everything.

**Mar. 13**

**Duration: 30 Minutes**

Activity: Reviewed all the suggestions my teacher told me and edited the document

**Mar. 14**

**Duration: 2 Hours**

Activity: Finished the whole CYSF platform and added info to the conclusion page