



CANSAT JUICE

First Support Session



NAME OF PROJECT:
JUICE

PRESENTED BY:
**Louna de Locht &
Nathan Bastin**

PRESENTED TO:
Support Team



PRIMARY MISSION :

09/01

- 01 We finished all of our codes and we tested them, and they all work. we tested at further distance with a Yagi antenna and it worked.
- 02 We tested our parachute, and he works good, but we still have to test it from a greater height. We faced a minor issue, the final speed was way too low (3,4m/s and it's supposed to be around 8m/s). We believe that it's due to the limited drop height of two floors. We plan to conduct further tests at a different location with a significantly greater height.



image generated by ai

Overview

So, the primary mission is on excellent way and there is absolutely no reason that we would have any problems with it.



WHAT IS OUR PROJECT?

01 WHAT?

Our project is to be able to analyse the type of bacteria that is present at the landing site.

02 HOW?

We will use special foam that we will put inside the can. Thanks to a propeller, we will bring the outside air against the foam, then we will analyse it in petri plate in a laboratory.

03 Everything will be secured and kept sterile thanks to a valve that will be kept close thanks to electromagnets.

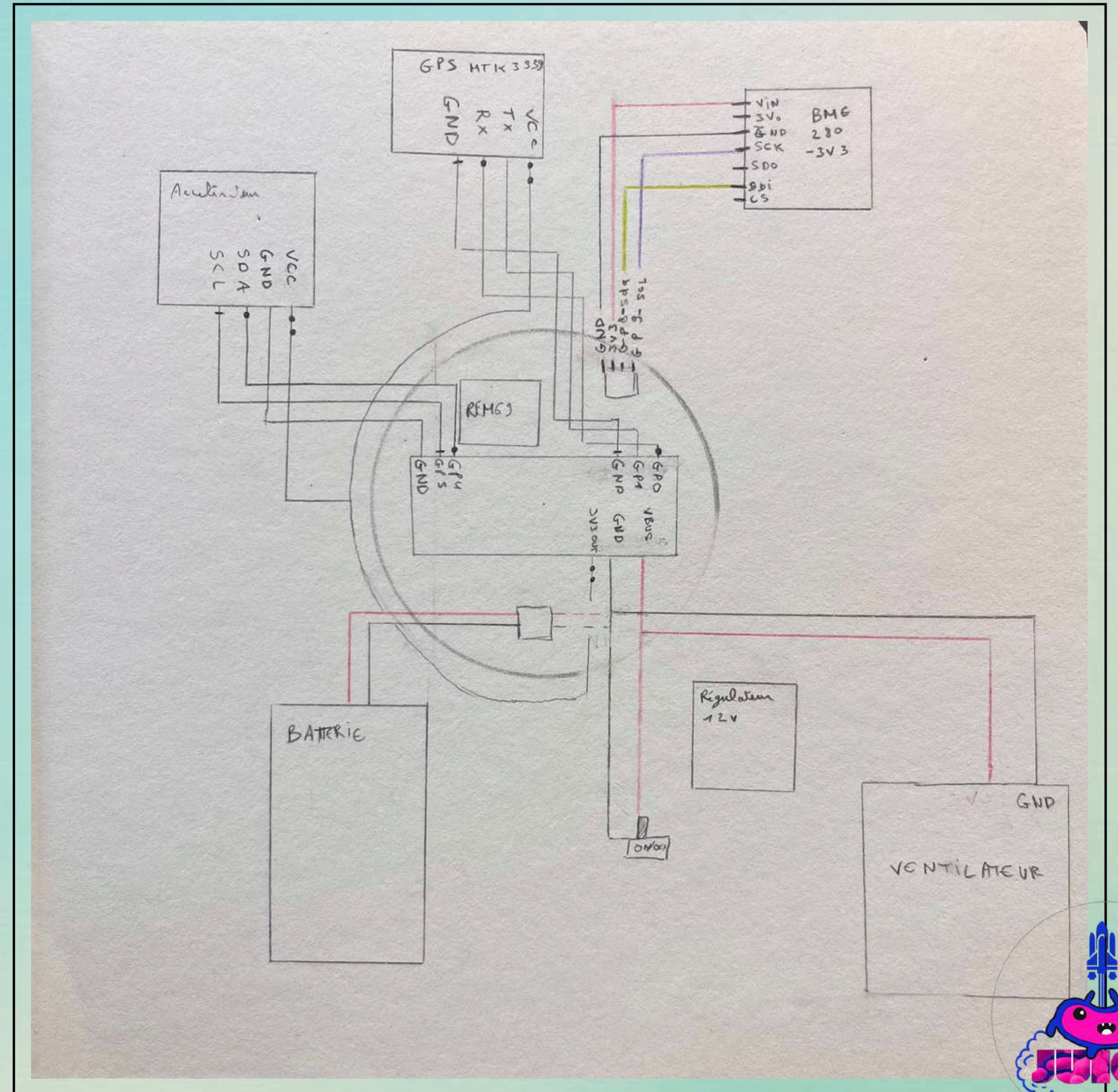
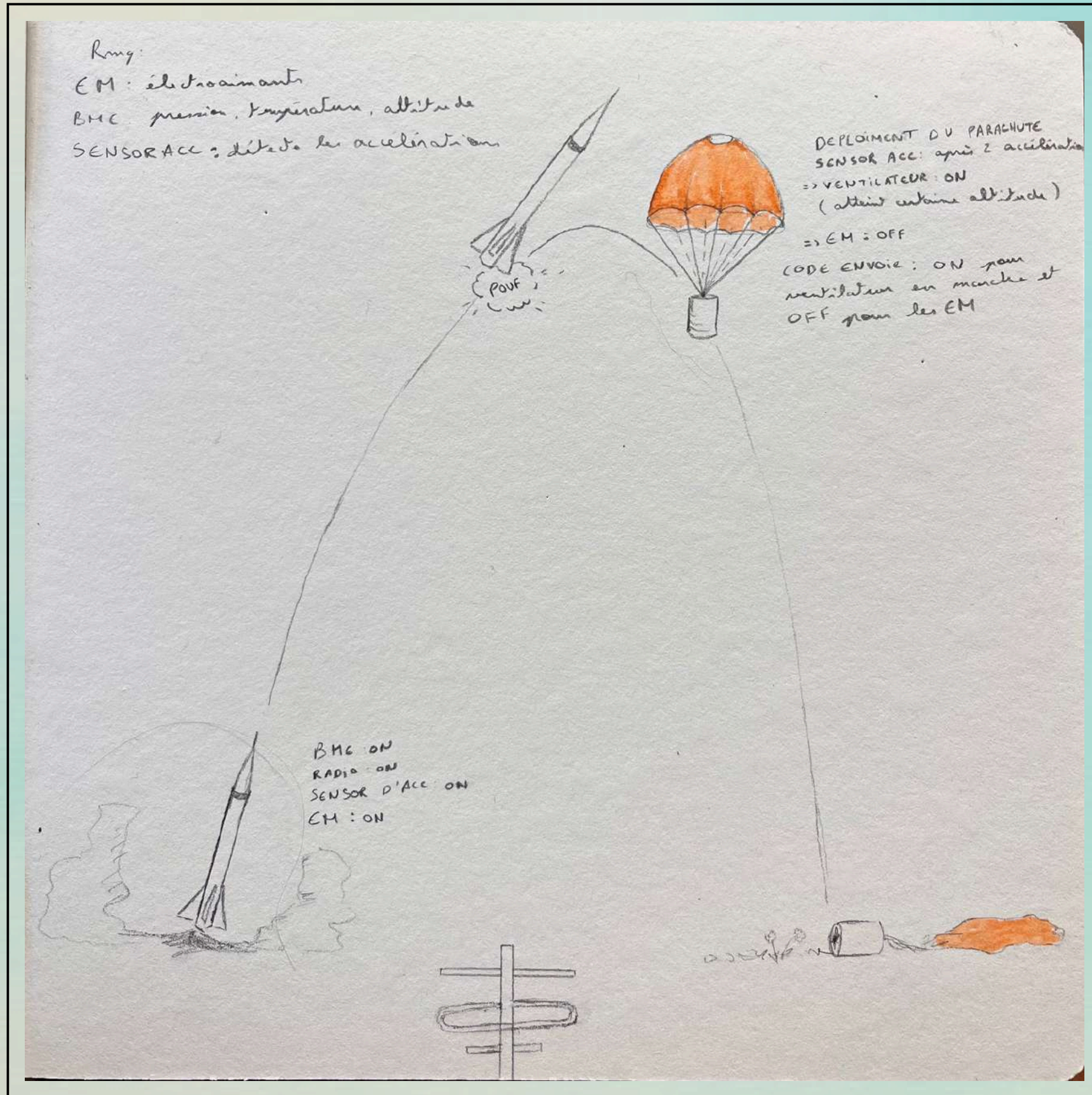
Overview :

We already thought about all the internal functioning of the can, and we already have the propeller and all the necessary codes for our primary mission. We did not bought the gps, the accelerometer and the electromagnets yet but we will soon.



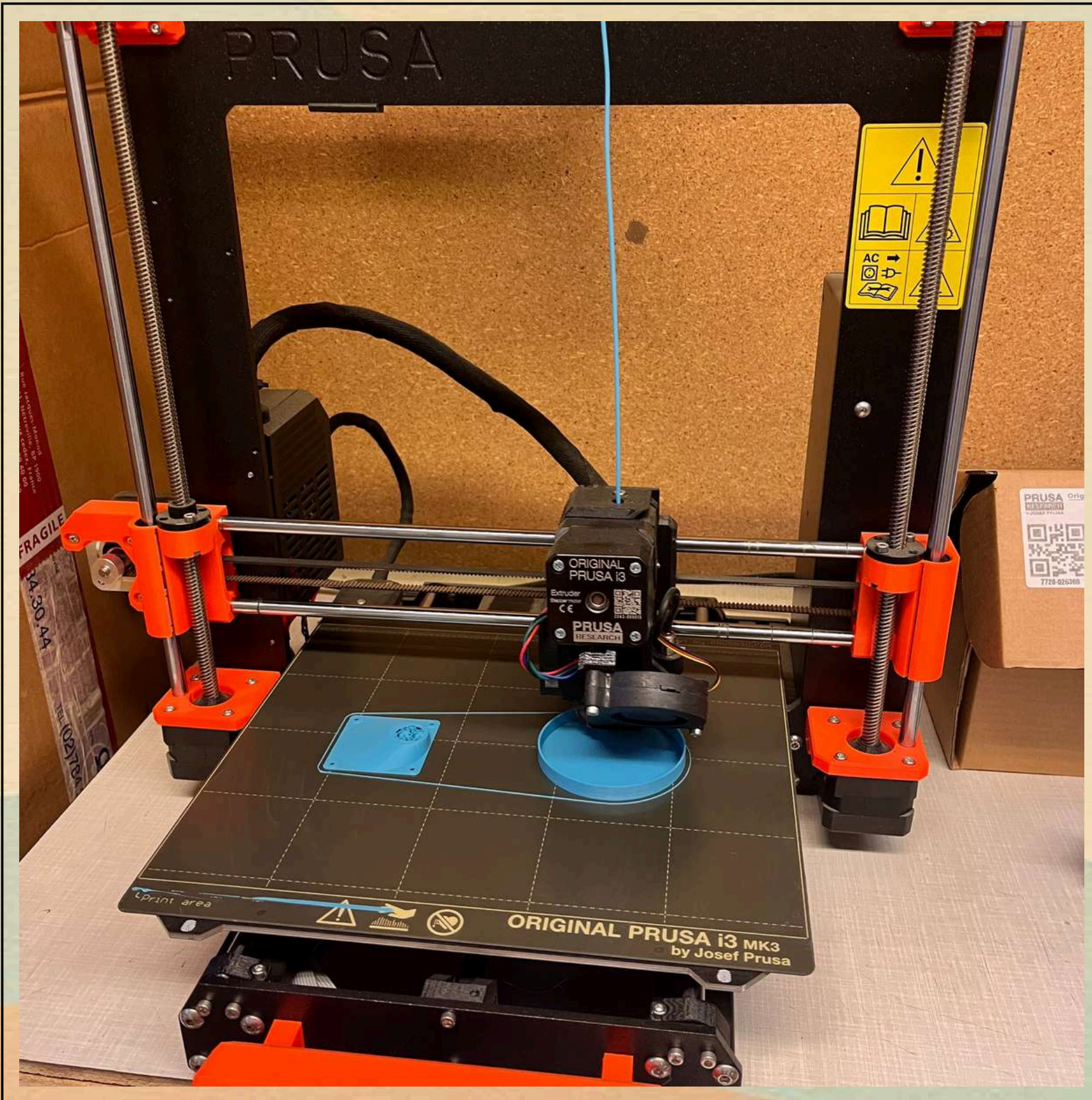
Some pictures:

09/01



Some pictures :

09/01



We printed first test for our cansat



We did first tests with our parachute



Our team :

09/01

NATHAN BASTIN



ALEXANDRE ITSCHERT

CASSIEL URBANSKA RICHEL

WITH THE HELP FROM: FRANCOIS DELVIN, JEAN-LUC OTTINGER, BRIEUC DELHANGE AND SOPHIE DERUDDER

LOUNA DE LOCHT





WHAT DOES OUR LOGO REPRESENTS?

Our logo represents :

- A rocket that represents the idea of the cansat itself
- A bacteria who represents our secondary mission, witch consists in collecting bacterias.

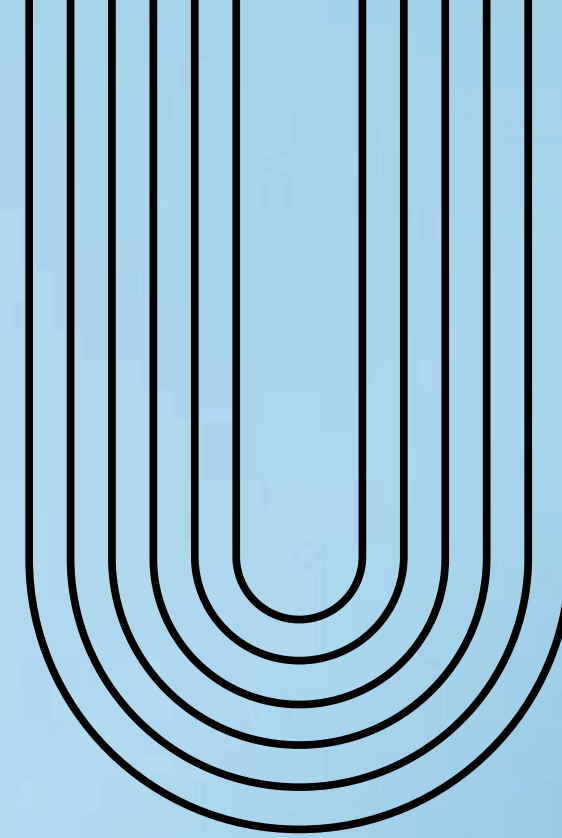
OUR INSTAGRAM PAGE:

We created an instagram page on witch we will share all of our progress and workshops. We followed everyone we know from school and outside. We are planning on posting on regular bases what we do during our workshops and meetings.



Our internet website :

we created a website that everyone can easily go visit. We present our project and progress on it.



1

Better presentation of the team



2

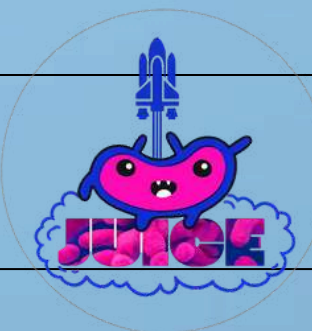
What is the CanSat project, and what is our JUICE project.



3

Blog about the different workshops we did and our important progresses and the methods used.

The link to our website : <https://cansatjuice.wixsite.com/cansat>



Agenda

| | |
|--------------------|--|
| Sundays | Little meetings online |
| wednes days | real life workshop, for better and big progress |
| no datum | go to the water tower of Beersel to test our parachute and the functioning. |
| 09/01 | Support Session |
| 11/01 | meeting |
| 14/01 | Workshop |
| 18/01 | Meeting |
| 21/01 | Workshop |



Our questions and thoughts

| | |
|---|--|
| 1 | Keep the foam sterilised will be a challenge. |
| 2 | The whole shape of the can is to review according to our needs. |
| 3 | The propeller and its location inside the can is also to review. |
| 4 | Can we use some elastics? |
| 5 | We have to improve our calendar to make it clearer and easier to read. |
| 6 | Do we buy an antenna or do we make it ourselves? |



THANK YOU FOR WATCHING AND LISTENING



Presented by Louna de Locht and Natnan Bastin
Made and desinged by Alexandre Itschert and Cassiel Urbanska Richel

All wallpapers are ai generated.

