

design.  
iteration  
medium  
prototype  
**re:process**  
semipermeable practices in art & science

experiment  
technique.  
inquiry  
wonder

April 28<sup>th</sup> 4-7pm

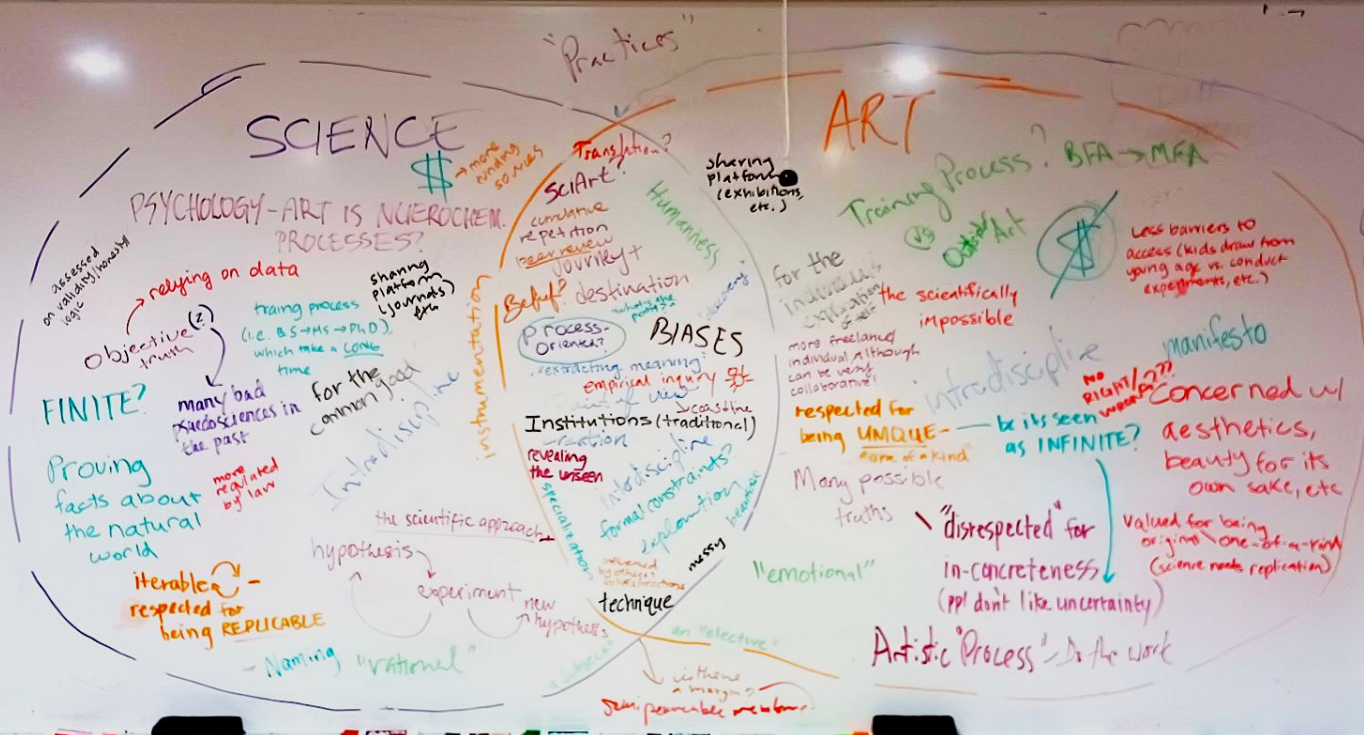
DATE/TIME

The Atrium  
French Family Science Center  
Duke University

LOCATION

Myths about invention/originality

"coastline"  
History



not an intersection but its own discipline?

"What if" space

↓

is it overlapping or interconnected?

creativity

gestural work

description

# Art | Science

not an inter-  
section but its own  
discipline?

What "if"  
space



Is it overlapping  
or interconnected?

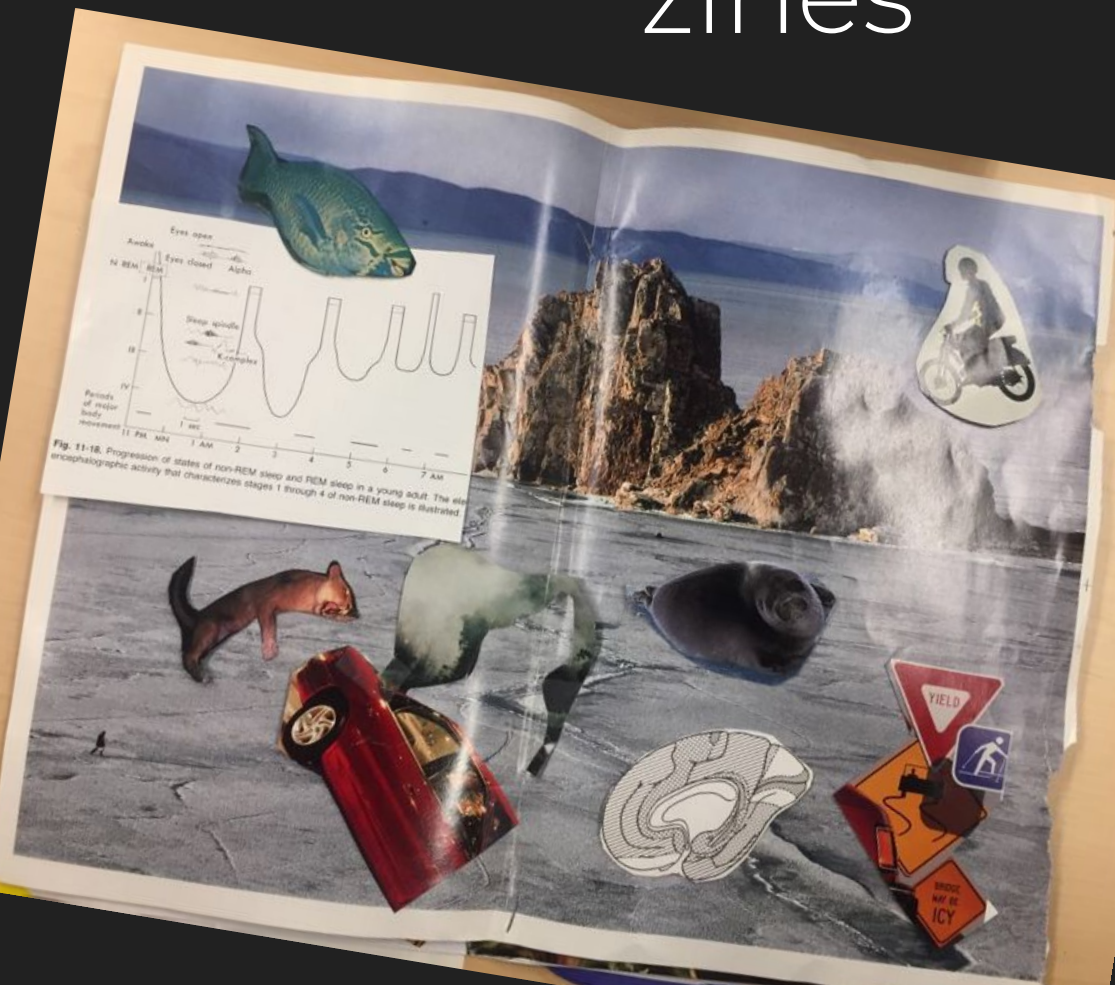
creativity  
gestural  
work  
description

“One way of thinking about hybrid labs...is in the negative: any lab that could give rise to someone saying ‘OK, but that’s not *really* a lab.’”

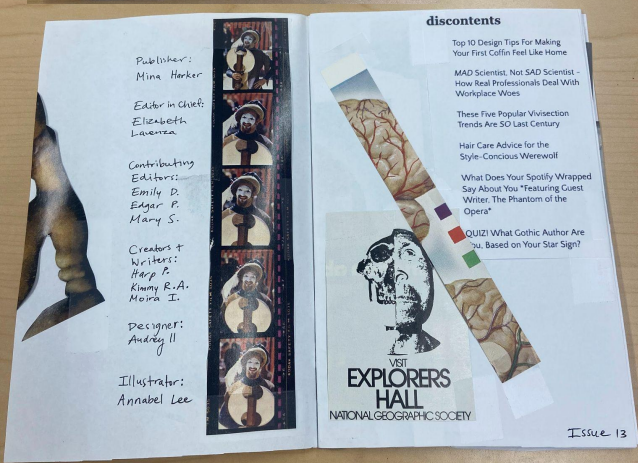
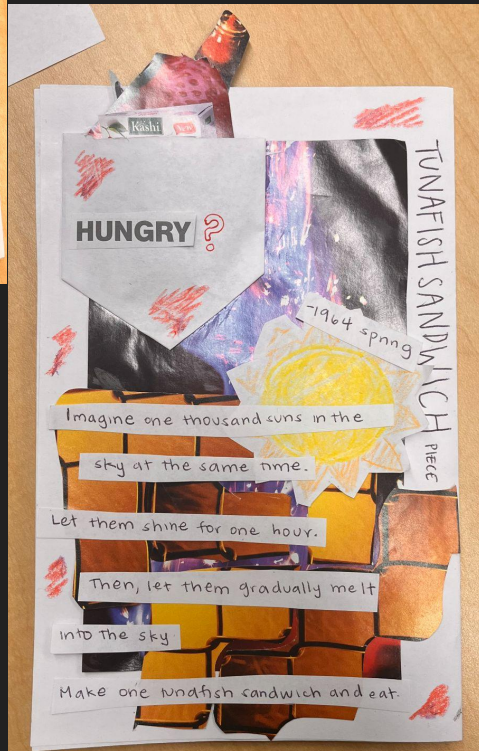
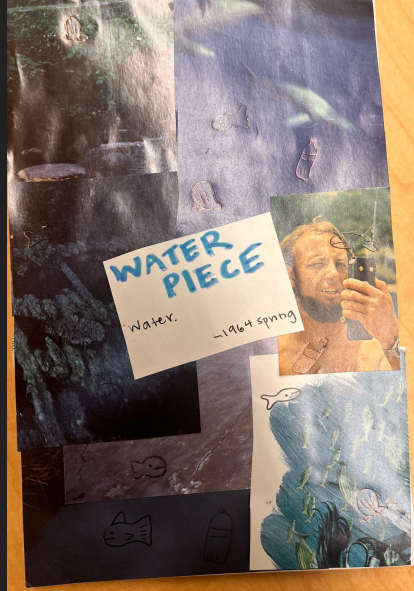
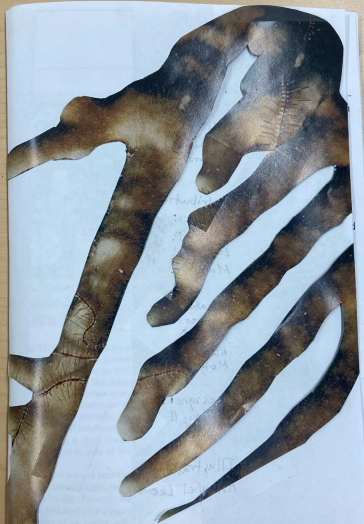
Wershler-Henry, D. S., Emerson, L., & Parikka, J. (2021).  
*The Lab Book: Situated Practices in Media Studies*.

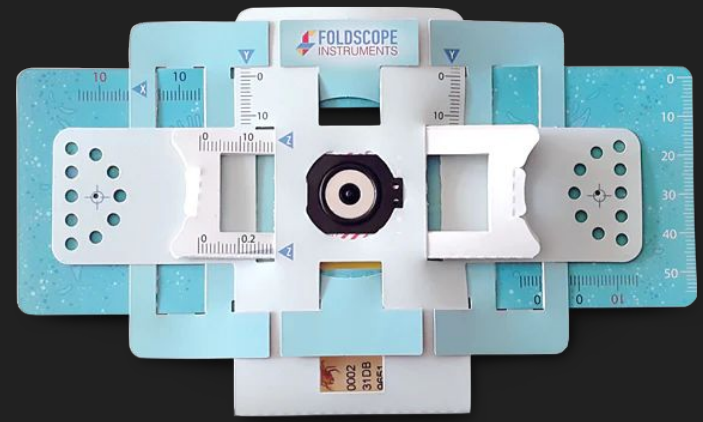
University of Minnesota Press.

'zines



# 'zines





Foldscopes



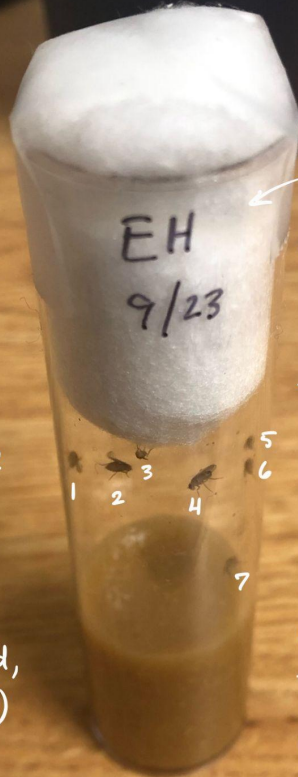
Foldscopes

# Model Organisms

Image Date:  
9/23,  
approx. 10 pm

→ the initial state  
of things

↳ 7 flies  
(2 curly,  
1 white-eyed,  
4 wild-type)



sharpie markings  
still intact  
(they rubbed off soon  
after)

→ image taken  
soon after the  
tube was picked  
up and put down

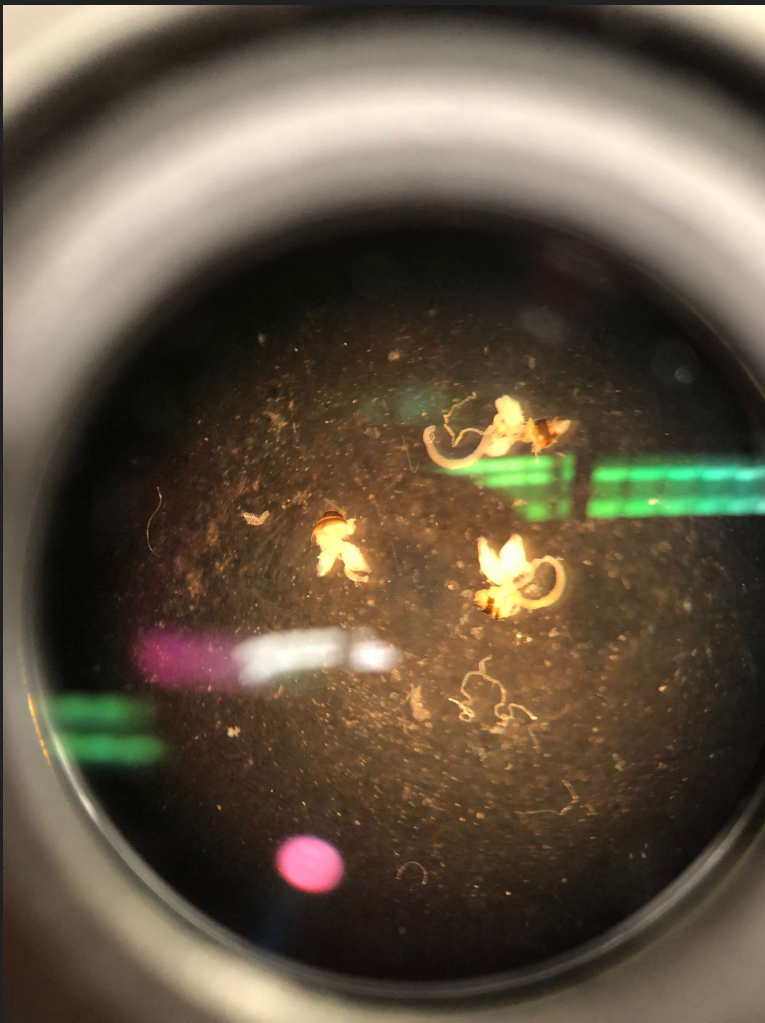
↳ this agitated  
them, they would  
react by crawling up  
towards the cotton

↳ when the tube was  
undisturbed for long  
periods, they tended  
to sit/walk around on  
the food

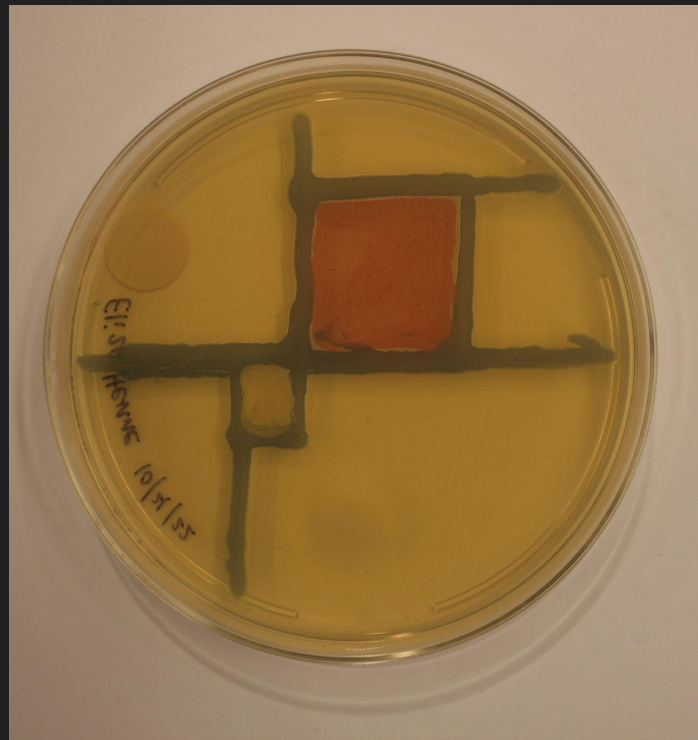




# Fly Dissection

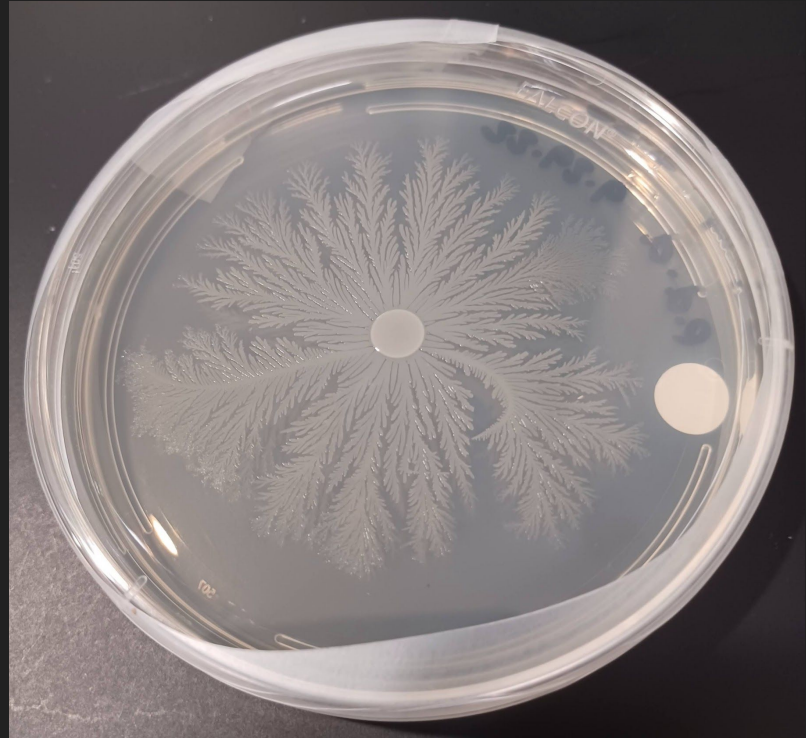


# Agar Art





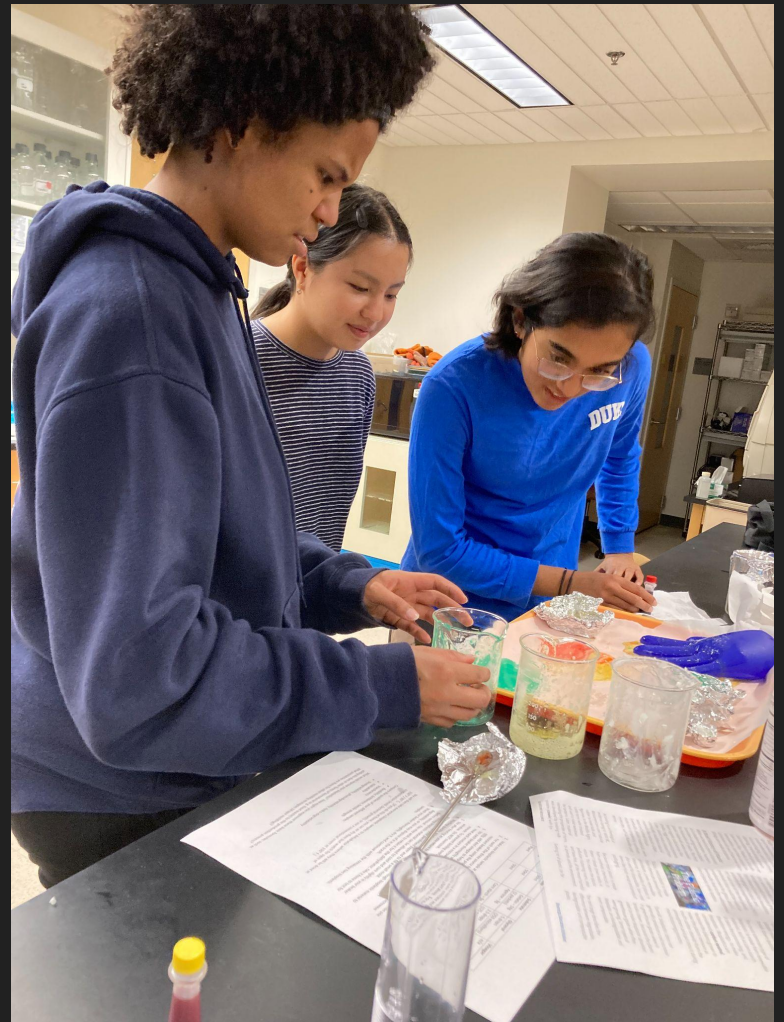
# Agar Art



# Slime Mold



# Bio-Materials



# Bio-Materials

Bio-plastics! November 4, 2022

TITLE: BOOK / PROJECT NO.: CONTINUED FROM PAGE 3

yellow glycerine  
gelatin cups!  
green agarose  
cornstarch  
red glycerine  
yellow glycerine

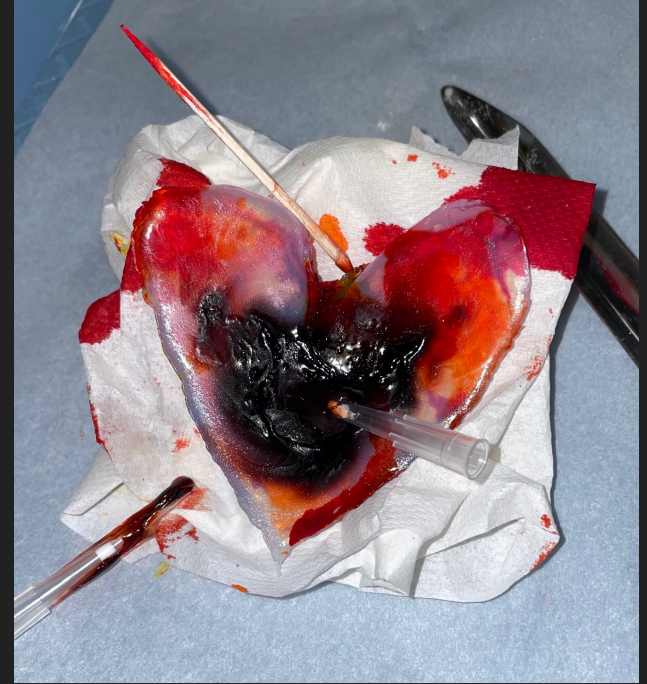
reflection...  
The agarose was my favorite texture. It seemed the most sturdy and quickest prepared. The cornstarch was clumpy and dense, more opaque, gave a vibe of staccato. I bet it was good shock absorption.

50 ml water  
substrate  
glycerol (OR PLASTICIZER!)  
microwave → mold!

Melinda Wick 10. 4. 22

WITNESS SIGNATURE / DATE

CONTINUED ON PAGE



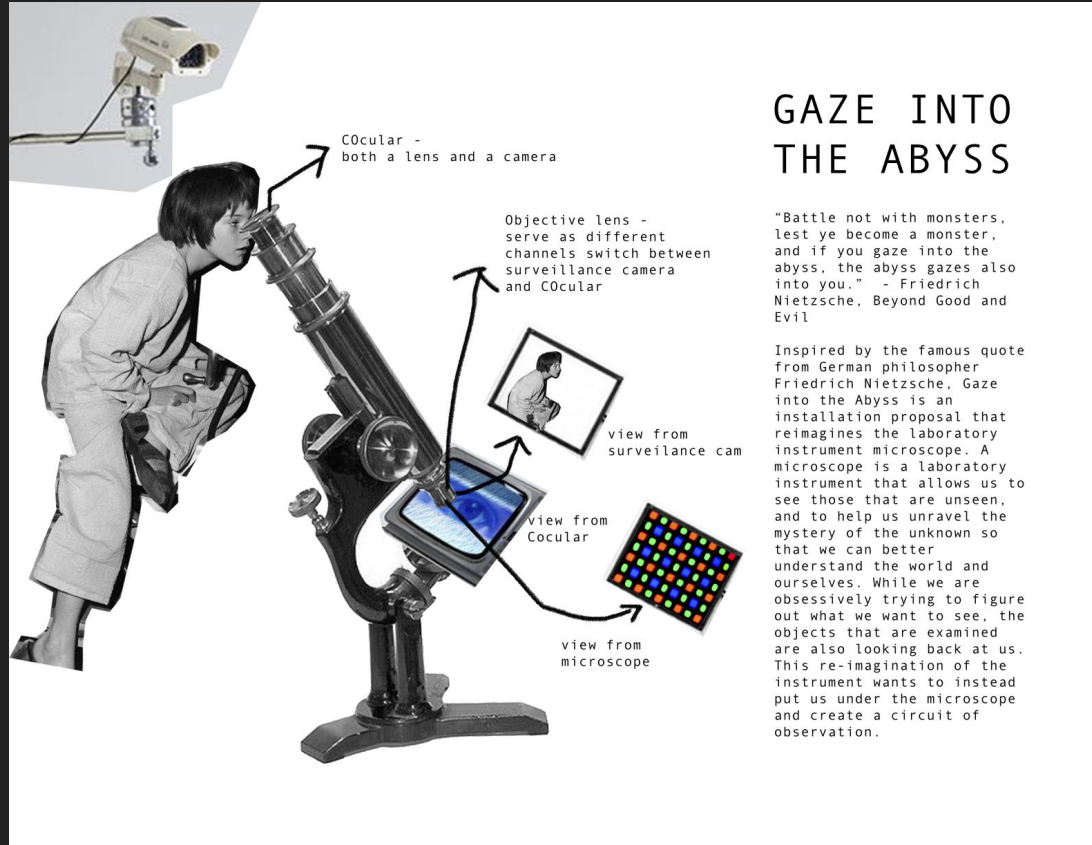
Bio-Materials



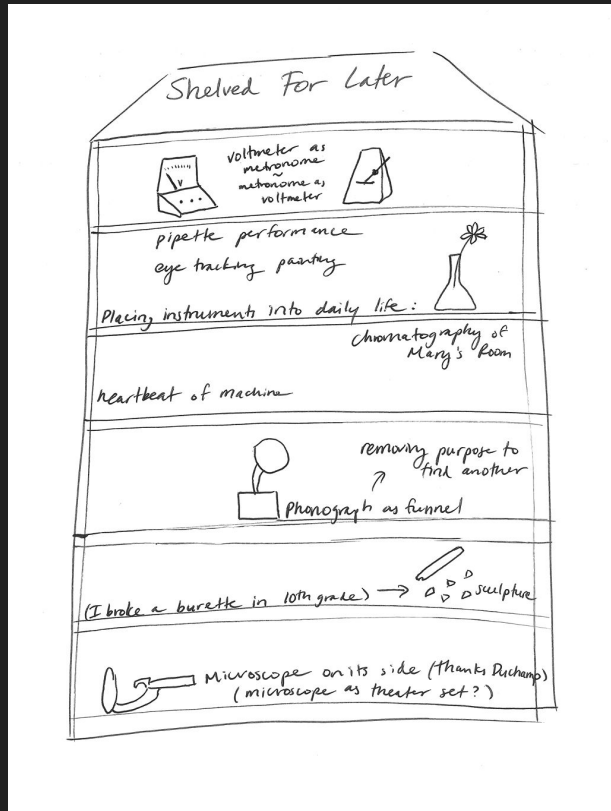


Bio-Materials

# Speculative Instruments



# Speculative Instruments



### Instrumental design

Gel electrophoresis results translated into notes

Lightbulb bringing out top notes

Bar 55 Bar 56

Gel electrophoresis reader

Processor of notes that also plays them

Generated notes

Processing ...

Plug in your headphones

### Brief description

A new invention that would read gel electrophoresis results as notes and play them. The reader of gel electrophoresis would use the same technology as a face reader on iPhones. It would have a ladder size incorporated within it that it could compare the results to, identifying the sized of DNA samples. The sizes in the ladder each correspond to particular notes. The lighter the sample the lower are the notes.