

Science Fair Logbook

2022/2023

General

- Do students remember things better with a screen or whiteboard?
- Use 6A to experiment. 6B as well
- Write 30 words on the board, erase and give students 2 minutes to write down all the words they remember. Do the same with the screen.
- Must be the same color because the color will affect the results.
- 30 words.

Checklist for November

- Make a plan for words
- Be completely ready to have the experiment in December
- Start online portfolio
- Create calendar
- RESEARCH
- Form hypotheses
- Find variables

Words

- 60 words
- 20 3-letter, 20 4-letter and 20 6-letter
- 30 coloured and 30 black

- 3-letter: **cat**, **dog**, **rug**, mat, bed, **red**, ink, **sit**, tag, **eat**, end, **tea**, ask, rye, **nay**, due, **pan**, **sea**, **jam**, **elf**.
- 4-letter: **away**, bush, best, calm, **code**, dark, earn, **exit**, dull, fall, bray, hang, **acne**, barn, **data**, hoot, rent, **horse**, **peak**, **fowl**.
- 6-letter: **abroad**, belong, **desire**, **equity**, **father**, **manage**, **luxury**, making, palace, review, **assume**, arabic, **affect**, **hurled**, **double**, waited, **velvet**, weasel, **expose**, eraser.

Research

Whiteboards

- Enhance student learning and participation.
- Are affordable, practical and easy to maintain.
- They improve students' fine motor skills.
- They stain easily.
- The glare from the whiteboard and light can make it hard for visually impaired students to see.
- You don't need training to work on a whiteboard, but you do need training to work on a smartboard.
- Barely any impacts on eye health

Smart boards

- Save and share lessons.
- Paper free lessons to keep the environment clean.
- You can play videos easier on smart boards.
- Students can be woken up in the morning with the screen.
- Fragile, and fixing/replacing is expensive.
- Pen can get lost.
- Expensive in general.
- Projecting virtual elements.
- Interactive
- Older teachers might be resistant to working with a smartboard.

- Multiple colors

General

- People who have done something like this in the past say that smart boards are better for classrooms because you can save things and do anything digital instead of writing it out.
- However, students that have more than two hours of screen time often do worse on thinking and language tests, meaning that screens might have a negative effect on students' education.

Hypotheses

- We both think that the screen would be better for classrooms because last year we made a project on whether people remember bright colors better than dull colors and we found that people remember bright colors better. She feels that a screen would be brighter than a whiteboard, therefore a screen would be better for classrooms.

- **Variables**

- Number of words that the people remember on a whiteboard.
- Number of words people remember on a smart board.

SOURCES

- 365learn.org

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- Dataprojects.com
- teachhub.com

Checklist for December

- Conduct experiments
- Get close to finishing online portfolio*

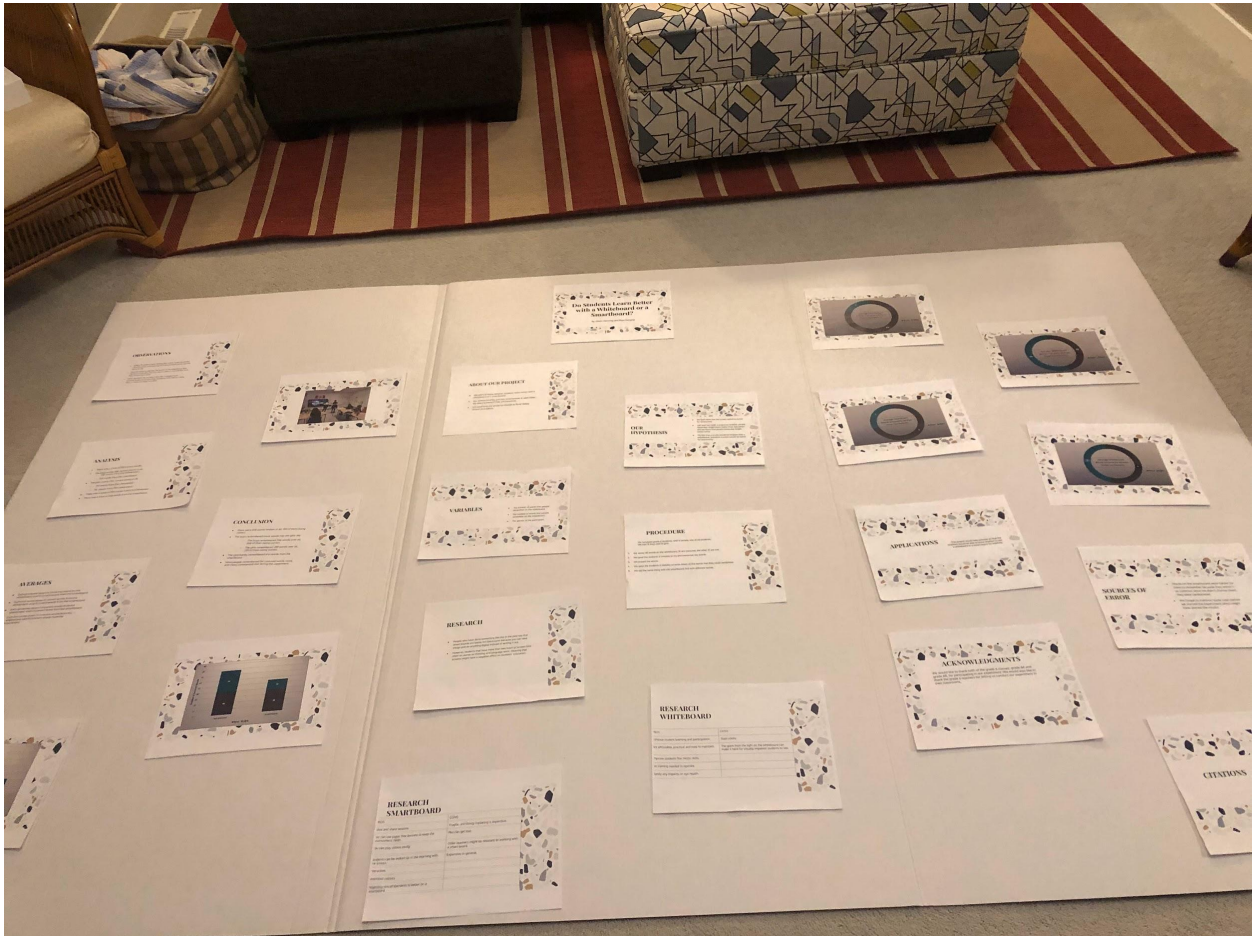
Checklist for January

- ~~Have a day of the week to meet in person~~
- ~~Get the trifold~~
- ~~Fill out trifold~~
- ~~Meet in person after school~~
- ~~Finish CYSF on platform (without recording)~~
- FINISH PROJECT (without recording)**

Order of Events on January 5

- Olivia
 - Sources of Error:
 - Acknowledgement
- Riya
 - Procedure
 - Observations

Trifold Planning



- (NOTE: THE PILE IS ARRANGED FROM LEFT TO RIGHT, PLACE DOWN STAGGERED!)
- Memorize (most of it)
 - Remember who's saying what.
 - PRACTICE, PRACTICE, PRACTICE!!!!
- Glue it down

Checklist for March

- Record video