

# LEARNING DIARY OF THE GROUP 4 PROJECT

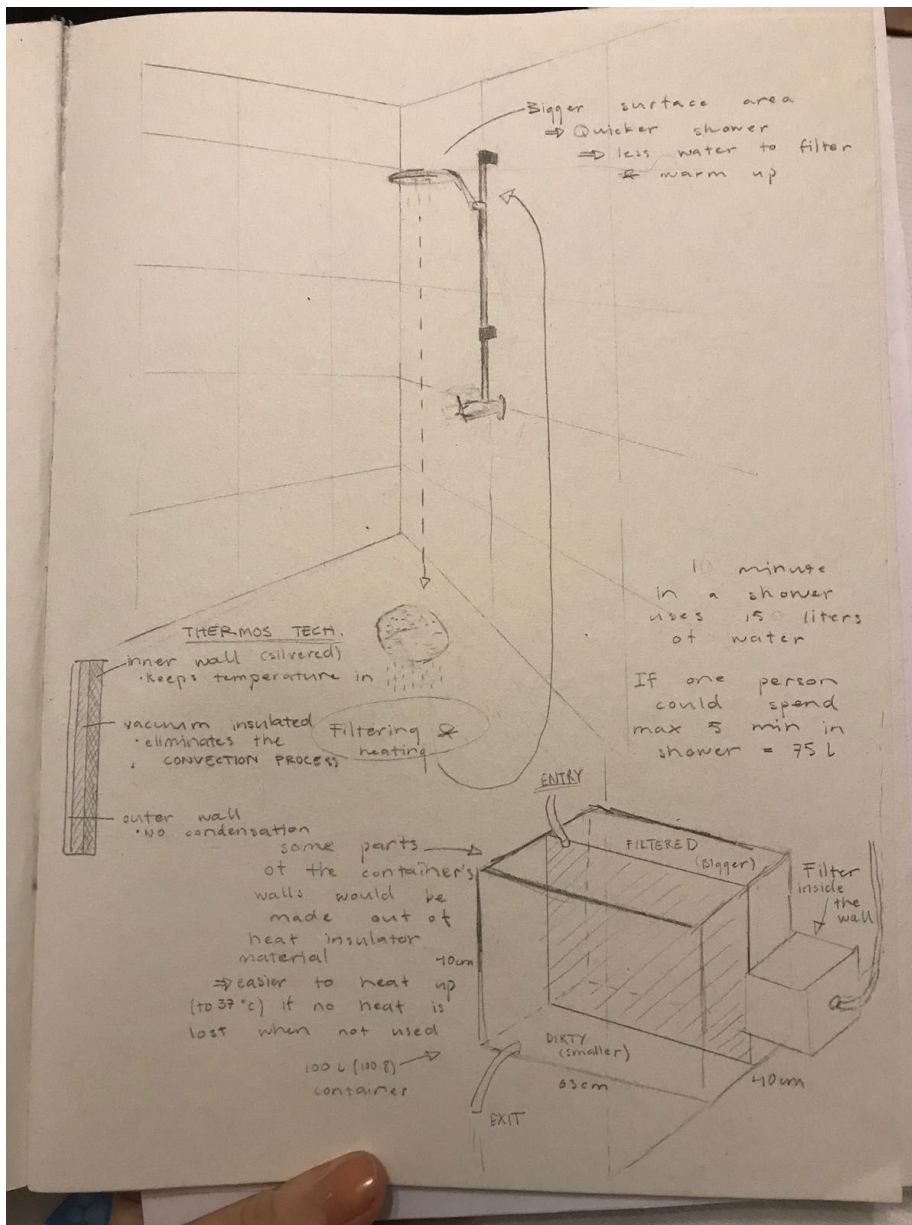
18.12.2018

This was the day when our group started to plan our group 4 projects. We divided into teams and agreed on our theme as green future. We had no concrete ideas yet but there was some talk about combining household items or reusing water. We created a whatsapp group for further discussion. Jere was given responsibility of the chair and also the learning diary.

11.1.2019

We have negotiated and discussed the project in the whatsapp group ever since our last meeting. We arrived at the conclusion that the reuse of water would be the most interesting and beneficial for the competition and for us. Our model would be a shower that reuses the heated water by filtering and cleaning it. This way less water will go to waste and this is key since clean water is becoming more scarce everyday.

Reeta designed a model of the shower and it turned out great.



14.1.2019

After some more discussion on how to implement our idea on reusing water through a redesigned shower we decided to change the format of our project. Instead of building an actual model which would prove not only overly difficult but highly strenuous we would make a song about our model and a music video to go along with it. We started to think about the genre and the nature of our song right away. Now we just need to come up with lyrics and the background music.

20.1.2019

We decided to go with a parody of a rap song as our genre. We found a nice beat to use in our song and started working on the lyrics. The lyrics were surprisingly easy to come up with and fun too. We need to know figure out the tempo and actually record our singing.

After some time we finished the lyrics and they turned out great.

29.1.2019

We stayed after school to figure out the tempo of the song. We also divided the lines between each other and started practicing the song. After some practice we recorded the song verse by verse. It took us some time but it was surprisingly fun. We felt like it was one of the most creative things we had done in a while. Aarni started to sync the lyrics with the beat and edit the music. Now we just need to plan and record the music video for our song. We already started to throw around ideas like filming in different locations etc. We are supposed to film the video in 4.2.2019.

4.2.2019

We filmed the video at Karla's apartment. We used a variety of different shots and angles in order to make the video as entertaining and interesting to the eye as possible. We had a lot of fun while filming even though it was just before our math exam. We also learnt to use different lighting in order to create dynamic shots.

5.2.2019

We made a script for our editor Aarni, who could then take advantage of it in order to use certain footage at certain lines. He started editing and the video is turning out great. We can't wait for the end result. We feel like this project has been really entertaining but also informative to do.

The song:

## **SHOWER POWER**

[INTRO] (JERE)

I don't wanna be mean

But you are the worst shower I've ever seen

You stupid machine

You are not even clean  
That's legit disgusting  
Holy heck are you rusting?  
(KARLA) hey what are you doing in my shower??  
[ Jere talking to the shower, the owner shows up]

Do you actually use a regular shower?  
You must lack in brain power  
You lose so much water per hour

Instead use our shower  
And you'll feel its power

(KARLA) okayokay but what is this shower?  
(JERE) ahahaaa holdup let us tell you ayyyyy (echo)

(MILA)  
Hundreds of liters of water used everyday  
Even just one minute takes 15 liters away. (That's whackkkk AARNI)  
Some people really sit in showers for literally hours (karla reading the bio guide)  
And while they're doing that it damages this planet of ours.

(JERE)  
Sixty percent of the water is usually heated  
So lets not make this draining process completely repeated  
Instead lets reuse that warm water  
So there will be some left for your daughter

(MILA) Yooooo hear me spit  
It don't require a lot of wit  
To realize we have to filter it  
We all just have to commit

(AARNI)  
Forty percent of the water usage goes to hygiene  
Trust me you don't need more than 5 minutes to get clean  
Showering should be short, Like your parents' divorce court (ouch)  
And when you don't need it  
Don't be afraid to turn it off (shower turned off)

(REETA)  
Lets use some of that thermos tech  
To keep the heating in check  
If we don't, we could lose our neck  
And for that you would have to be stupid as heck (stupid as heck stupid as heck)

(EVERYONE - KARLA)  
Physics don't have to be your field, To know that the water has to be airsealed  
Let us not yield, Until this planet is healed [ low shot Mila, Karla, Reeta Jere]

Physics don't have to be your field, To know that the water has to be airsealed  
Let us not yield, Until this planet is healed (nice)

(REETA)

The outerwall helps to stop the condensation process  
Yeah it's so strong it can do 100 in bench press  
The inner wall should be silvered, Like this chain around my neck  
The layer in between is vacuum insulated.  
It's called thermos techhhh.... (whisper)

(JERE)

Don't listen to their lies, with our shower you can use water three times  
(PAUSE) And keep on using your en-zymes

(AARNI)

We'll use some chemicals to keep the water clean  
But not something quite like – ugh -- butene  
So that our future can be truly green [huonekasvi klippi suihkussa]  
And there will be enough water even for a teen  
The filtered water would run right back up  
For you to use again for your own cleanup

KARLA: Hey hey this actually makes sense [Karla says to Jere and looks at the camera]

(EVERYONE )

Physics don't have to be your field, to know that the water has to be airsealed  
Then it needs to filter through, For you to rinse off your shampoo  
Physics don't have to be your field, to know that the water has to be airsealed  
Then it needs to filter through, For you to rinse off your shampoo

(REETA)

If you shower in five instead of average ten  
You'd save half of earth and half of your money again  
This means using 75 instead of 150 every time  
The container would reduce the amount used all the time  
By reusing the water three times in a row  
The electricity won't change but you'll have less water flow  
You must pay when it comes, for the heating and when it goes down  
But at what cost?

Speech: Grass turning brown. (AARNI)

Losing our home town. (JERE)

Earth having a frown. (MILA) [Mila shows the picture of a sad face]

KARLA: I believe in your shower now, and I stopped playing around  
So won't you stop.- (whisper)

