SWING OR BE SWUNG

CYSF LOGBOOK - Sophia Mathews & Ashley Wang

Date	Tasks Completed
October 2	Talked with my teammate and researched different topics for science fair
October 3	Stumbled upon resonance as a research topic from a mutual
October 5 - 7	Set up our schedule and created our question and hypothesis
October 7	Emailed our physics teacher to see what could be done on learning more about our foreign topic.
October 7	Our physics teacher replied, but we did not see the email until the 9th of October.
October 9	We went to consult with a physics teacher on questions we had and for a deeper/better understanding on our topic.
October 17	Everything we needed to know before we started was done. Research and procedure, materials and hypotheses were created.
December 1	We came up with our contraption that would show how we would test our hypothesis, and how we would show what resonance was.
January 19	Framework was cut and built for testing. Strings were attached and all materials were gathered and put together
January 20	While testing, we ran into a slight issue with the bottom legs of our framework not moving around as much as we calculated it to. Later on we figured out that the legs were not tightened properly and were not connected to the tee connector.
January 26	We started on our trifold by creating an outline for our speeches and presentation.

January 26	Extra research was done to create a better understanding for the audience, along with variables and data being imported to our spreadsheet
January 27-28	Graphs were created along with issues. While we were looking over our recordings we noticed the ruler we placed to measure how far the pendulums swung was not part of the videos, as it was just underneath what the camera captured. As a result we had to resort to a sport coaching app to measure our pendulums which worked enough for the time being. Later on we noticed that the camera had slightly shifted halfway through our testing process, and our calculations were now estimates.
January 28	All of our work was being printed out and posted onto the trifold along with decorations, with the science fair being the next day.
January 29	Day of the science fair: everything was printed and ready to go. Our structure for testing had been taken down and brought to the school for the science fair.
February 2	The science teacher (CYSF coordinator) announced our project placed 2nd in the school science fair and that we would be attending the CYSF.
February 5	Sophia was sick on the day we were to fill out our forms for the CYSF meaning only Ashely filled out the form.
March 2	We found out that all our information for the CYSF was due on March 4
March 2	Extensive research was done and we came up with our new measurement system and built it.
March 2	We found out that Sophia didn't have access to the CYSF project board, and didn't have credit or access
March 2	Sophia tried to contact the CYSF, but they declined any communication due to the fact that we are students, so our coordinator sent in an email.

March 3	We learned that we were supposed to submit our “Ethinics Due Care 2A” form back in February, which he had not done.
March 3	We submitted our “Ethinics Due Care 2A” form, awaiting a reply.
March 3	New testing was completed, this time ensuring we had everything in place. - Camera was taped to the table - Structure stabilizers were taped to the table - Measurement board was taped to the table - Everything was measured from distance of where it stood to the end of the table -
March 3	Everything was entered into a table
March 4	No replies from either requests - we thought we were not going to the science fair and gave up.
March 4	On the evening of March 4 we learned that our form had gotten in, and we were officially in the CYSF.
March 4	Both of us started entering data through Ashely’s account due to the fact that Sophia was not technically signed up for the CYSF
March 4	Graphs and summaries were completed and inserted onto the webpage.