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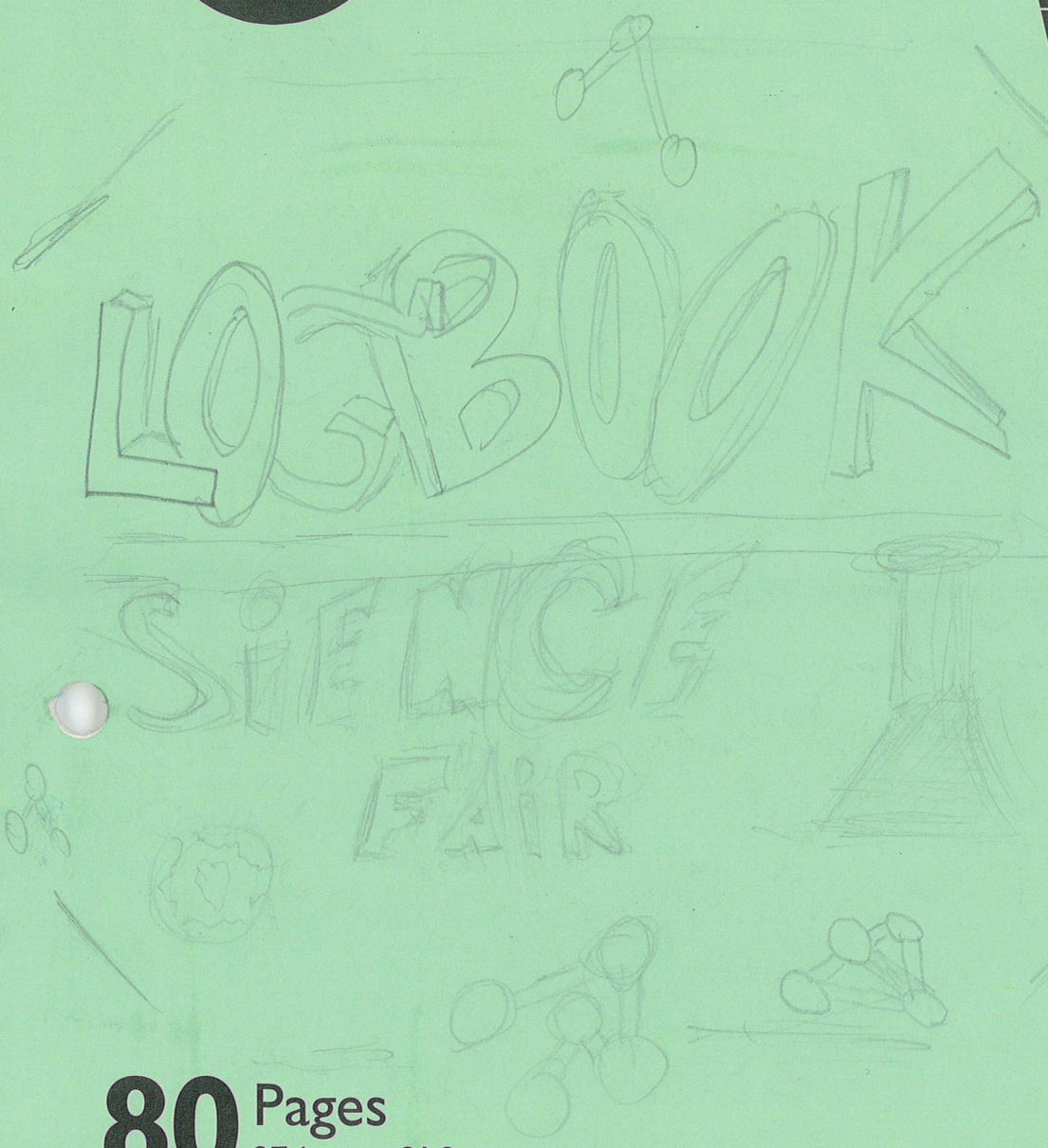

80 Pages
27.6 cm x 21.2 cm

Ruled 7 mm • Ligné 7 mm

EXERCISE BOOK
CAHIER D'EXERCICES

NAME/NOM _____

SUBJECT/SUJET _____

ASSEMBLED IN CANADA WITH IMPORTED MATERIALS
ASSEMBLÉ AU CANADA AVEC DES MATIÈRES IMPORTÉES

12107

HLA Science fair project

Logbook

Sources

1. Zaineb Berka 2. Nabil Benmoussa and

3.

Safety procedures

Asked my dad to grind and cut the wood and metal, used eye protection, worked in garage when cutting and glueing.

Hypothesis

A small wind turbine on a highway can generate electricity using both slipstream and natural wind.

Observation: First we made a pulley system to move the stick but the ratio was too small, so we had to make a bigger to smaller pulley system, this is one that worked the best and generates the most.

Conclusion: In the End, our wind turbine generated electricity, proving that this technology works. By using wind turbines on highways, we can recycle polluted air and convert to clean energy.

Dated Entries

1/20/25 12:00 - 2:00

- I wanted to do a highway wind generator. I read the rules.
- went to the hardware store bought Materials

1. 2x2 wood plank
2. Screws
3. glue

- from amaza I bought

1. Mini generator
2. LED light bulb
3. fidget spinners
4. pulleys

- Then we broke 1 fidget spinner so we can use the bearings
- got a piece of wood and drilled 2 holes in it.

1/21/25 2:00 - 5:00

- The next day we got thin sheet metal cut, it out and sanded it.
- Then bended the thin sheet metal with a bottle and our hands
- We put a wooden rod in the middle
- then inserted Bearings in between the click
- then inserted a pulley system, and put a generator on the other end.

1/27/25

- we solded the generator wires to the LED light BulB

-them painted the road

1/28/25

- we screwed the generator to the road and finished up the slides.

2/1/2025

We finished building the model and made flash cards to practice on what we were going to say.

2/2/2025

We edited the slides and made a few adjustments.

2/3/2025

Now we printed the slides and completed making the trifold.

Background: we were watching videos whe
we saw a wind turbine, but then we tho
what if it was smaller and still accomplish
the same things thats when we saw
highway wild turbine