




32 Pages
27.6 cm x 21.2 cm

Ruled 7 mm • Ligné 7 mm

EXERCISE BOOK CAHIER D'EXERCICES

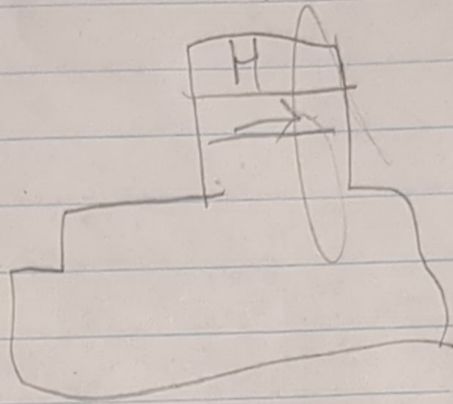
NAME/NOM Science 100 Lucas, F

SUBJECT/SUJET Science - Fair

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

12692

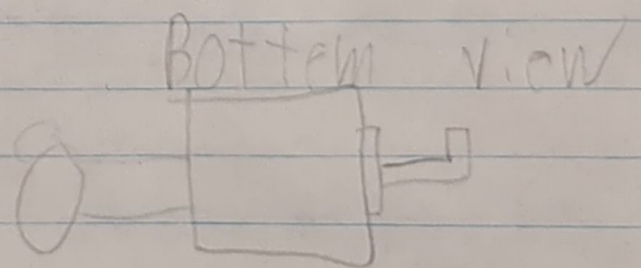
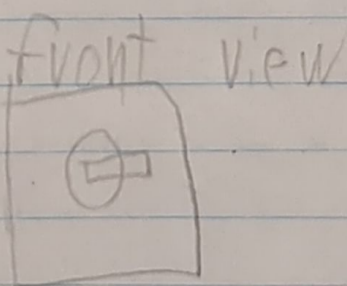
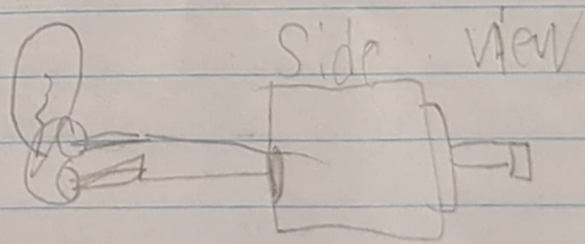
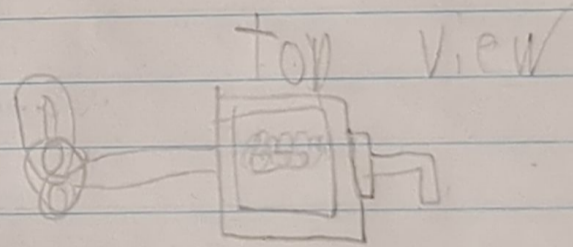
Thermoelectric generators



Hand Crank

Water

- copper wire
- bent inductor
- 3d parts
- normal wire
- light bulb



Prototype

1-3 sponges

2- Duct tape

3- pen tube

4- Lunch plastic bag

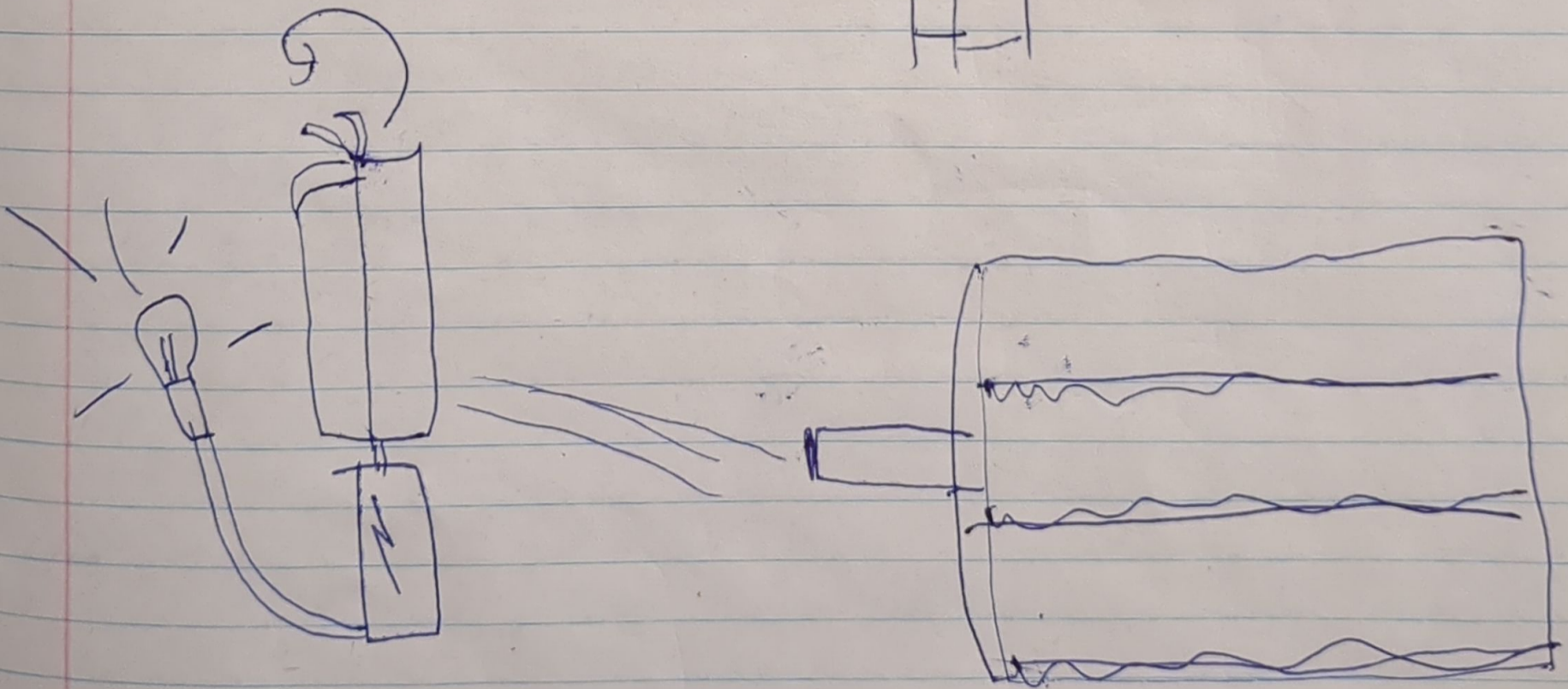
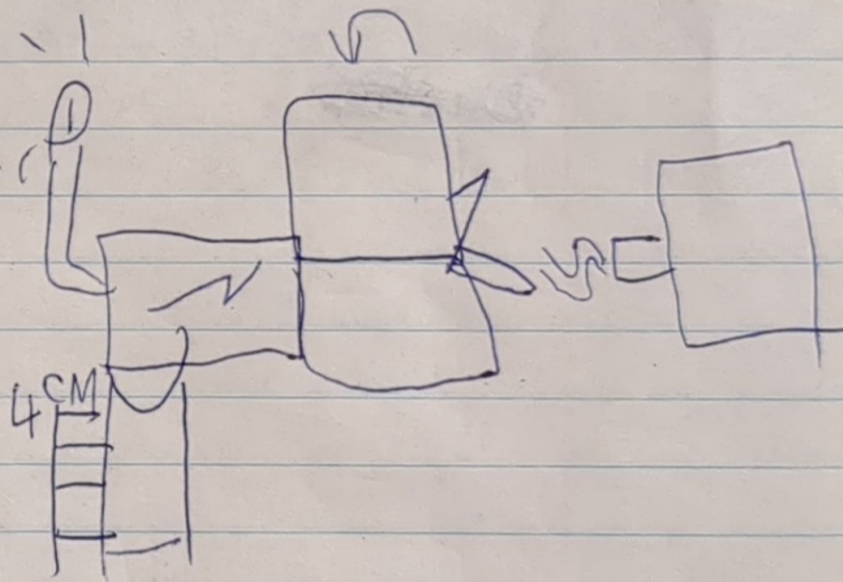
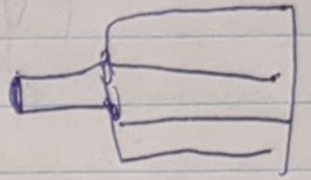
5- Hot glue

~~6- motor~~ motor

7- fan

8 wire + Led + holder

9 // Lego™



• Sponge more efficient

• context

• Types of foam to use

• Rebond foam

• Polyurethane foam

• Polyester sponges

• Latex foam

~~•~~

Project Topics

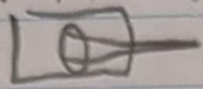
Topic: Generating energy.

Question: How can kids help generate energy for the school?

Hypothesis: If I ^{use} a wind mill that ~~needed~~ needed wind, I could make ~~an~~ some sort of bag, that would push wind to power the wind mill.

Tests

With Longer Nozzle



0,33V | 0,54V | 0,65V | 0,35V | 0,35V

Comparing protos

Small 0,28V | 0,51V | 0,89V | 0,98V | 0,25V | 0,36V

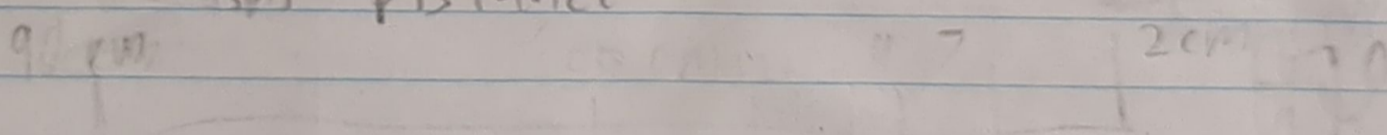
Big 1,38V | 0,45V | 0,23V | 1,70V | 1,40V | 1,80V

With shorter hole hole size 8mm



1,46V | 1,26V | 0,84V | 0,84V | 0,40V

~~Distance~~ Distance



	10 cm	9 cm	8 cm	7 cm	2 cm
1	1,76V	1,80V	1,8		1,70V
2	1,45V	1,01V	1,0		1,65V
3	1,84V	1,92V	1,9		1,53

0,00V
0,00V
0,00V

Tests cont.

Height

Flour 0cm

1,73 1,53 1,62

Medium 5cm

1,26 1,83 1,42

Height 7cm

0,65 0,00
0,02

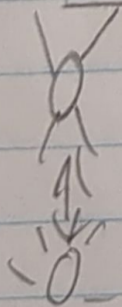
300

5 cm

7 cm

9 cm

1,77	1,82	1,20
1,76	1,27	1,46
1,78	1,07	1,36
1,93	1,31	1,21
1,77	1,62	1,78
1,64	1,42	1,81
1,84	1,22	1,06
1,73	1,76	1,83
1,85	1,74	1,82
1,50	1,76	1,75



Higher = Better

Lower = Worst