

# Confluence

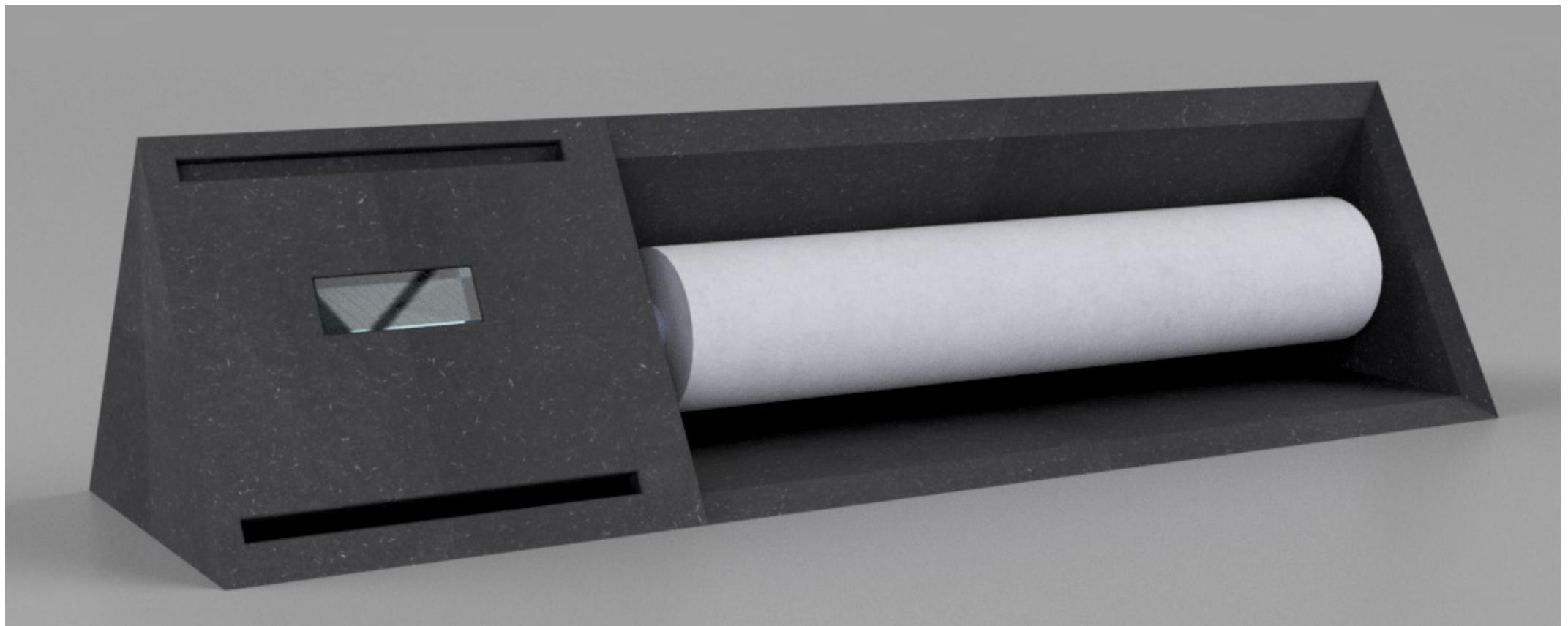
## The connected Canvas

# Project Description

*Confluence* is a collective canvas designed for all audiences.

By picking up a marker with a randomly assigned color, you receive a word generated by an IA. With these constraints, you draw on a roll that can be rewound or unfurled at will. Prior to user input, graphical instructions are printed on the roll by an AI. Participants have the freedom to intervene wherever they choose.

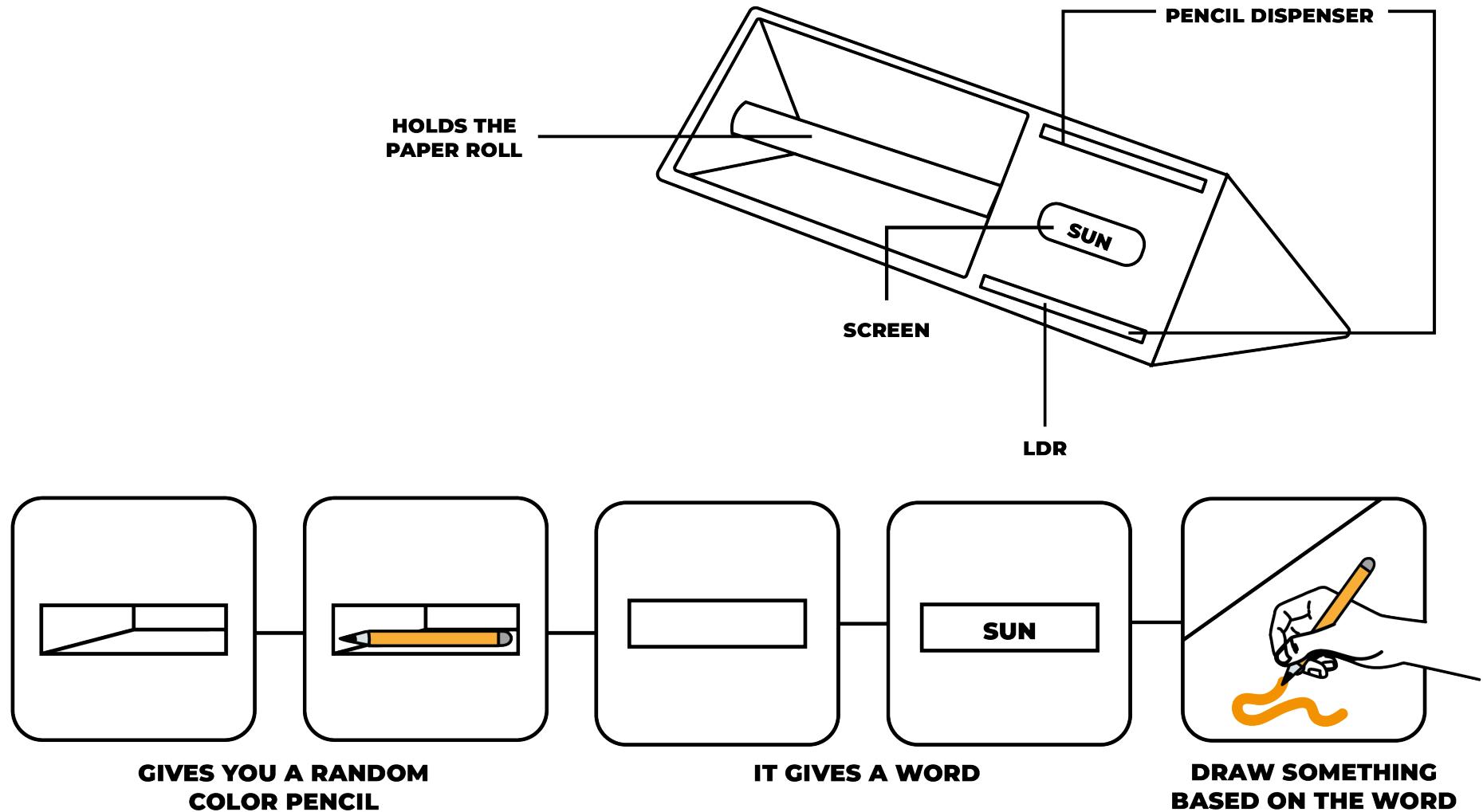
The project aims to counteract the blank page syndrome, encouraging people to occupy space.





# User Journey

Initiate the setup by taking a marker; this triggers an LDR (Light-Dependent Resistor) that sets a randomly generated word selected by the AI. Unroll the paper roll to decide the surface on which you want to intervene and start drawing something inspired by the word. The experience ends when you have finished drawing

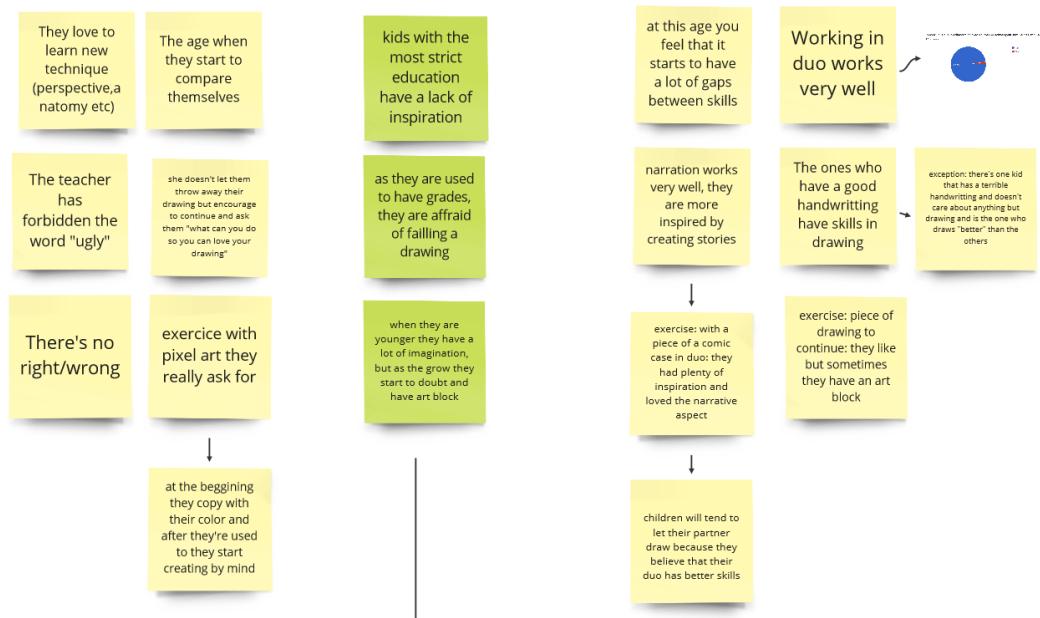


# Field observations

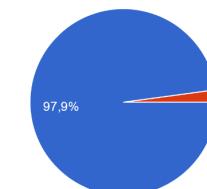
The research is based on the blank page syndrome. I conducted a questionnaire, asking artists and designers how they stimulate their creativity when it wanes, given that their professions require continually finding methods to remain productive.

I also interviewed elementary school teachers to understand at what age they feel students start to «lose» their imagination, what causes this phenomenon, and what activities they undertake to help them overcome this situation.

It emerged that storytelling and collaborative projects contribute to maintaining productivity

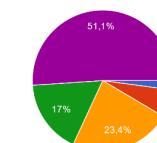


Pensez-vous que la collaboration avec d'autres personnes peut stimuler des impulsions créatives ?  
47 réponses

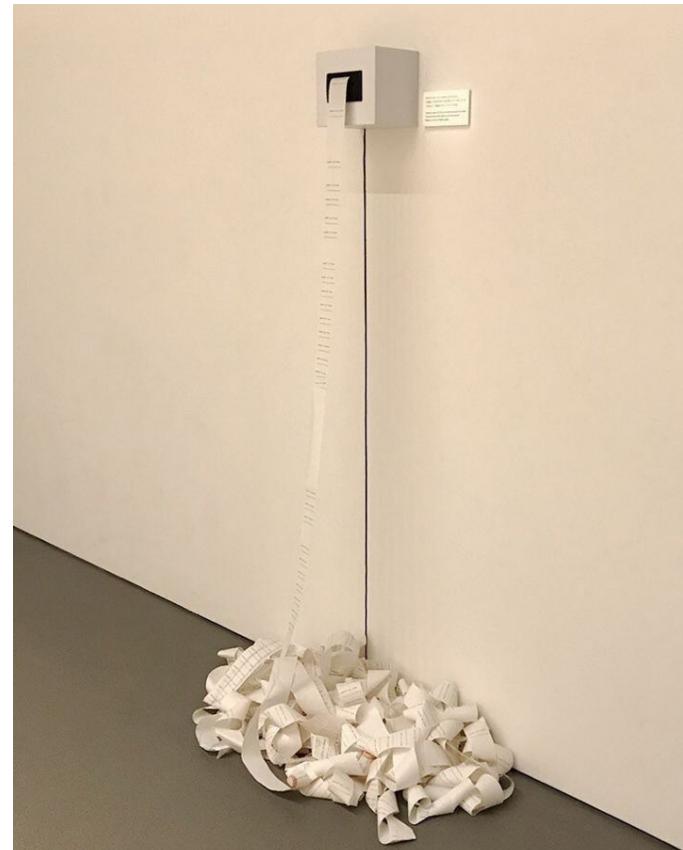


Oui  
Non

Éprouvez-vous des périodes prolongées de manque d'inspiration créative ? Si c'est le cas, combien de temps ces périodes durent-elles en général ?  
47 réponses



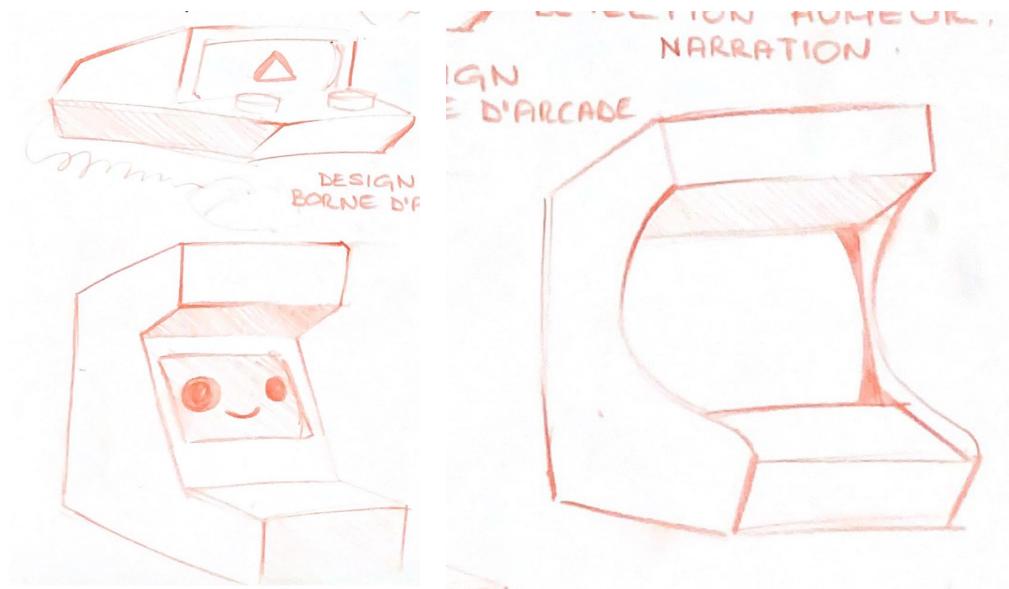
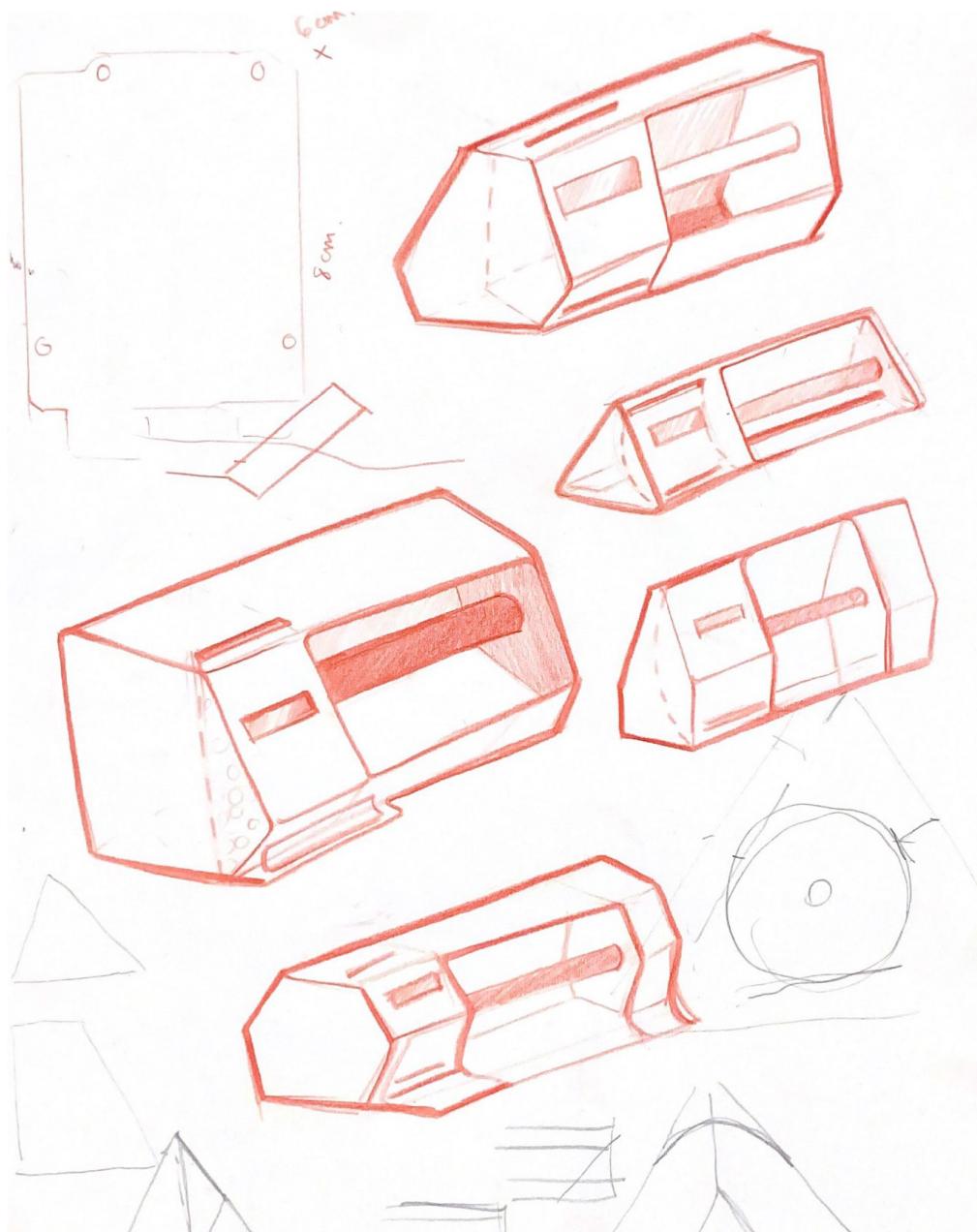
# Visual and Material Moodboard



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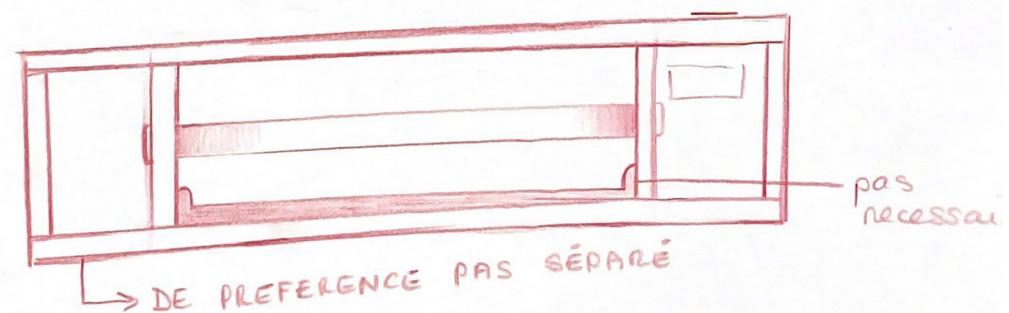


# Shape research

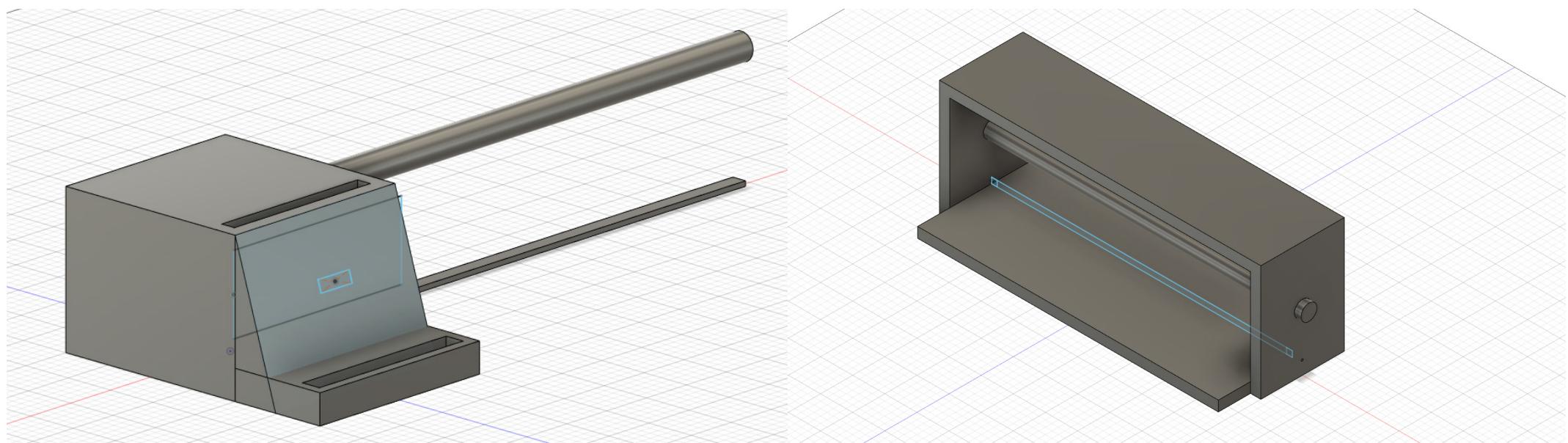
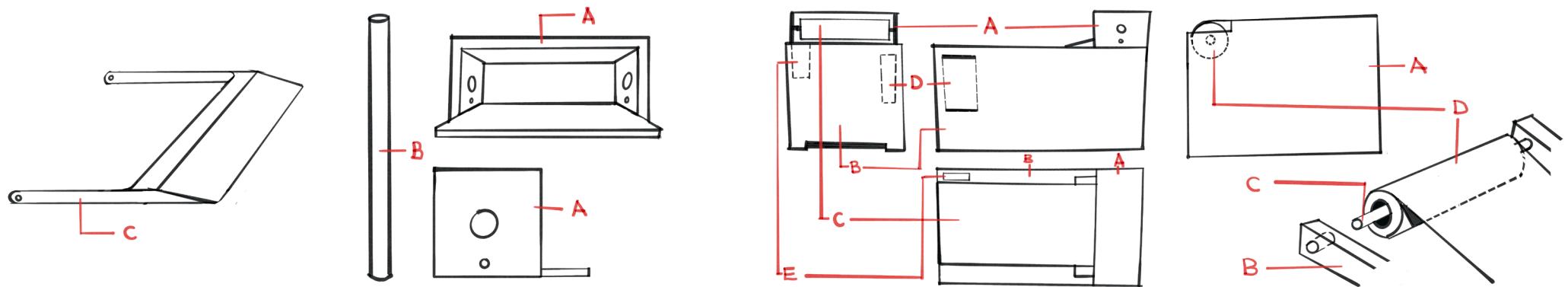


Condensation de la table et tout les éléments dans le dérouleur de papier.

-Potentiométrie → remplacer par un câble 5V.  
MDF 16 mm laqué noir.

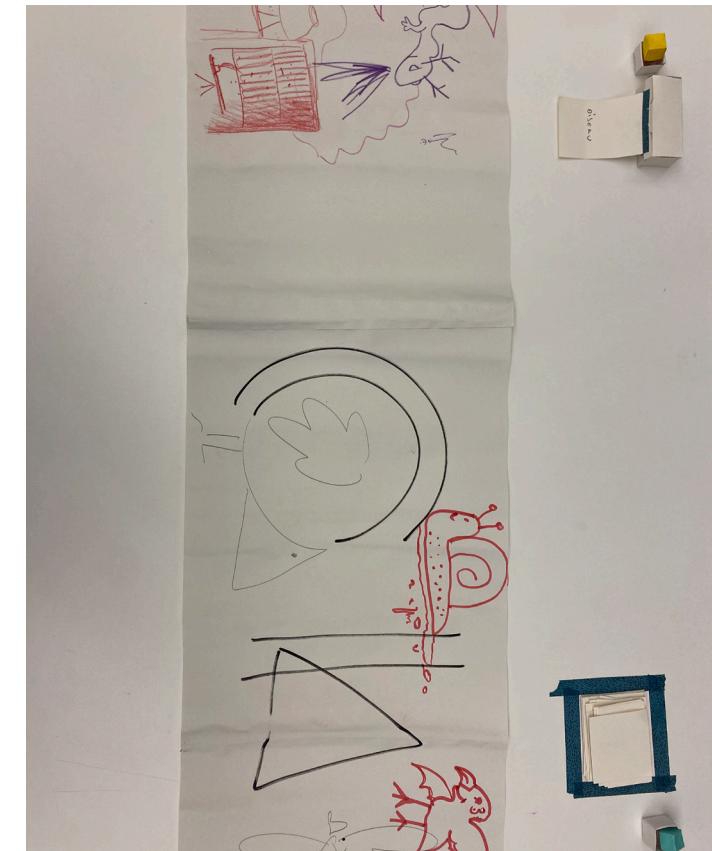


# Shape research



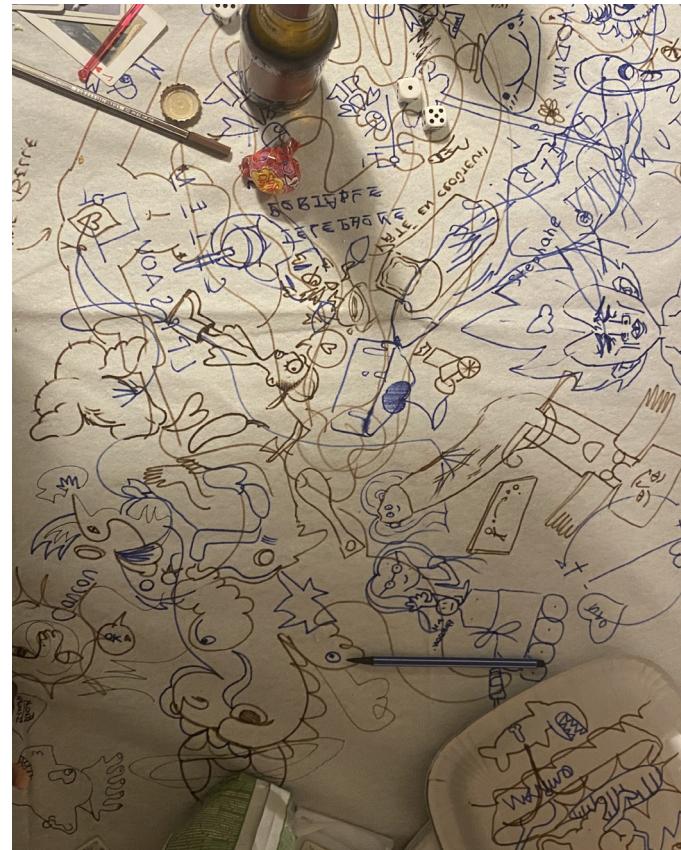
# Paper Prototypes

- Giant die to roll, generating a prompt based on different constraint.
- Arcade console that, through buttons, issues constraints based on various themes; an envelope is then distributed. Drawing takes place on a screen.
- Roll of paper on which one draws progressively. A button is activated to receive a theme narrated by an AI, and one draws according to what it recounts.



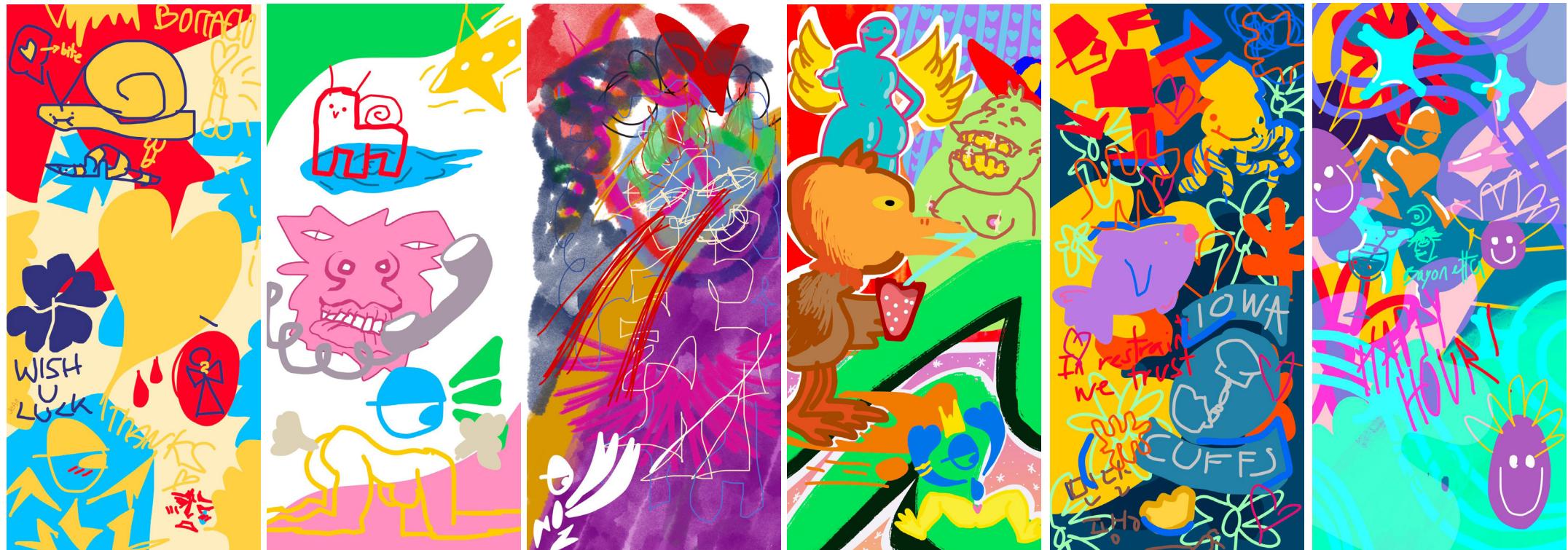
# User Tests

Experimentation with multiple prototypes and proposals across various mediums. Collective drawing in different contexts with diverse constraints.

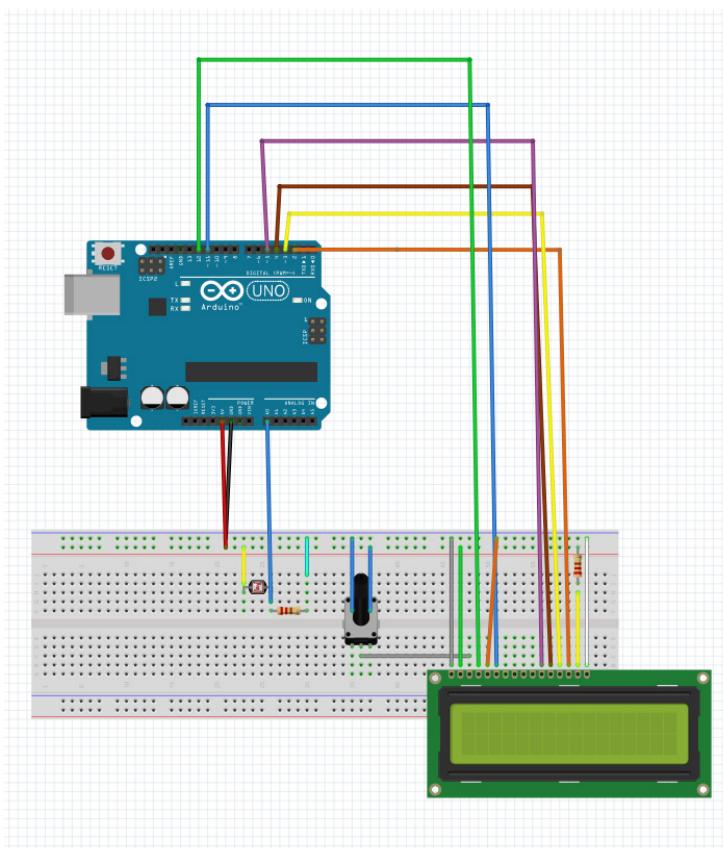
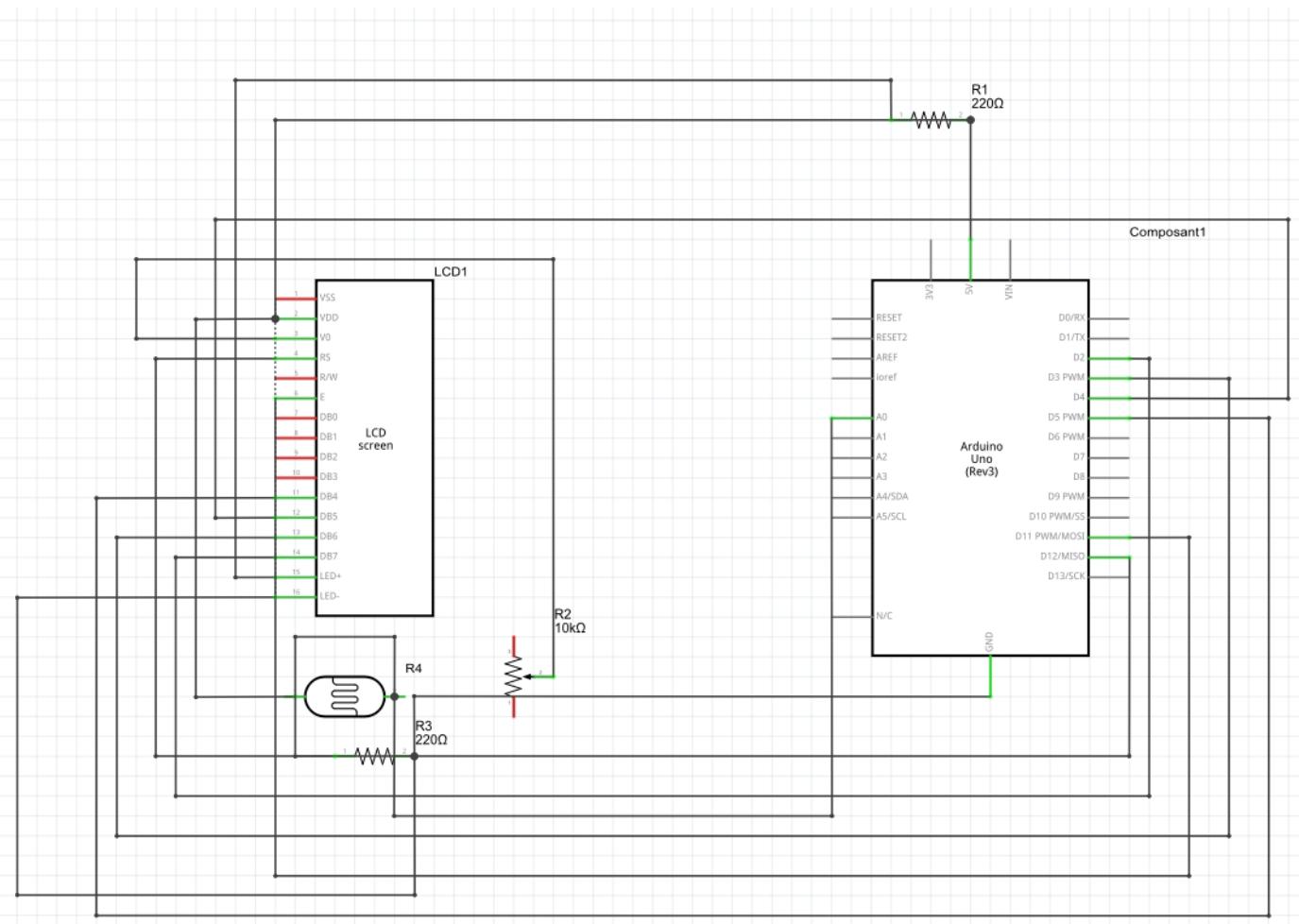


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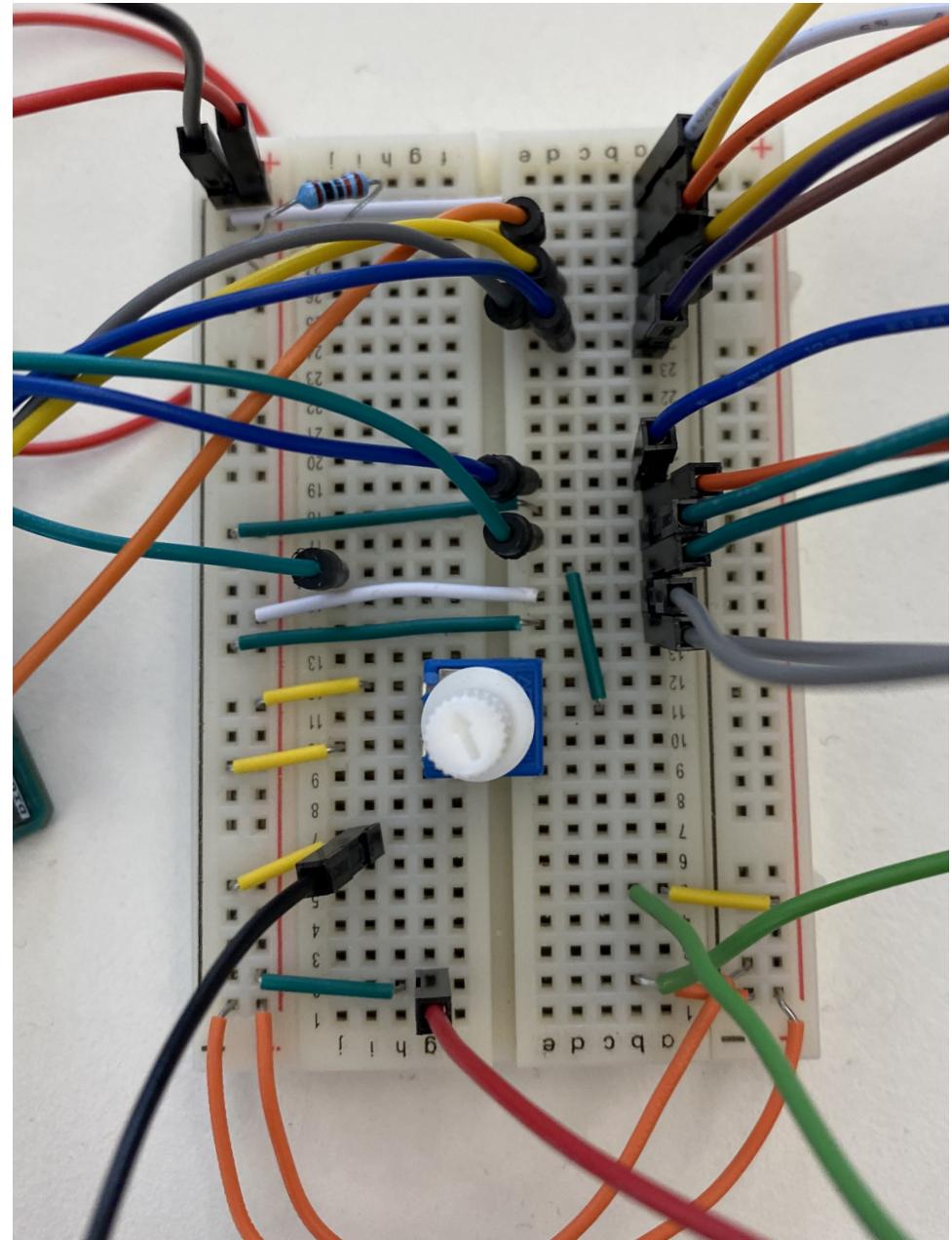
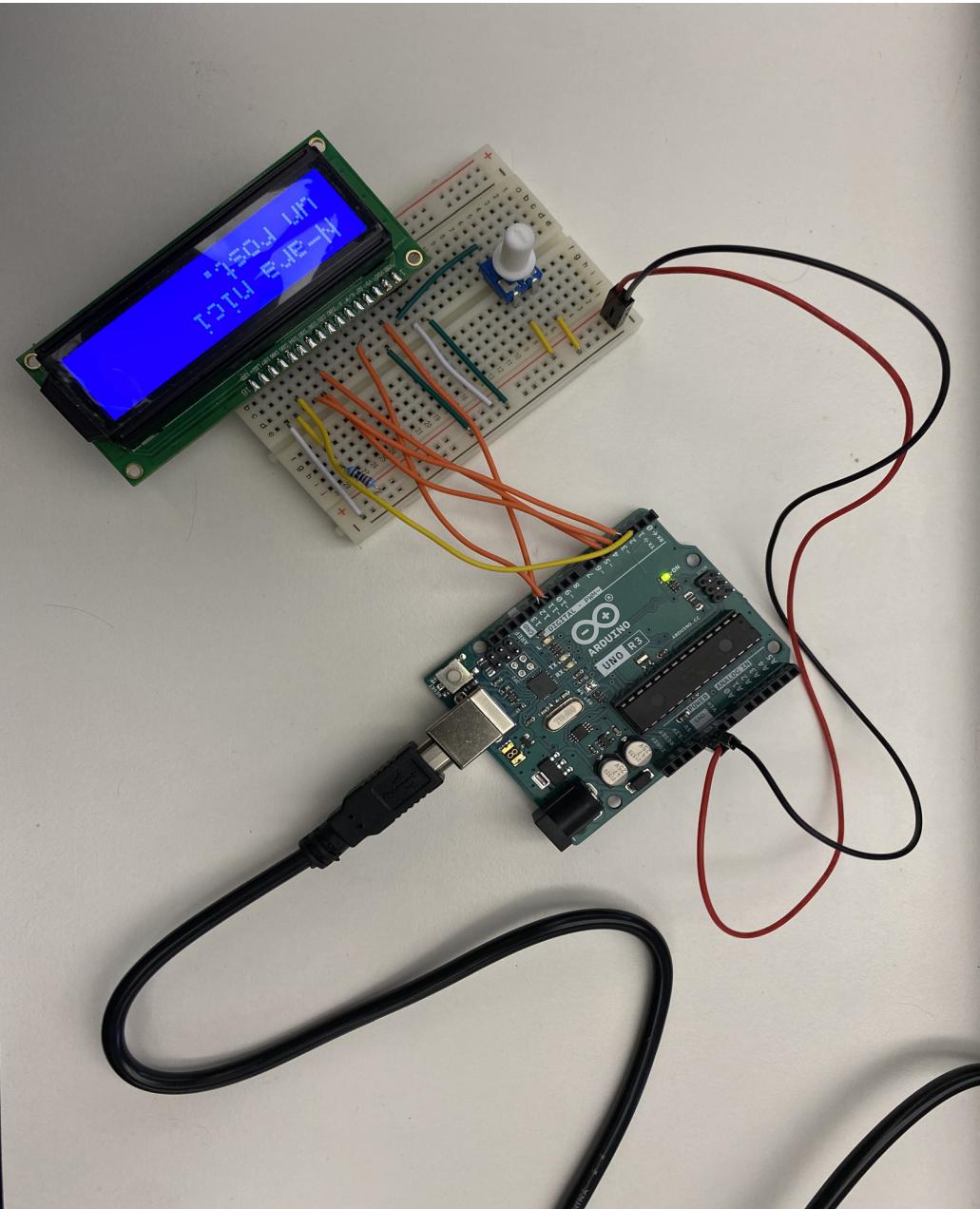
The concept of *Happy Hour Drawing Time* with friends.



# Electronics



# Electronics



# Plan Drawings

Materials: Black Wood MDF 10mm

Scale: 1:6 in mm

