PROCESS BOOK

2023

NAME	Jinlin Wang
COURSE	GDVX 734 | Typographic Voice & Visual Narrative
PROFESSOR	Sohee Kwon

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01 PERSONA PRESENTATION

Mark Rober

YouTuber | Engineer | Inventor

AGE

41

NATIONALITY

American

EARLY CAREER

- NASA Mechanical Engineer
- Apple Product Design Engineer

EDUCATION

Mechanical Engineering, Master's Degree
University of Southern California
2010 - 2014

Mechanical Engineering, Bachelor's Degree
Brigham Young University
1998 - 2004

BIO

He is known for his YouTube videos on popular science and do-it-yourself gadgets. During his time at NASA, Rober began making viral videos. His videos cover a wide variety of topics, sparking ideas for April Fools' Day pranks and teaching about tricks like beating an escape room and filming primates in zoos non-invasively. He advocates for science, making videos testing the ability for sharks to smell blood in water, fluidized sand and water purification. He really pays attention to chose the topic of his video and only makes 12 videos per year.

01 PERSONA PRESENTATION

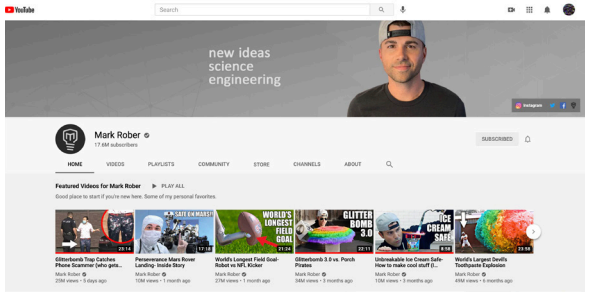
EXPERIENCES

Before YouTube, Rober was an engineer with NASA for 9 years where he spent seven of those years working on the Curiosity rover at NASA's Jet Propulsion Laboratory. He later worked for four years at Apple Inc. as a product designer in their Special Projects Group, where he authored patents involving virtual reality in self-driving cars.

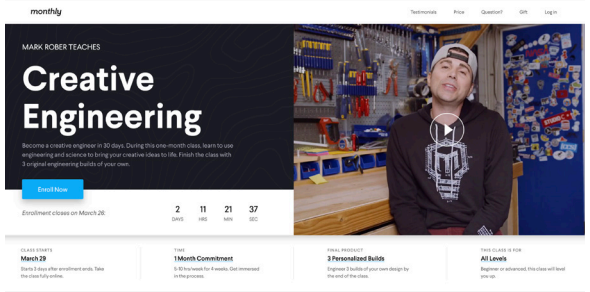
In an interview with WIRED back in 2013, Rober admitted that it was "a little bit scary" when he left his NASA career to create innovative Halloween costumes, but it was "such a cool opportunity" and one of the things in life that he just has to try and see how it unfolds.

NOW

YouTube Channel (2011 - Now) 17.6M Subscribers



Online Engineering Courses



02 RESEARCH

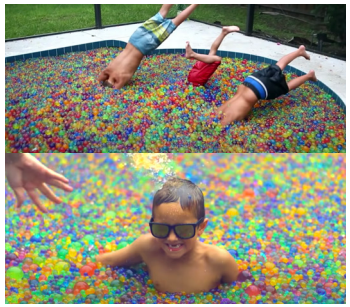
2011

iPad2 Halloween costume

He went to a Halloween party and had tried out his costume idea of using 2 iPads with a FaceTime chat to make it look like he had a huge hole in his stomach.

2016

Water balloon + trampoline <Slow motion>



25 million water gal beads in a pool <sink or flow>

World's largest nerf gun

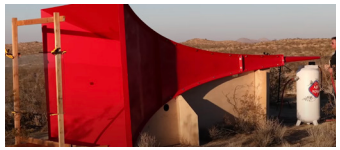
Survive a grenade blast

2017

How to measure how much pee is in the pool

World's largest water gun

Liquid sand hot tub



World's largest horn

Glitter bomb with porch pirates

02 RESEARCH

2019

Swim in jello pool

World's largest elephant tooth-paste experiment

2020

Car vs. world's strongest trampoline

Shark attack test- human blood vs. fish blood

Unbreakable ice cream safe

02 RESEARCH

MOTIVATIONS & PURPOSE

From the interview of ABC News, Mark Rober mentioned that he always interested in science, physics, and math. Most of his video is coming down to physic principals. He also tries to explain to people that “this world is magical, but in a way that if you understand how it works. So you can predict the future and make cooler things.”

He is passionate about getting people stoked about science and engineering. His video will suck people in with something big. For example, world’s largest nerf gun or world’s largest horn. It’s all about telling people the science of what is going on there.

INTERESTING PROJECT

World’s Largest Elephant Toothpaste Experiment

If you mix yeast with hydrogen peroxide, the hydrogen peroxide will rapidly break down into water and oxygen gas. The oxygen gas forms bubbles. These bubbles would usually escape from the liquid and pop quickly. But adding a little dish soap provides additional surface tension, allowing the bubbles to get trapped and creating lots of foam. This foam looks like a giant squeeze of toothpaste—almost big enough for an elephant.

WORKING PROCESS

Come up with an idea

↓

Spend more than 100 hours of experiments to calculate the best raw ingredients

↓

Brainstorm cool effects and share with kids

↓

Preparation

↓

Execution

02 RESEARCH

HOW TO CREATE ELEPHANT TOOTHPASTE

01

Hydrogen Peroxide 3% (6%)

Potassium Iodide

Chemical Reaction Happened Instantly

02

Hydrogen Peroxide 3%(6%)

Potassium Iodide

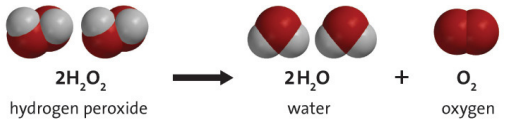
Dish Soap

Bubbles and Foam

03

Food Color & Flask

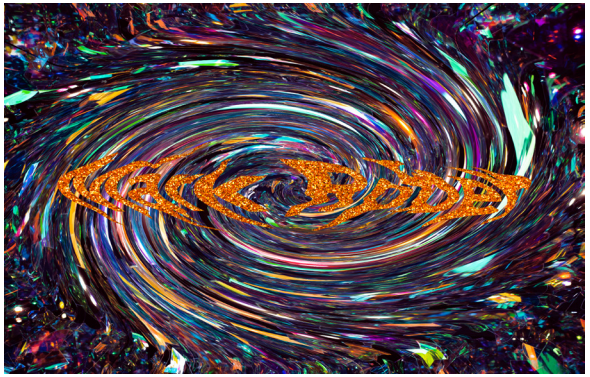
Success

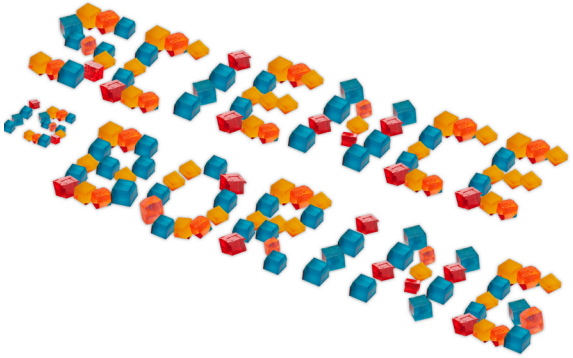


03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - PHASE / WORD LIST

~~Things Get Wild~~
Mark Rober
Science is Boring
~~World's Dryest~~
~~World is No Longer True~~

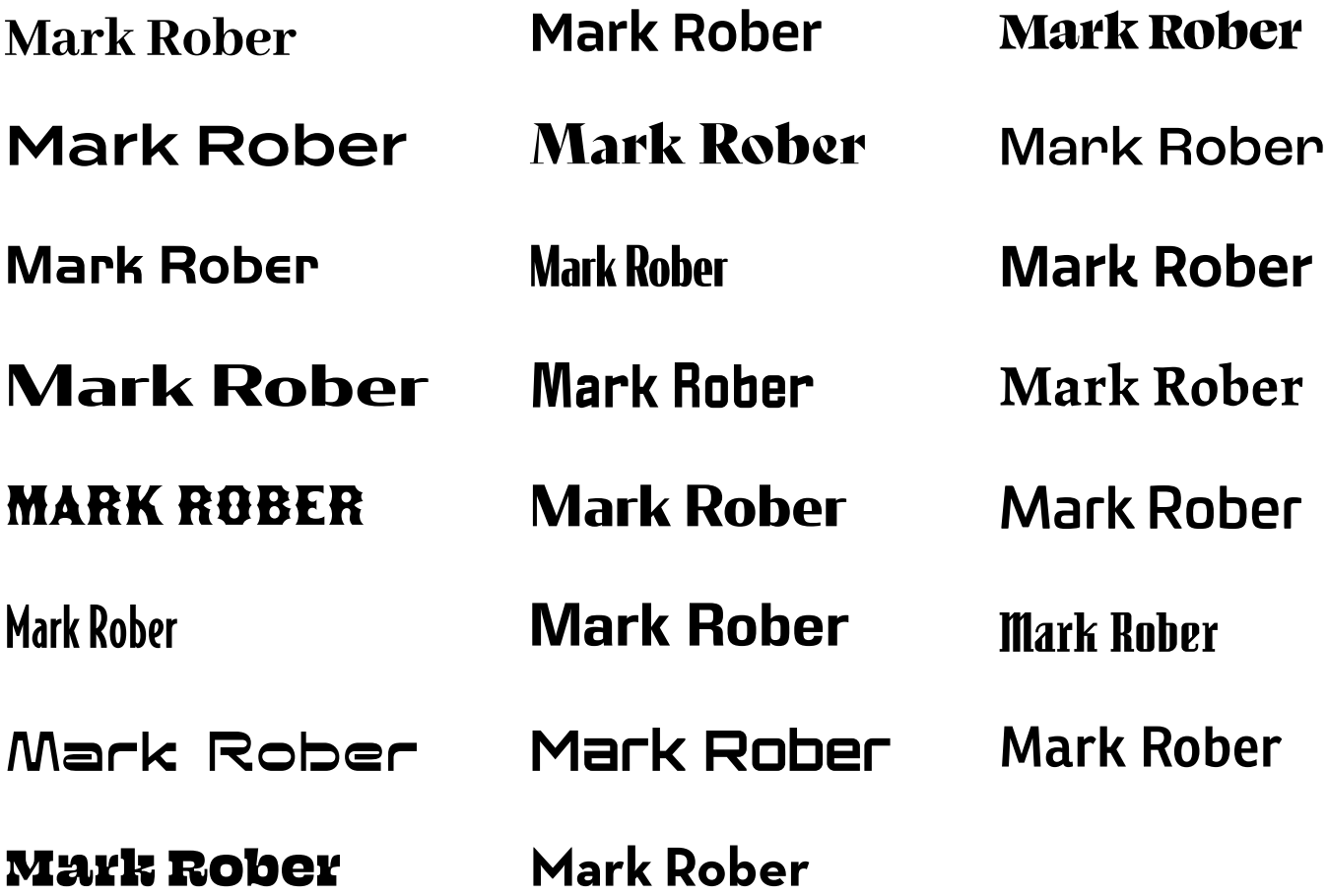




03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

~~Things Get Wild~~
Mark Rober
Science is Boring
~~World's Dryest~~
~~World is No Longer True~~


Mark Rober
Mark Rober
Mark Rober

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

~~Things Get Wild~~
Mark Rober
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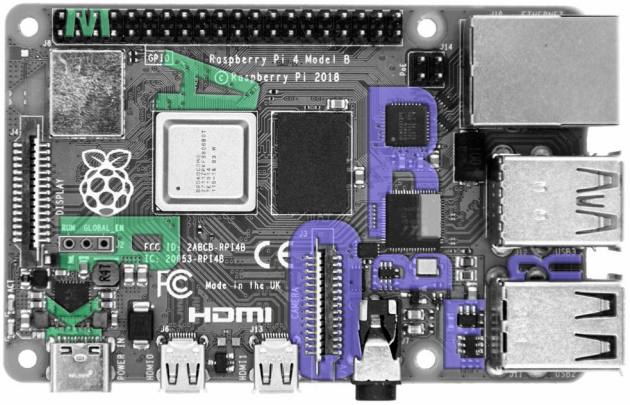

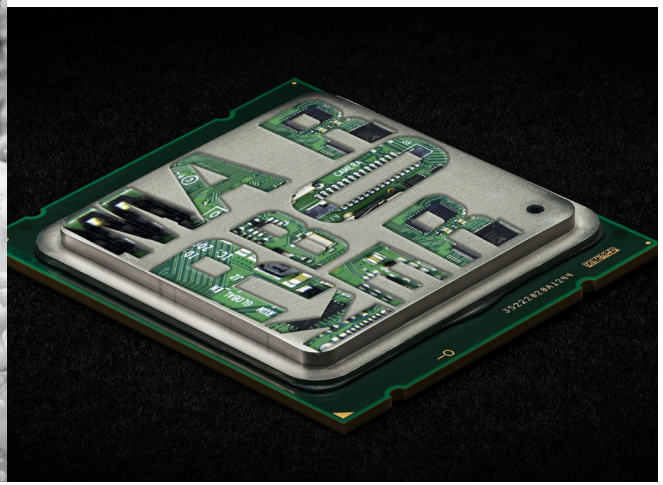

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

~~Things Get Wild~~
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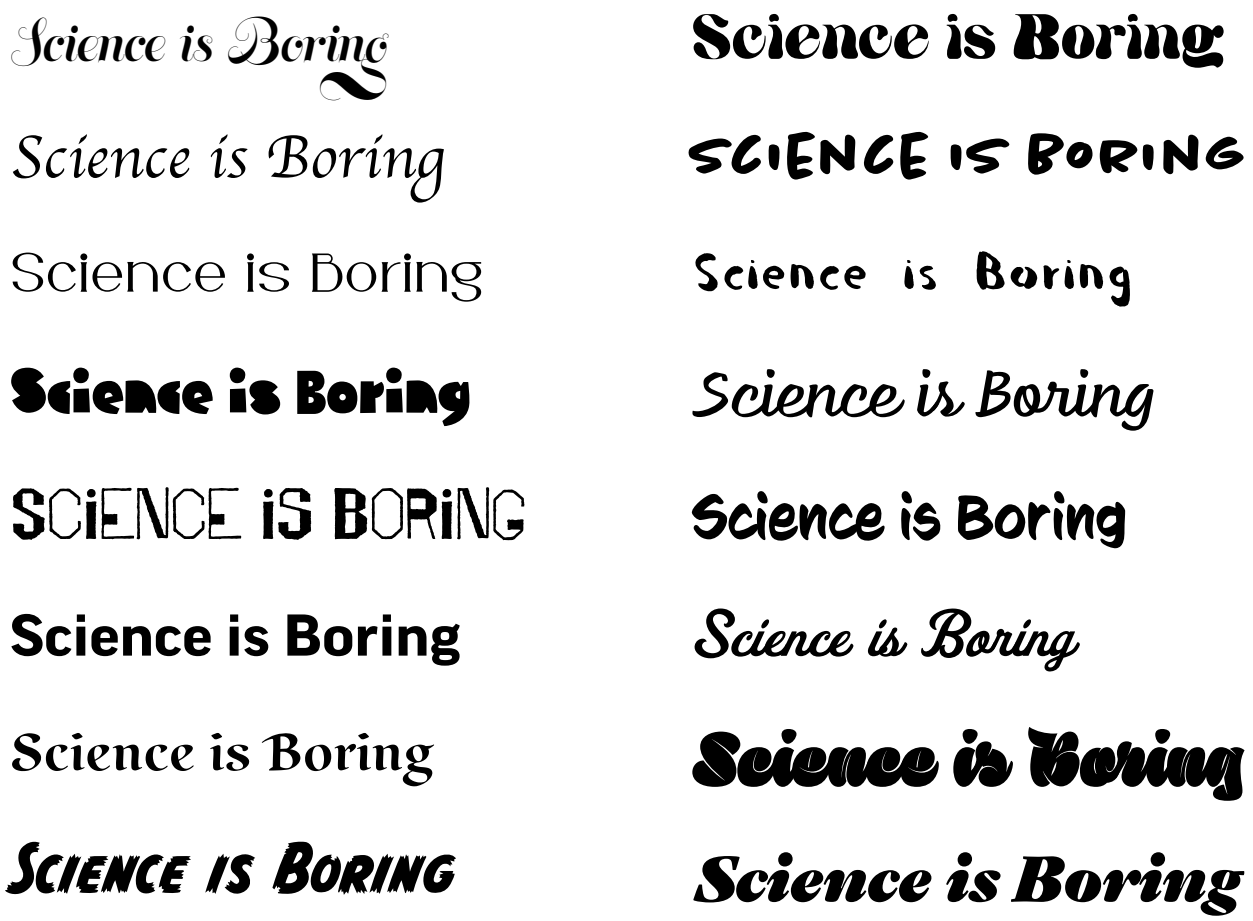
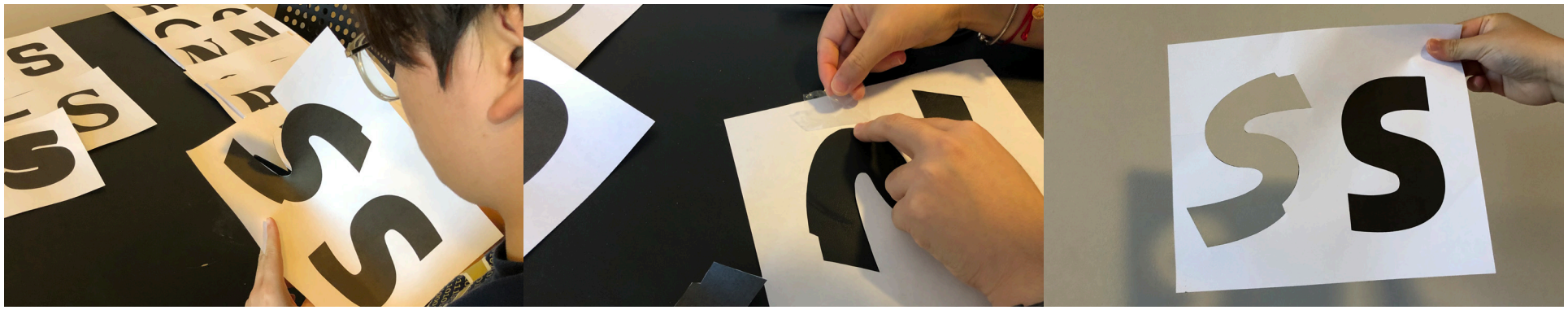


03 IMAGE COLLECTING WITH TYPE

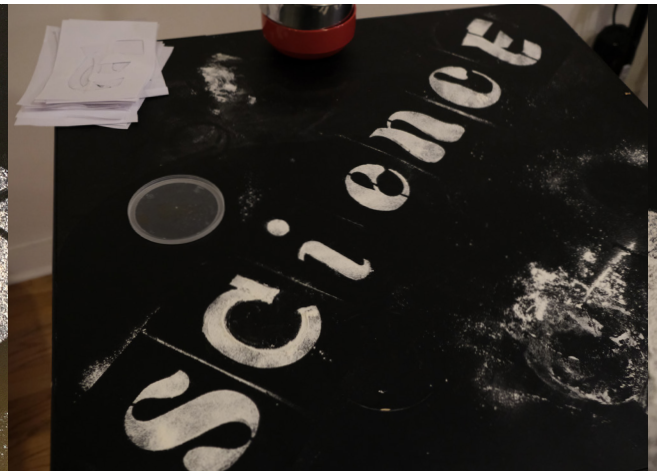
STAGE 1 | PRINT OUT LETTERS

STAGE 2 | CUT OUT SHAPES

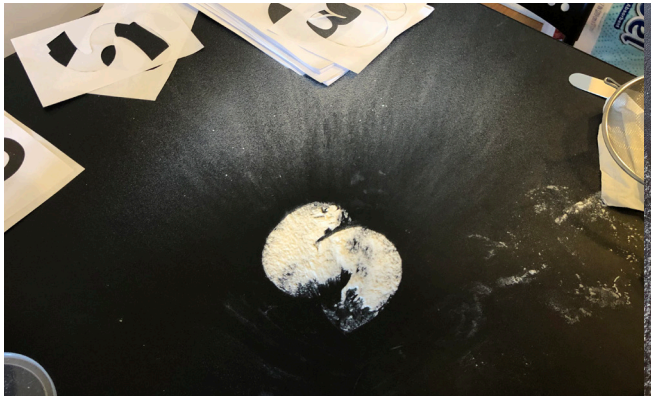


03 IMAGE COLLECTING WITH TYPE

STAGE 3 - RE-PRINT LETTERS BY USING FLOUR



STAGE 4 | DESTROY



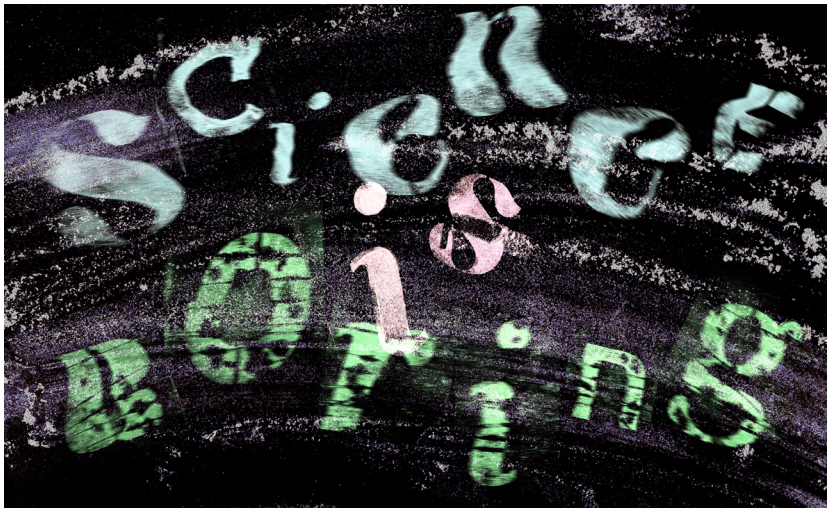
03 IMAGE COLLECTING WITH TYPE

STAGE 4 - DESTROY

03 IMAGE COLLECTING WITH TYPE

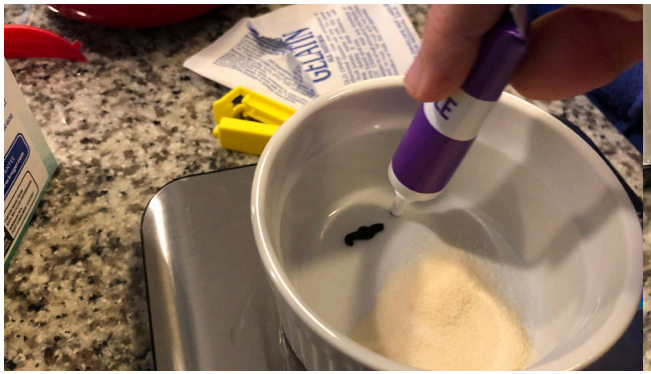
EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

~~Things Get Wild~~
Mark Rober
Science is Boring
~~World's Dryest~~
~~World is No Longer True~~



03 IMAGE COLLECTING WITH TYPE

STAGE 1 | PREPARE JELLO



03 IMAGE COLLECTING WITH TYPE

STAGE 2 | PLAY WITH THEM

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

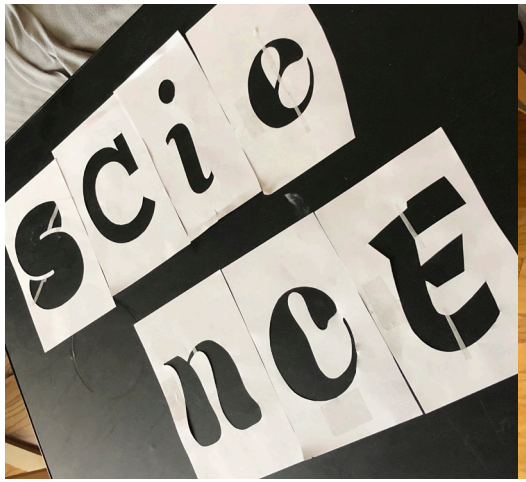
~~Things Get Wild~~
Mark Rober
Science is Boring
~~World's Dryest~~
~~World is No Longer True~~

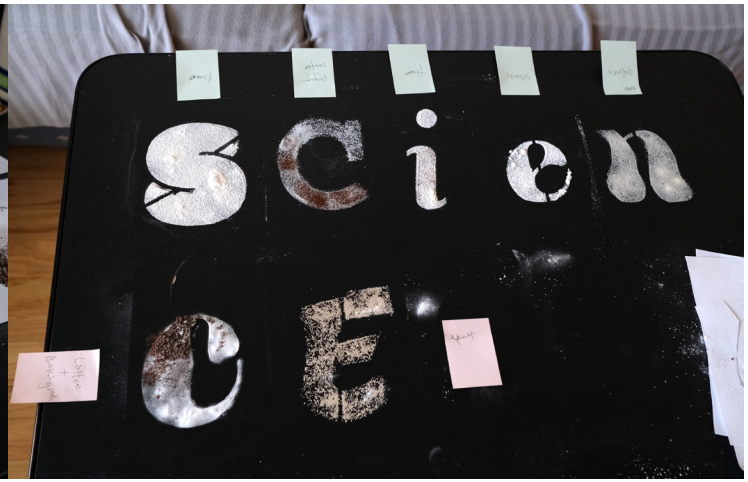
03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

I used paper to recreate the mold of the letters that I am going to print. I also considered using different ingredients to create the letters and try to capture every chemical reaction which happens on them.

I labeled the ingredients of every letter with sticky notes.





03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

This is the effect before I adding other materials and ingredients.

Flour

Sugar + Coffee Powder

Four + Coffee

Starch

Gelatin

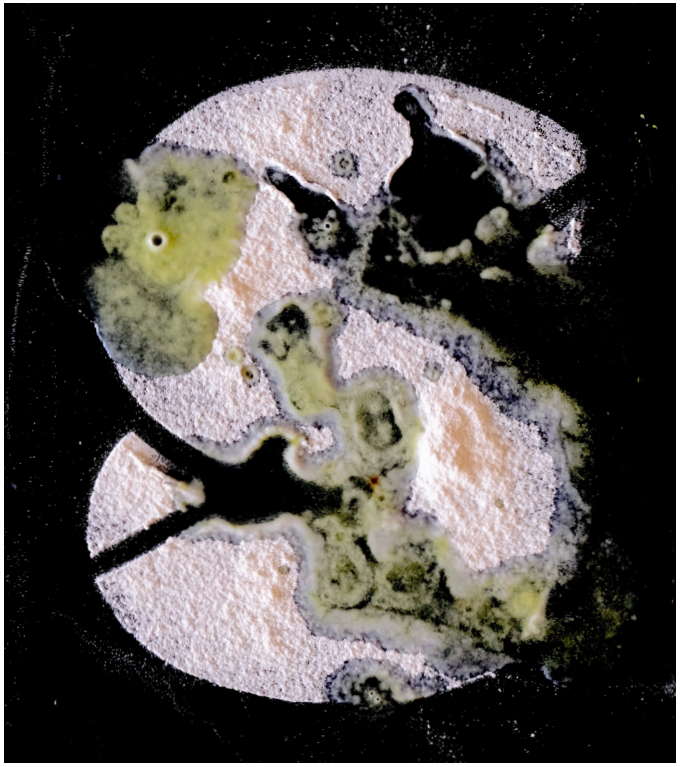
Coffee + Baking Powder

Yeast

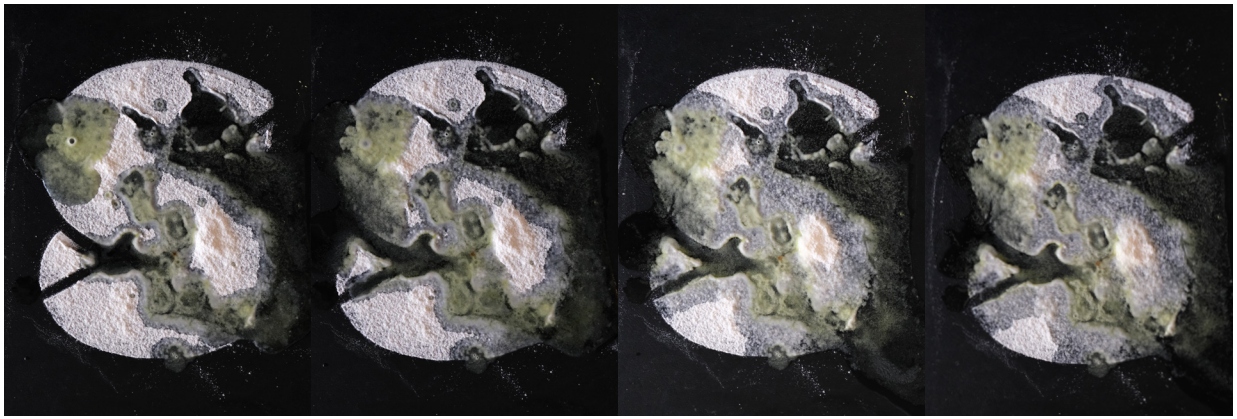
03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Flour



Edit Contrast



+ Vinegar
+ Food Color

10 Minuets Later

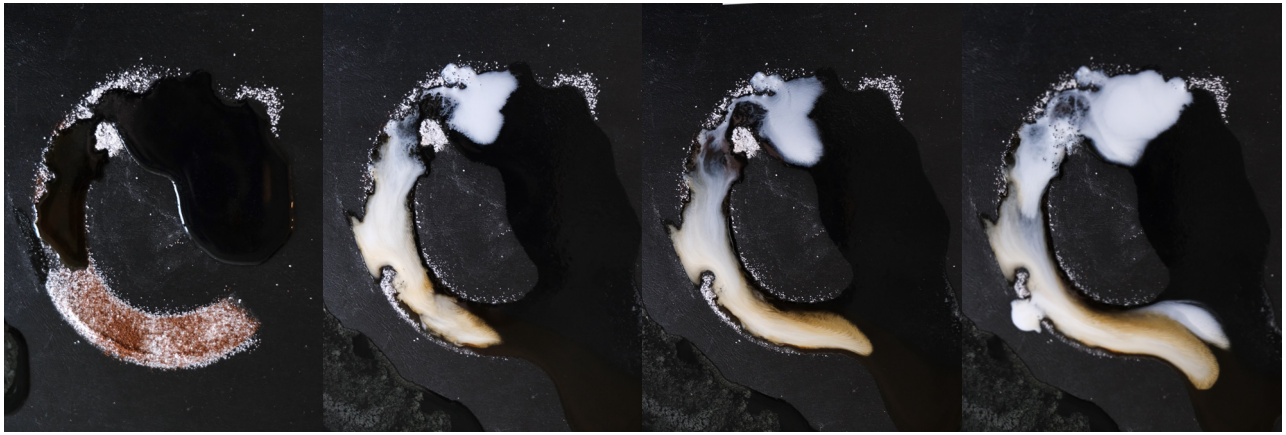
30 Minuets Later

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Sugar + Coffee

Edit Contrast



+ Water + Creamer

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Four + Coffee

+ Beer

Edit Contrast

Starch

+ Beer

Edit Contrast

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Gelatin

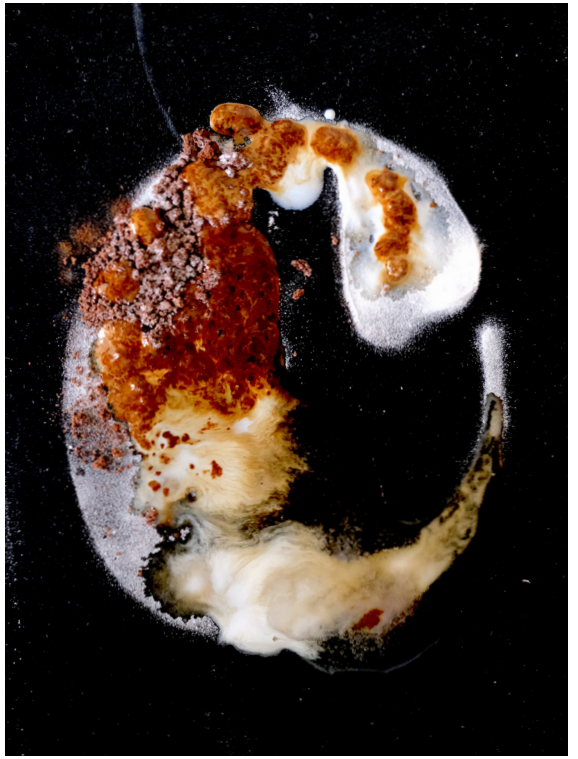
Edit Contrast

+ Water

Coffee + Baking Soda

+ Beer

+ Beer + Creamer



Edit Contrast

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Yeast

+ Hydrogen Peroxide

Edit Contrast

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Dry Gelatin

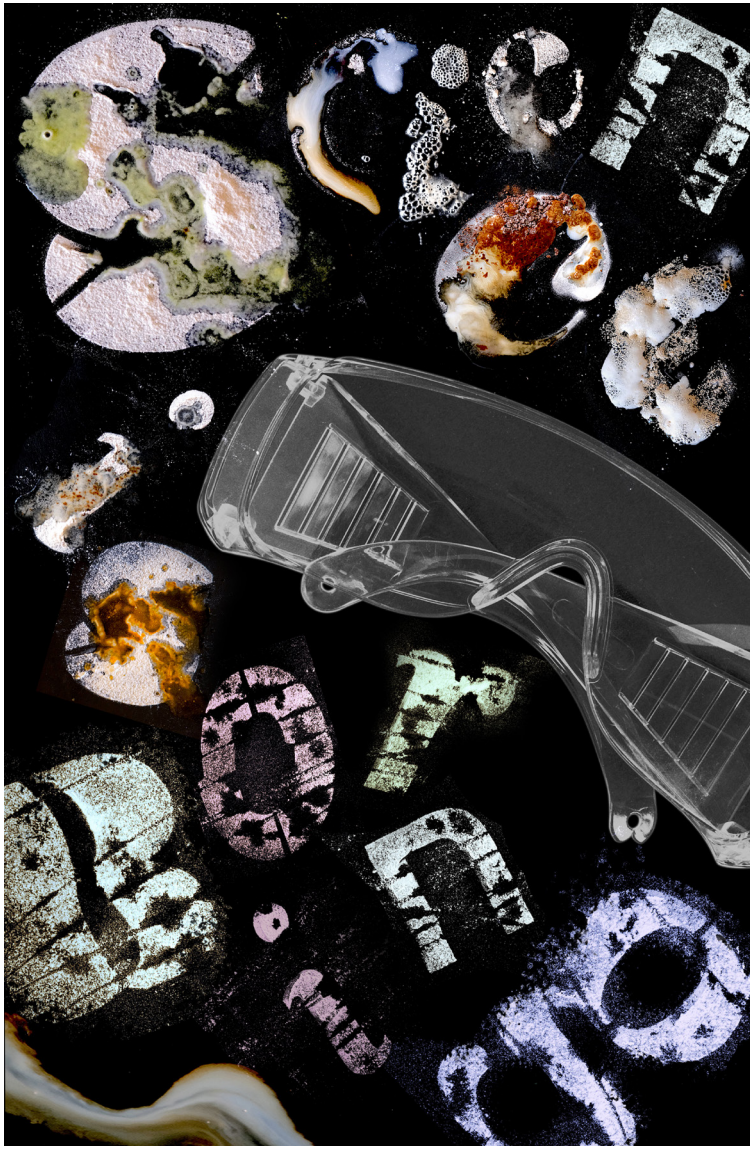
+ Food Color

Edit Contrast

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Science is Boring



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Science is Boring

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Big Kids

Big Kids
Big Kids
Big Kids
BIG KIDS
Big Kids
BIG KIDS
BIG KIDS
Big Kids

BIG KIDS
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Big Kids
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Big Kids
Big Kids
Big Kids

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

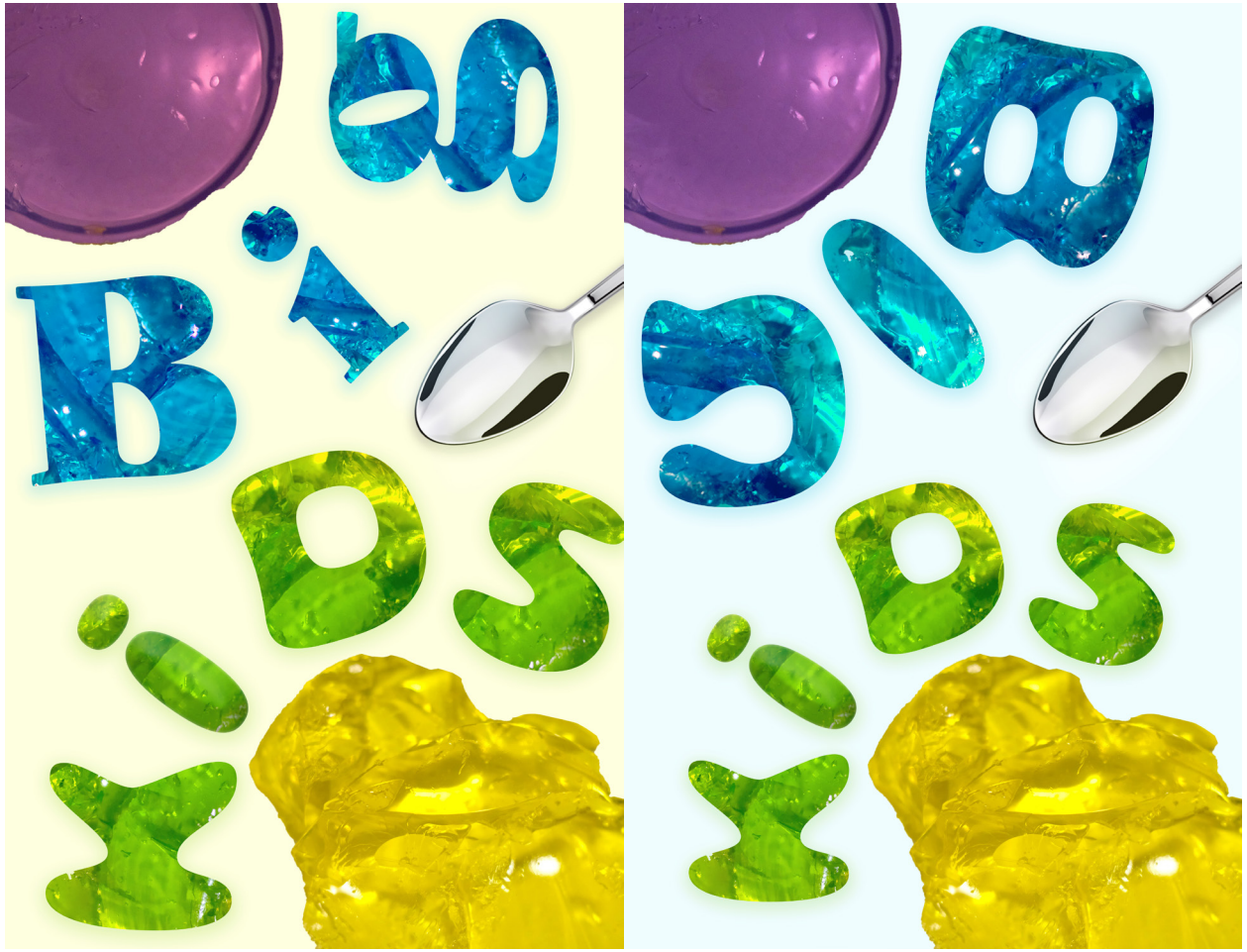
Big Kids

Big Kids	Big Kids	Big Kids	Big Kids	Big Kids
BIG Kids	BIG Kids	BIG Kids	BIG Kids	BIG Kids
BIG KIDS	BIG KIDS	BIG KIDS	BIG KIDS	BIG KIDS
BIG KIDs	BIG KIDs	BIG KIDs	BIG KIDs	BIG KIDs
big kids	big kids	big kids	big kids	big kids
big KIDs	big KIDs	big KIDs	big KIDs	big KIDs
BIG kids	BIG kids	BIG kids	BIG kids	BIG kids

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

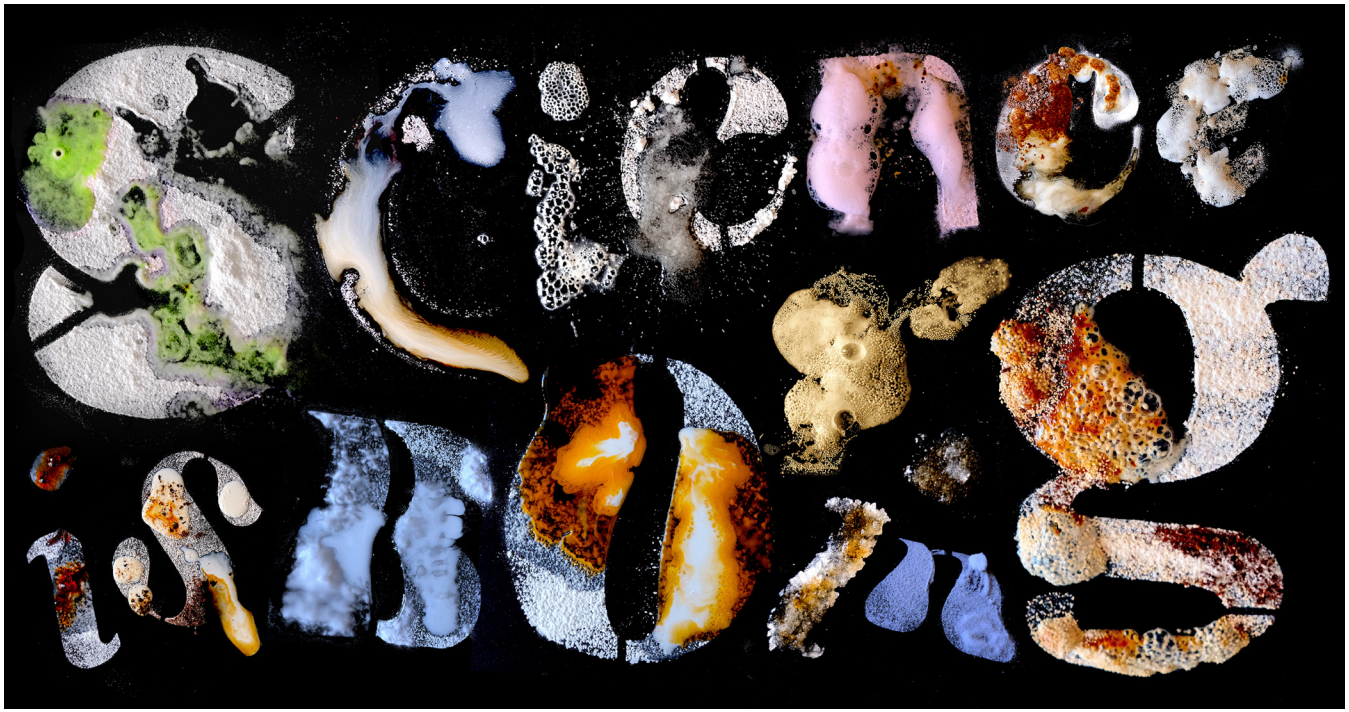
Big Kids



03 IMAGE COLLECTING WITH TYPE

FINAL OUTCOME

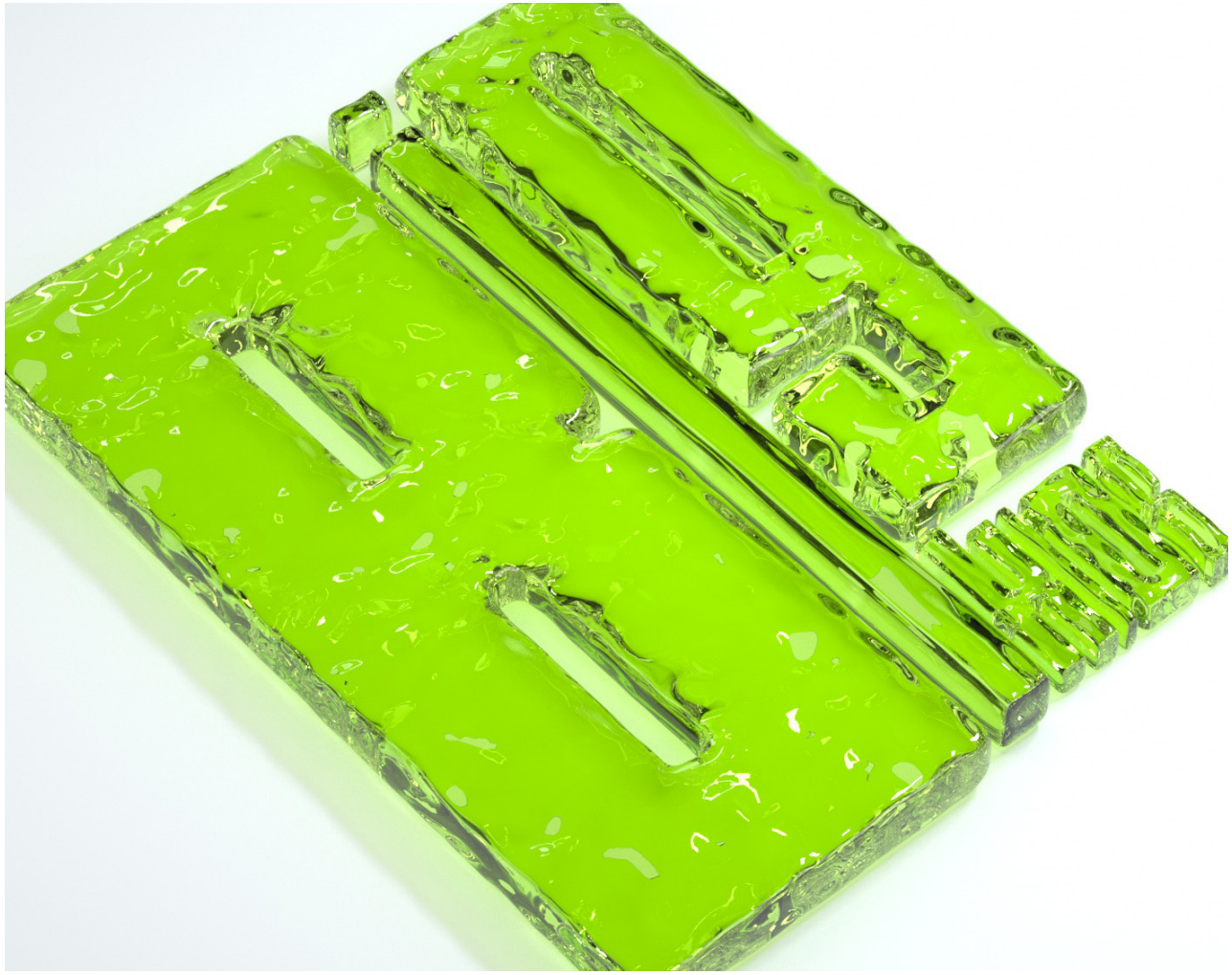
Science is Boring



03 IMAGE COLLECTING WITH TYPE

FINAL OUTCOME

Big Kids



03 IMAGE COLLECTING WITH TYPE

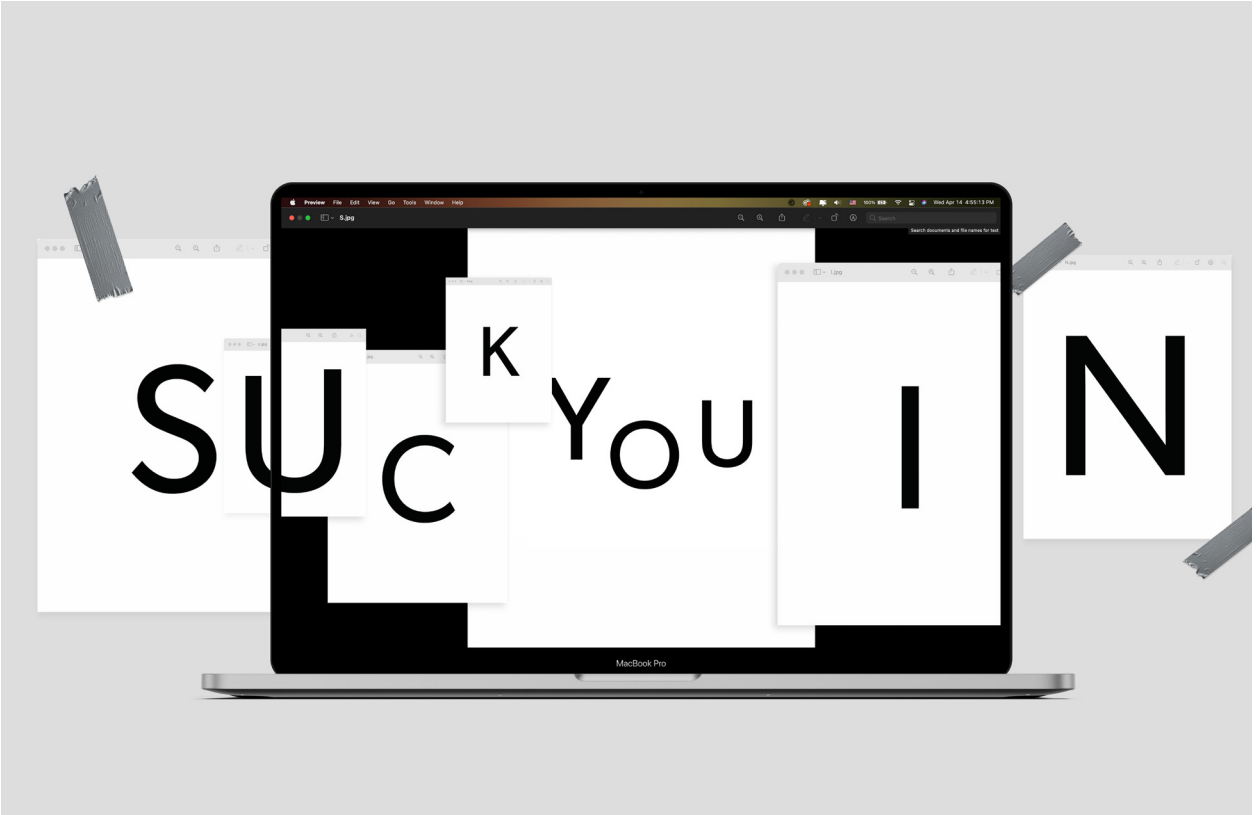
EXPERIMENT 01 - WORD LIST 02

Imagination
Suck You In
Hello
The Worlds is No longer True
Idea
Bait

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - WORD LIST

Imagination
Suck You In
Hello
The Worlds is No longer True
Idea
Bait



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - WORD LIST

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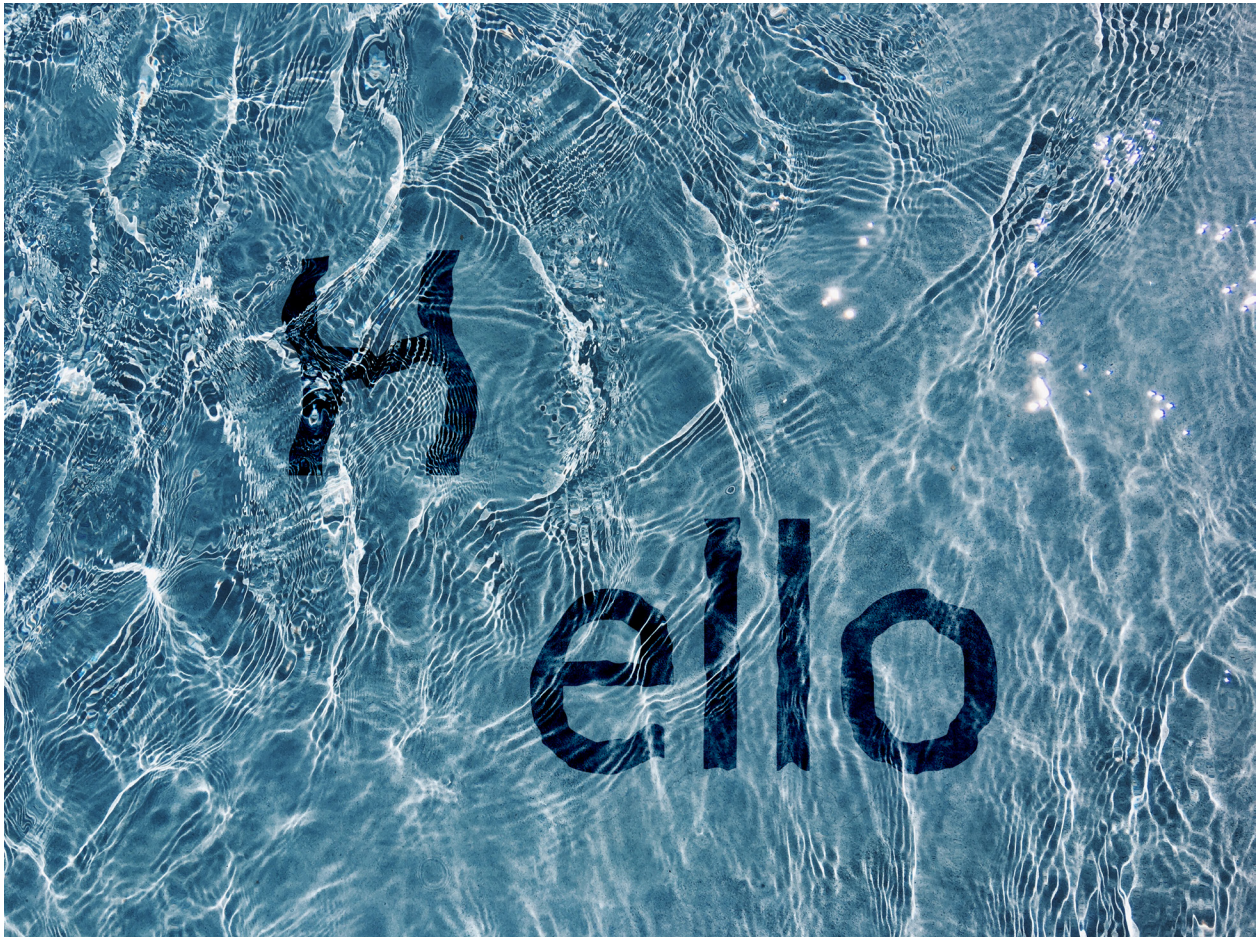
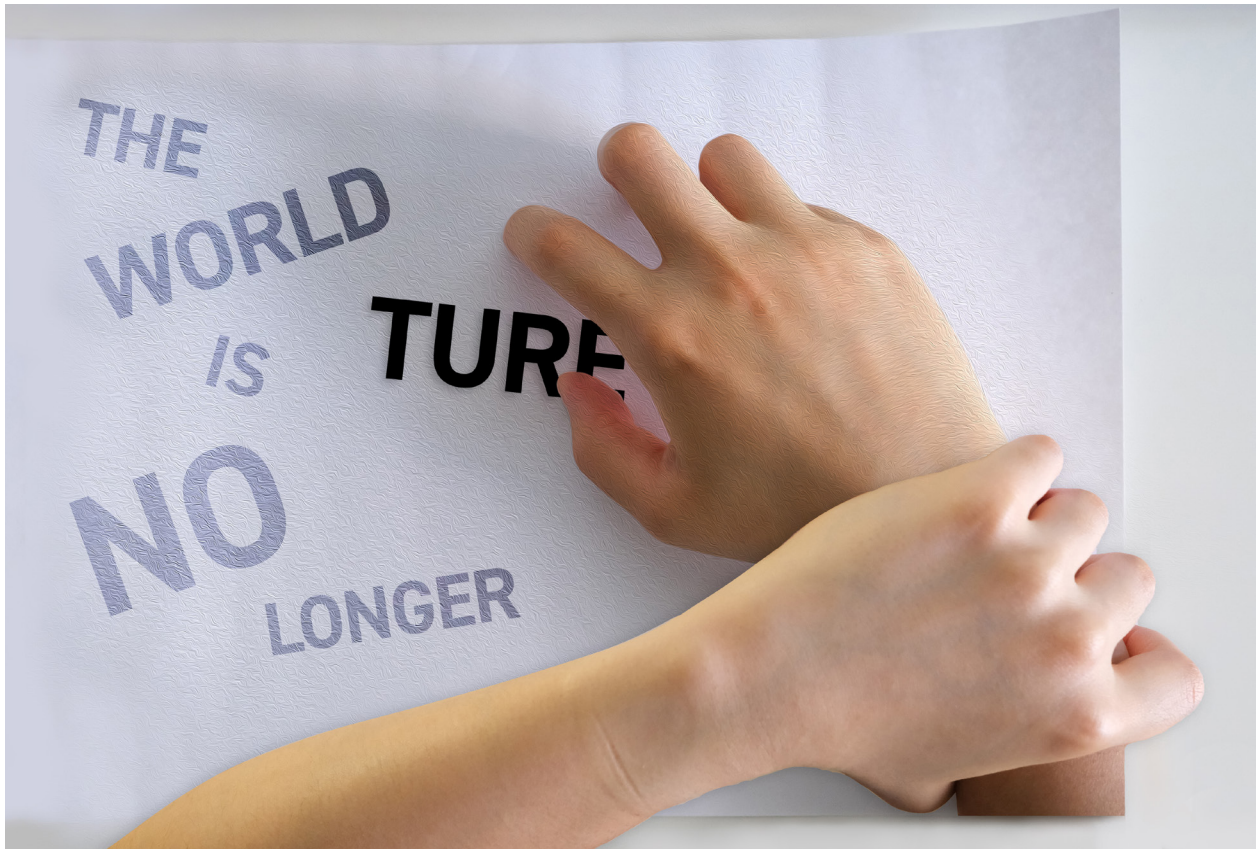
Idea
Bait



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - WORD LIST

Imagination
Suck You In
Hello
The Worlds is No longer True
Idea
Bait



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - WORD LIST

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Bait

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - WORD LIST

Imagination
Suck You In
Hello
The Worlds is No longer True
Idea
Bait

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

Imagination

Imagination
imagination
imagination
imagination
imagination
imagination
imagination
Imagination
imagination
imagination
imagination
imagination
imagination
imagination

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

Imagination

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

Largest

Largest

Largest

Largest

Largest

Largest

Largest

Largest

Largest

Largest

Largest

Largest

Largest

Largest

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

Largest

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

The World is No Longer True

TRUE

TRUE

True

TRUE

TRUE

TRUE

True

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

TRUE

True

True

True

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - TYPOGRAPHY EXPLORATION

The World is No Longer True

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

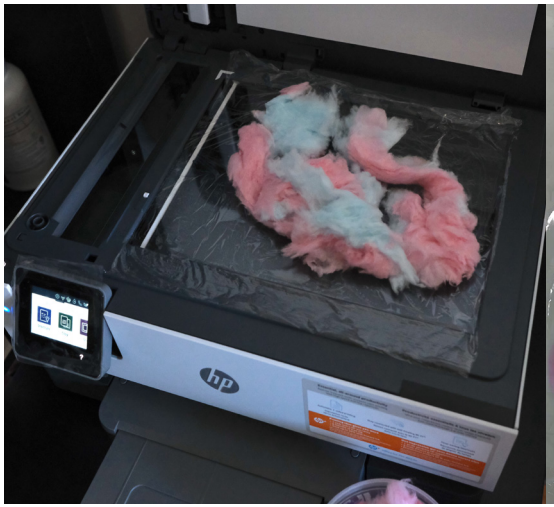
I tried to capture the real texture of cotton candy and use it on the letter.

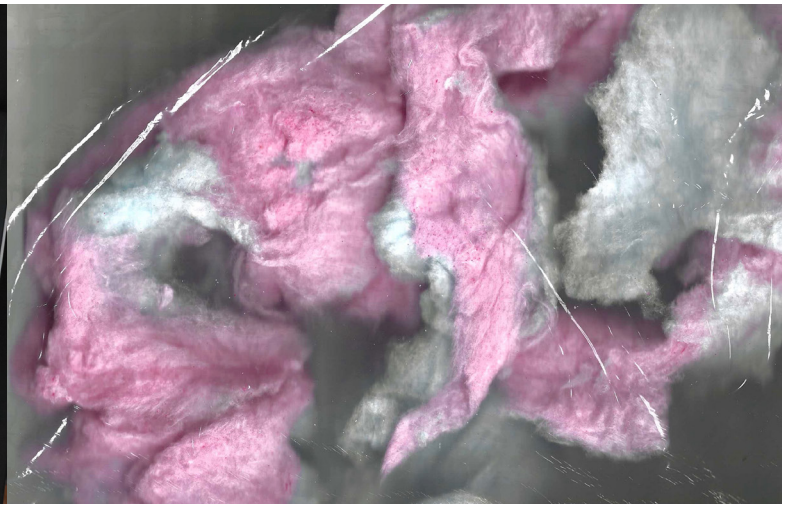
I let the light come through cotton candy, and I'd be able to captured the layers of the textures.

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

I also made the use of the printer. Use it to scan the texture of the cotton candy.





03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

Imagination

03 IMAGE COLLECTING WITH TYPE

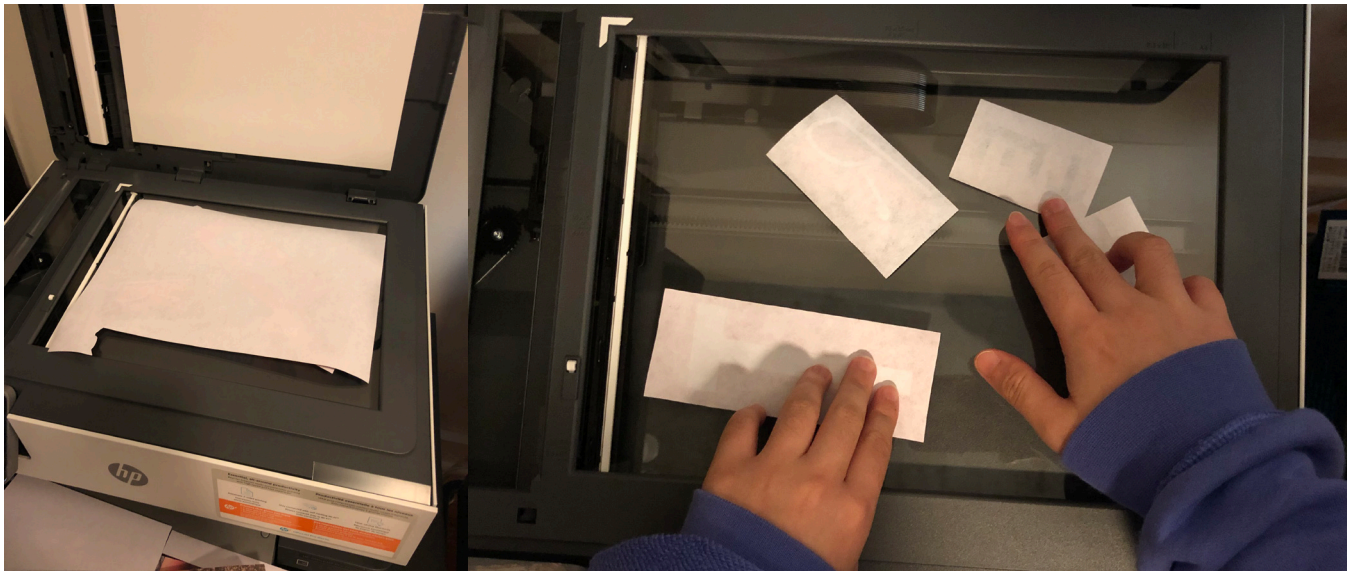
EXPERIMENT 03 - FURTHER EXPLORATION

Imagination

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

The World is No Longer True



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 03 - FURTHER EXPLORATION

The World is No Longer True

03 IMAGE COLLECTING WITH TYPE

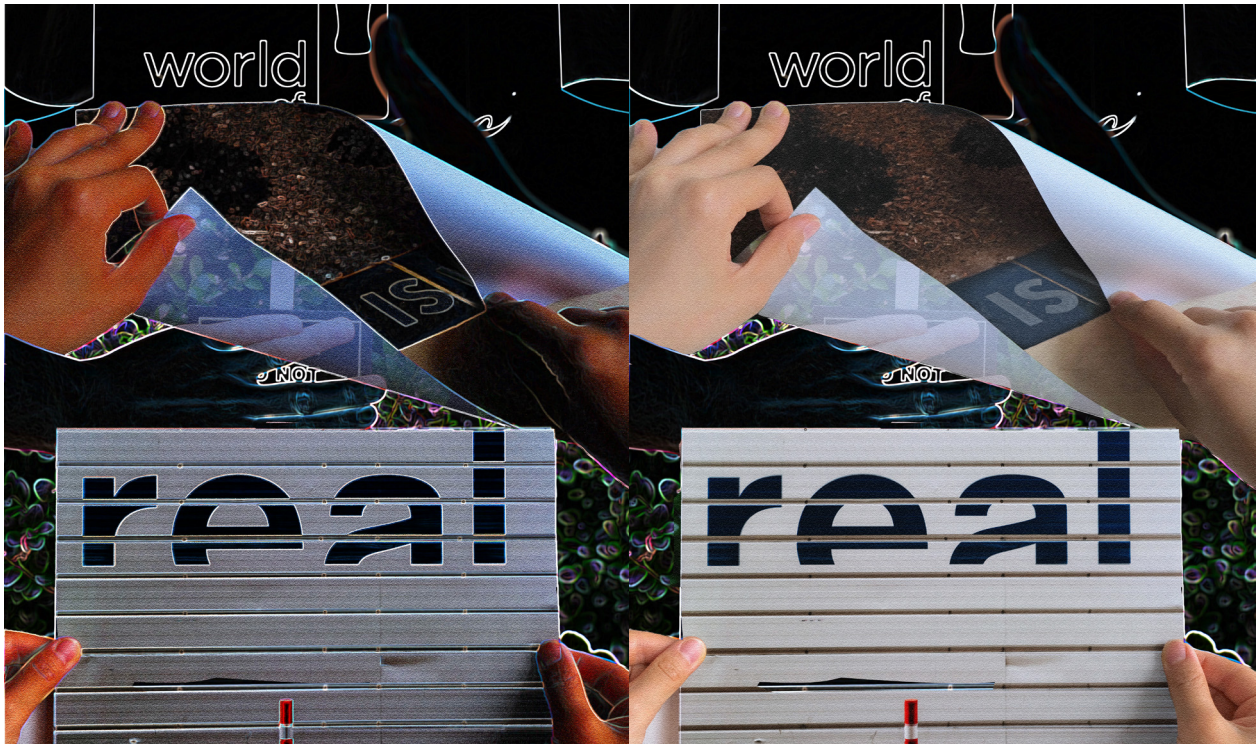
FINAL OUTCOMES

Imagine

03 IMAGE COLLECTING WITH TYPE

FINAL OUTCOMES

World is Not Real

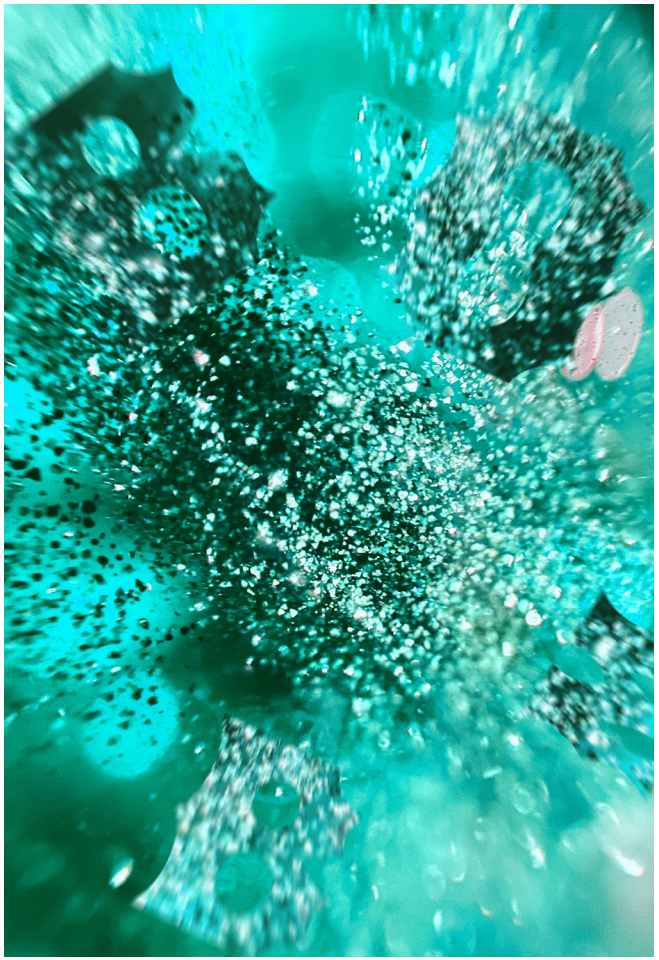


03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - MATERIAL EXPLORATION

Bomb

For the people who steal the package from his front door, glitter bomb will explode and glitters will spread all over the place when they open the package.

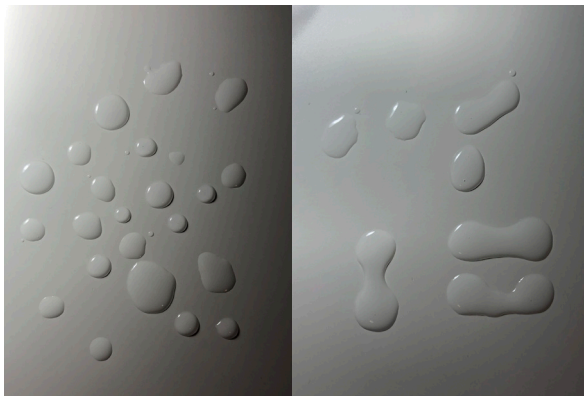


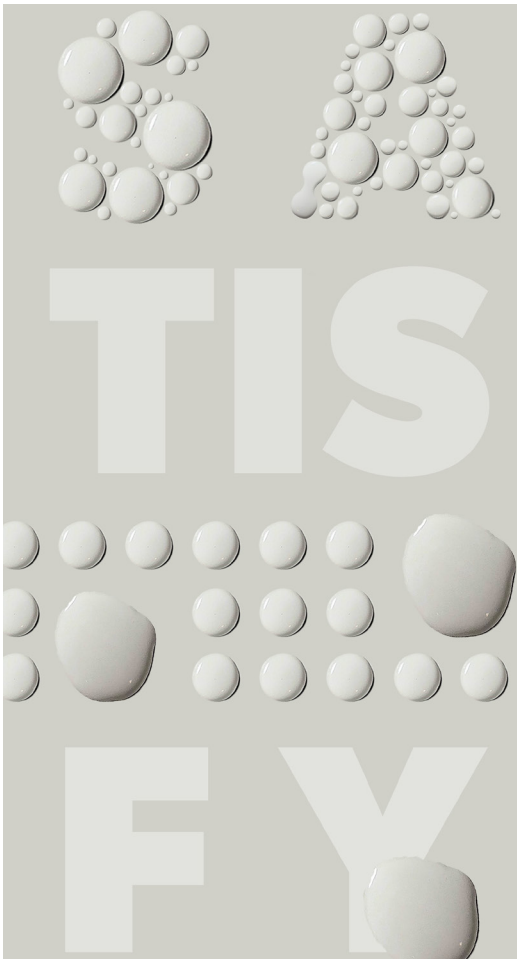
03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - MATERIAL EXPLORATION

Satisfy

Mark Rober does not only perform science experiments. He also creates things that are visually satisfying and aesthetically pleasing.





03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - MATERIAL EXPLORATION

Understandable

Science can be abstruse and sophisticated in normal people's eyes. Mark Rober can translate such complex science knowledge in a much simpler and more understandable way.

03 IMAGE COLLECTING WITH TYPE

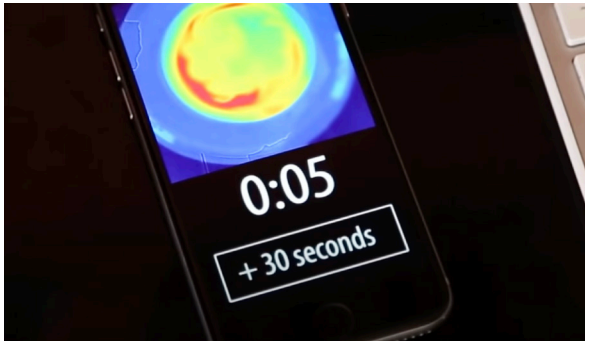
EXPERIMENT 01 - MATERIAL EXPLORATION

Bait

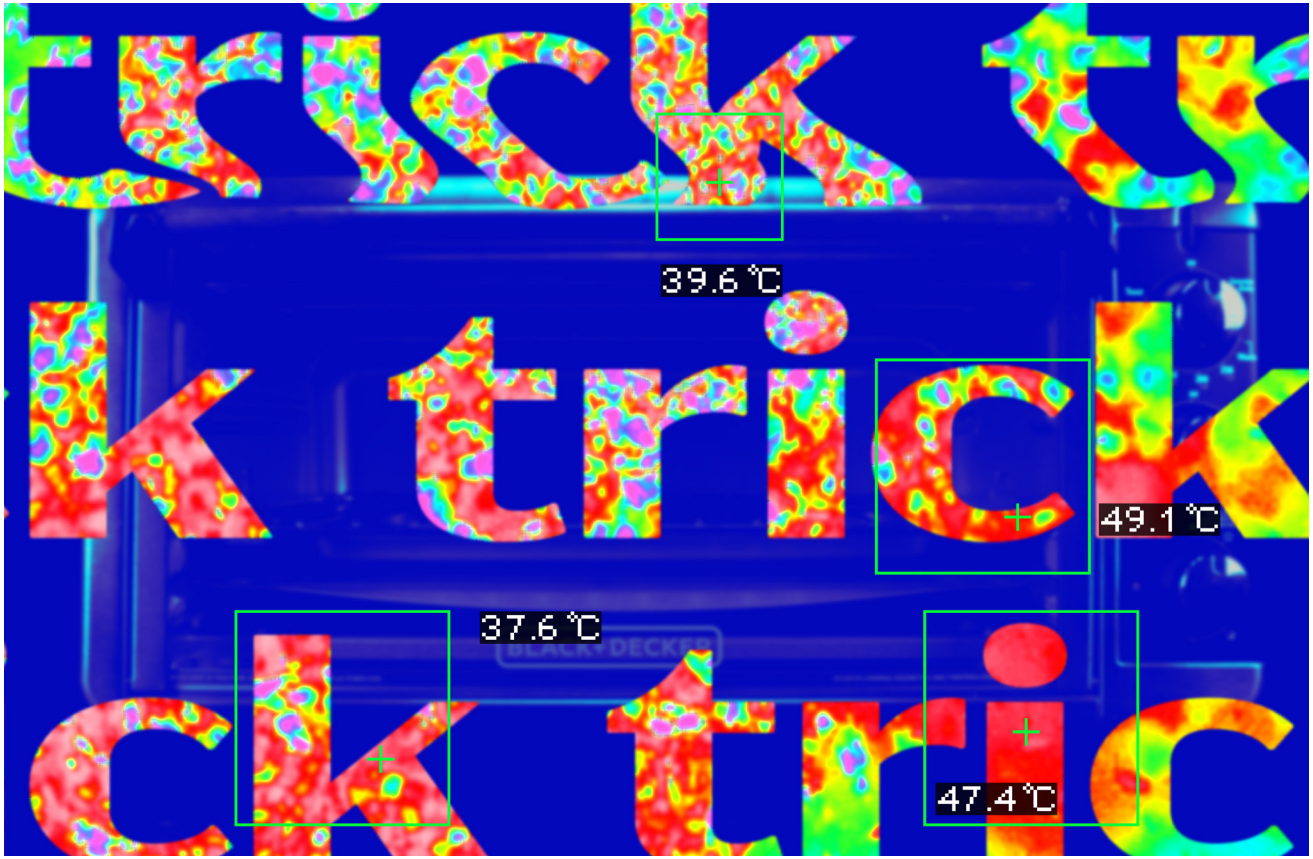
03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - MATERIAL EXPLORATION

Trick



Mark Rober is good at finding problems in real life and applying science tricks to solve them.

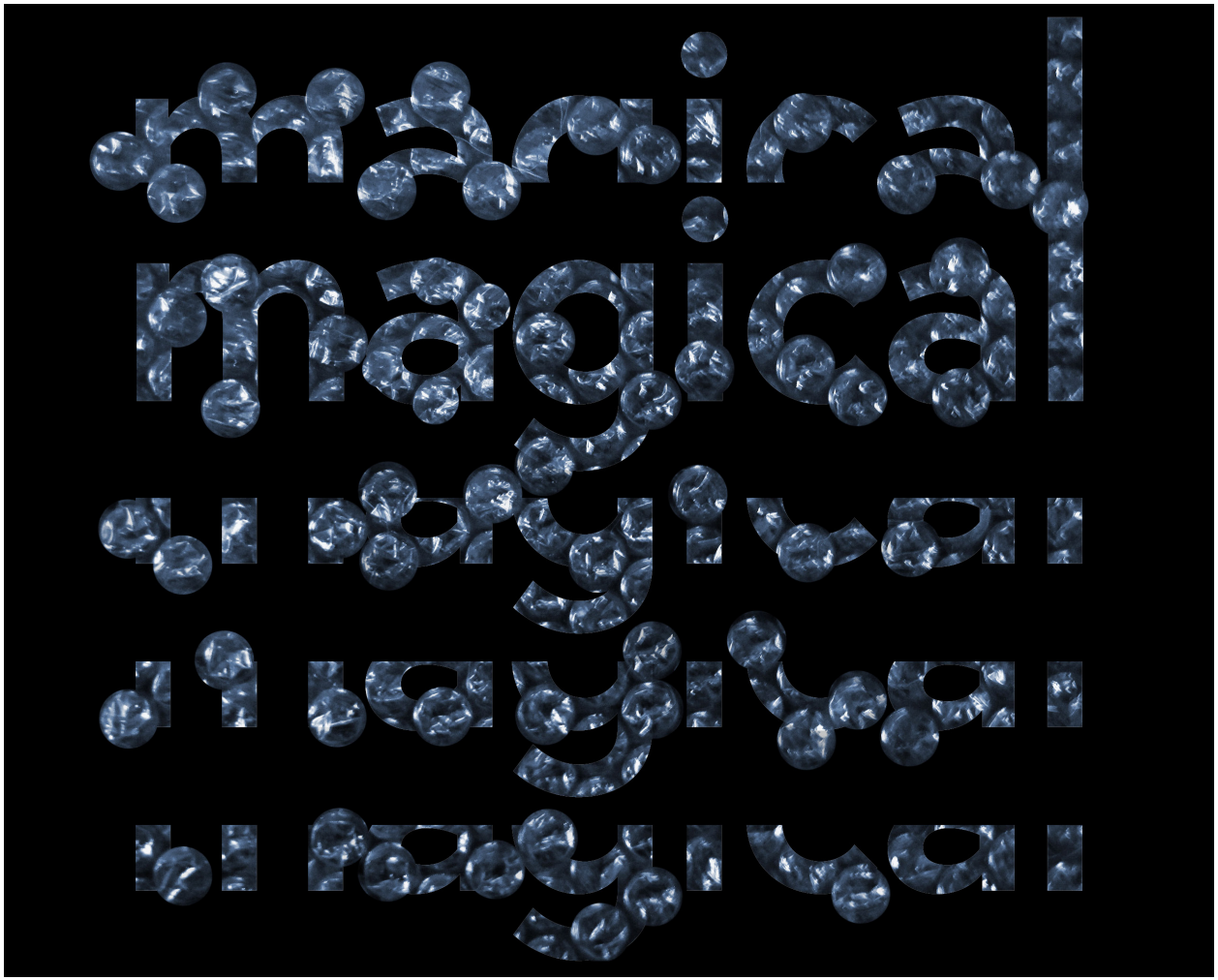


03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 01 - MATERIAL EXPLORATION

Magical

In many of his videos, Mark Rober performs experiments and successfully achieves effects that may be thought to be impossible. His experiments are aften quite magical.

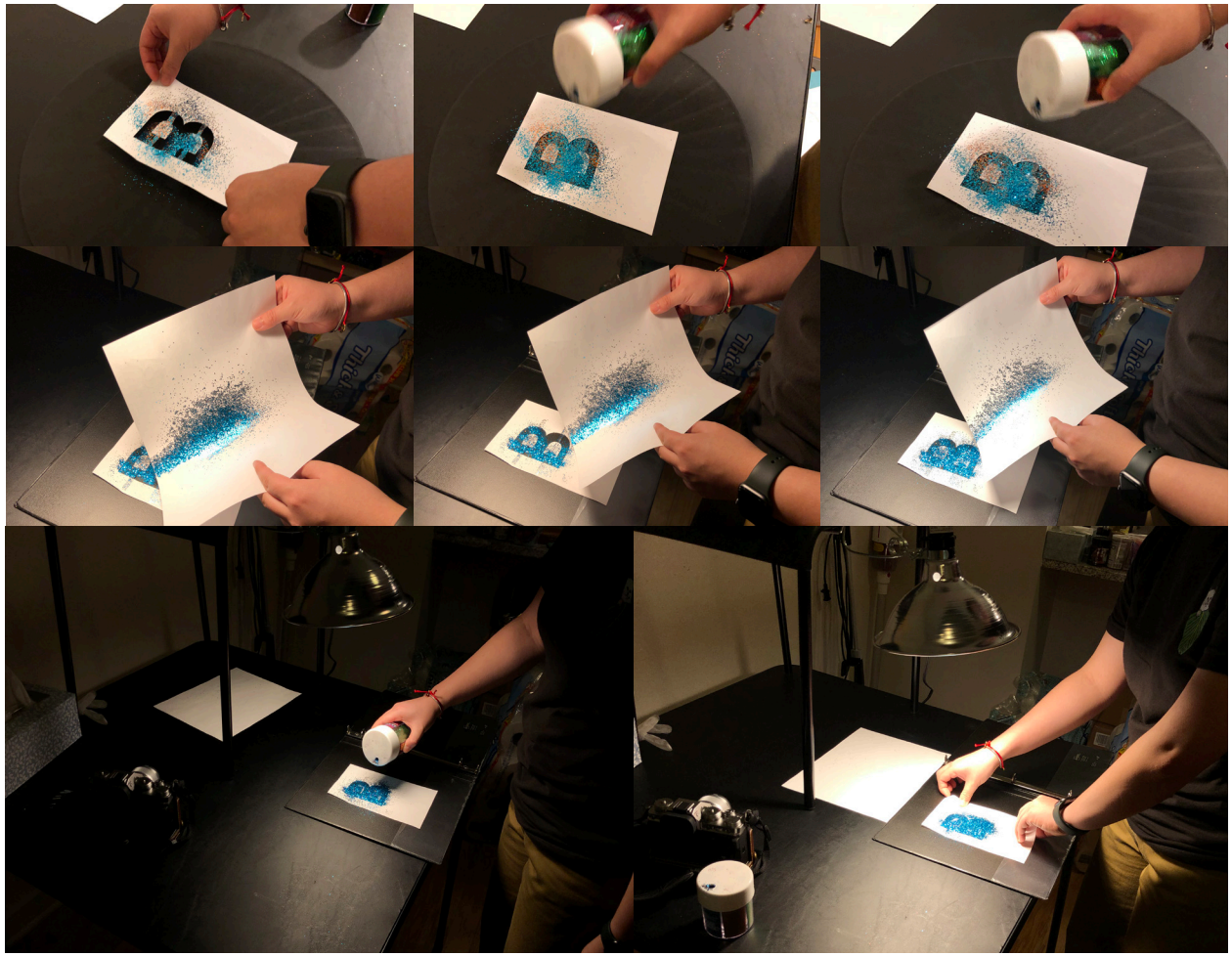


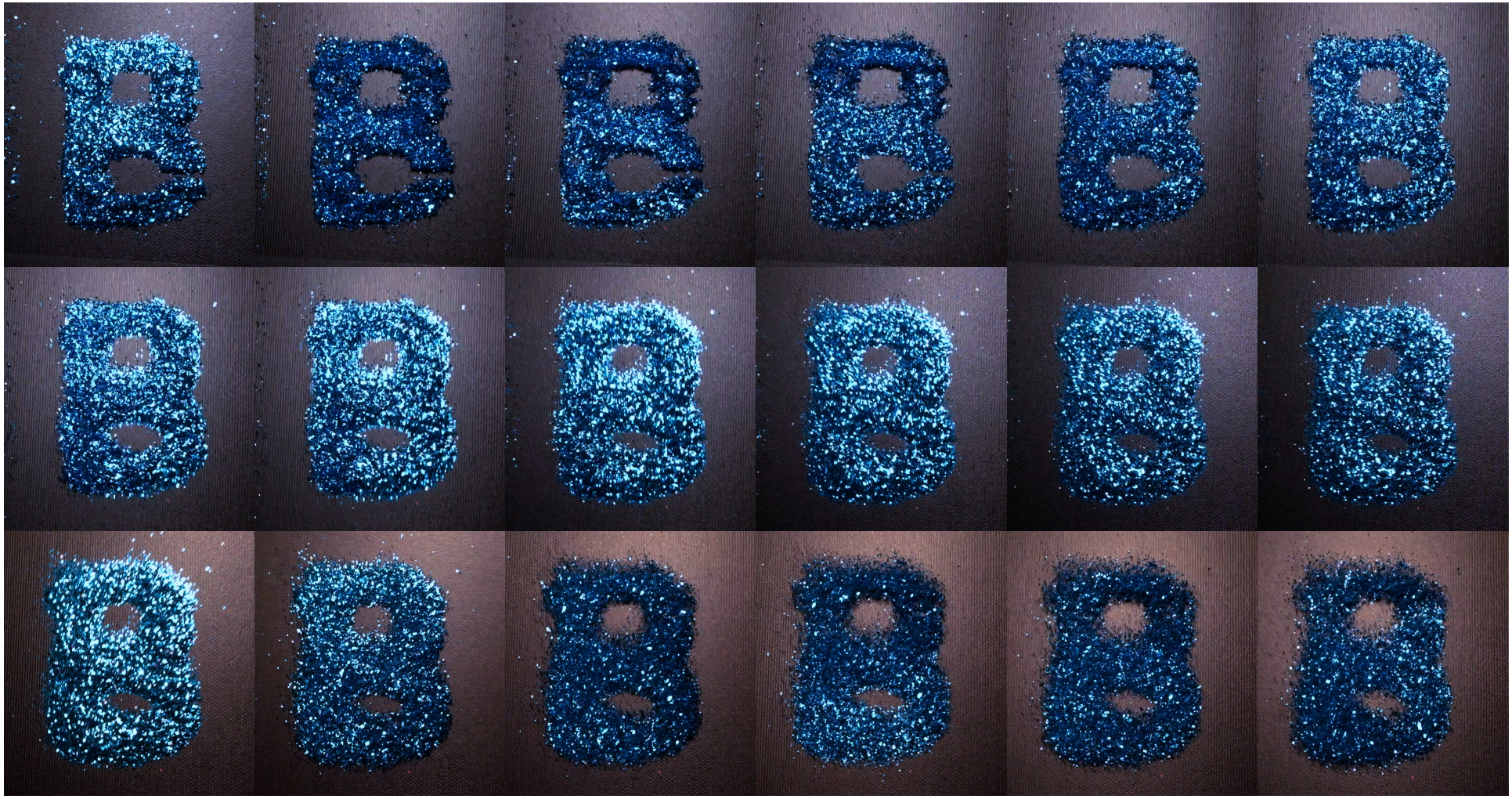
03 IMAGE COLLECTING WITH TYPE

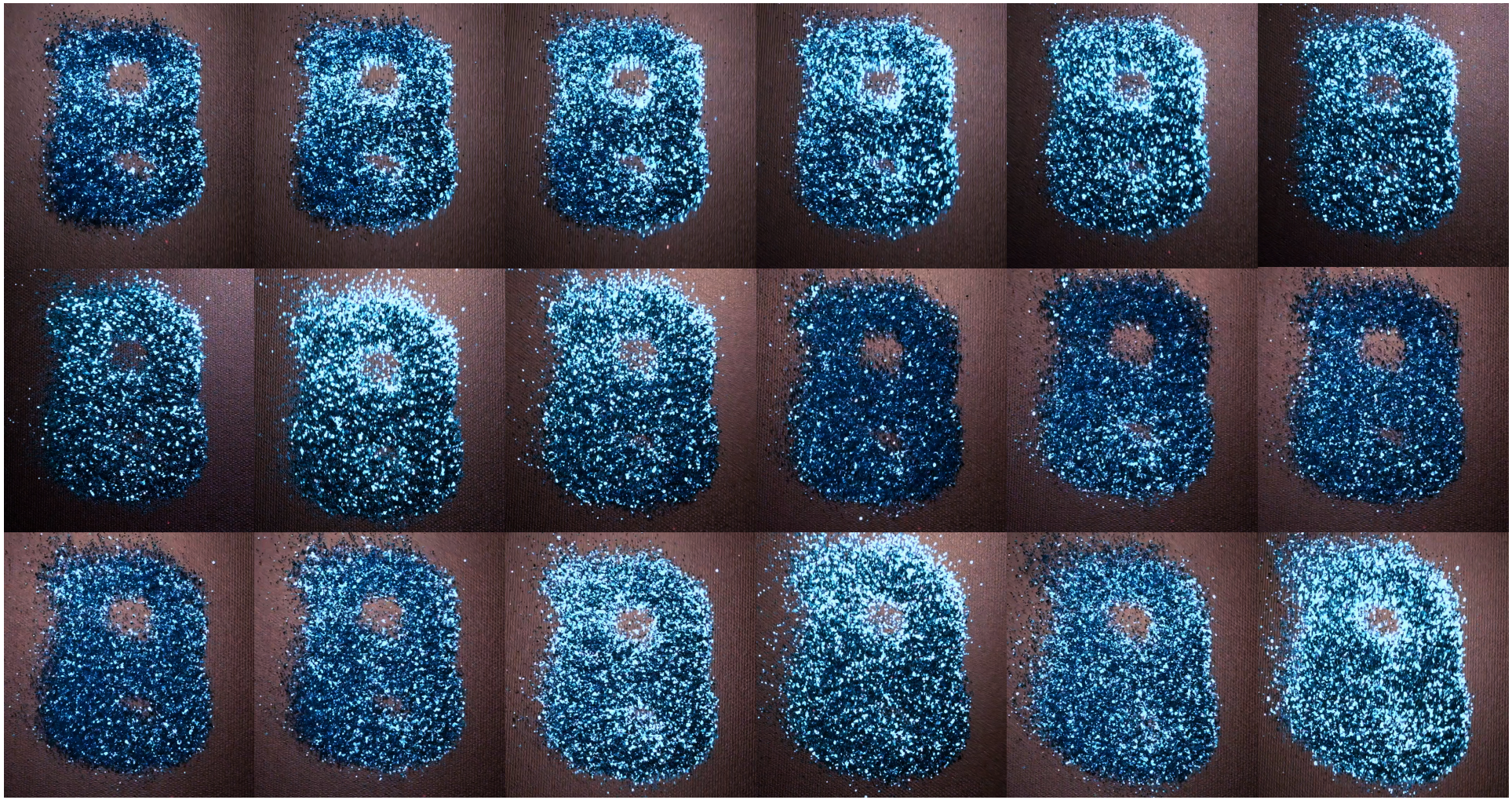
EXPERIMENT 02 - FURTHER EXPLORATION

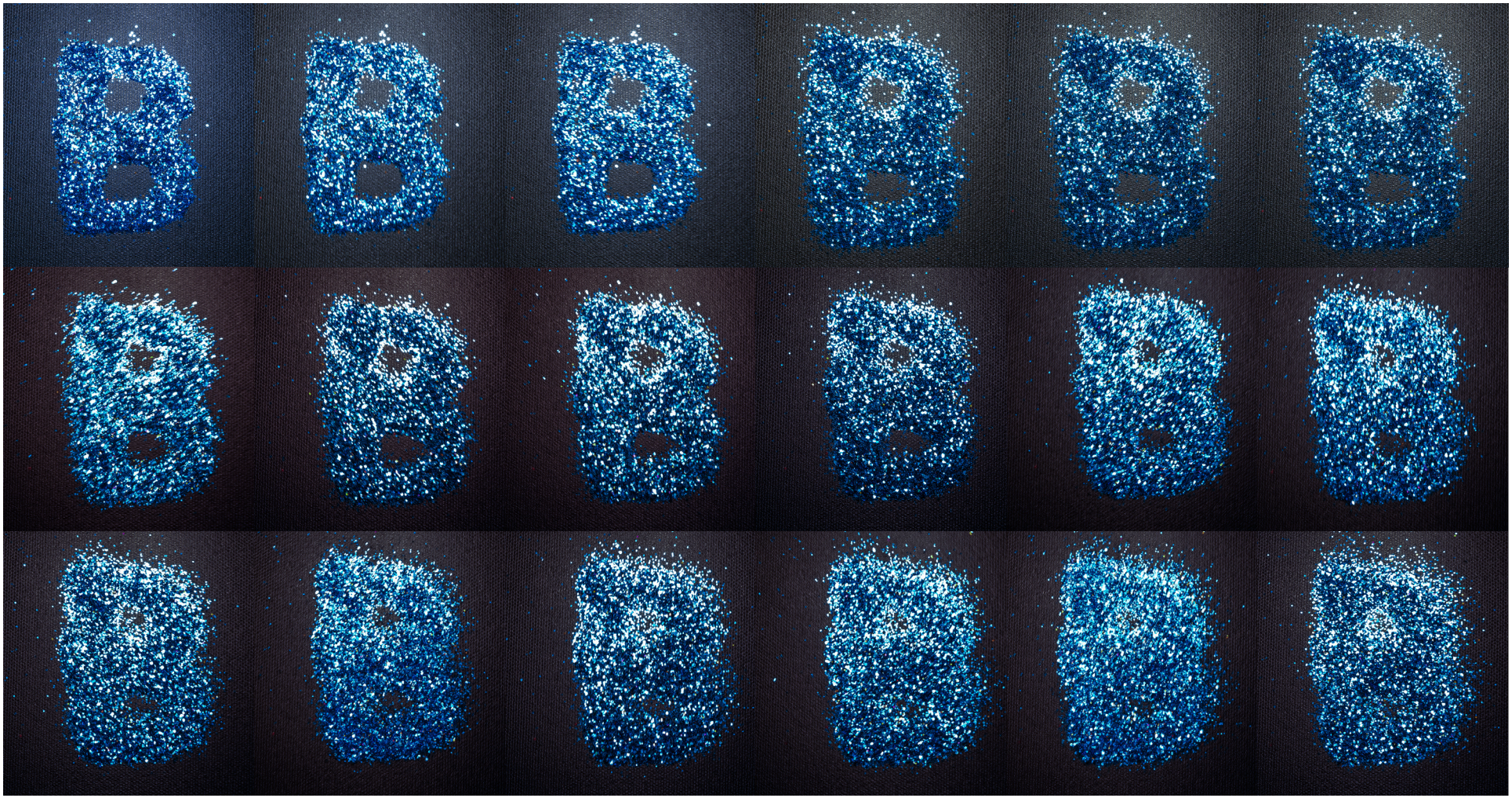
I used paper to cut the letter mold and put different color glitters in it.

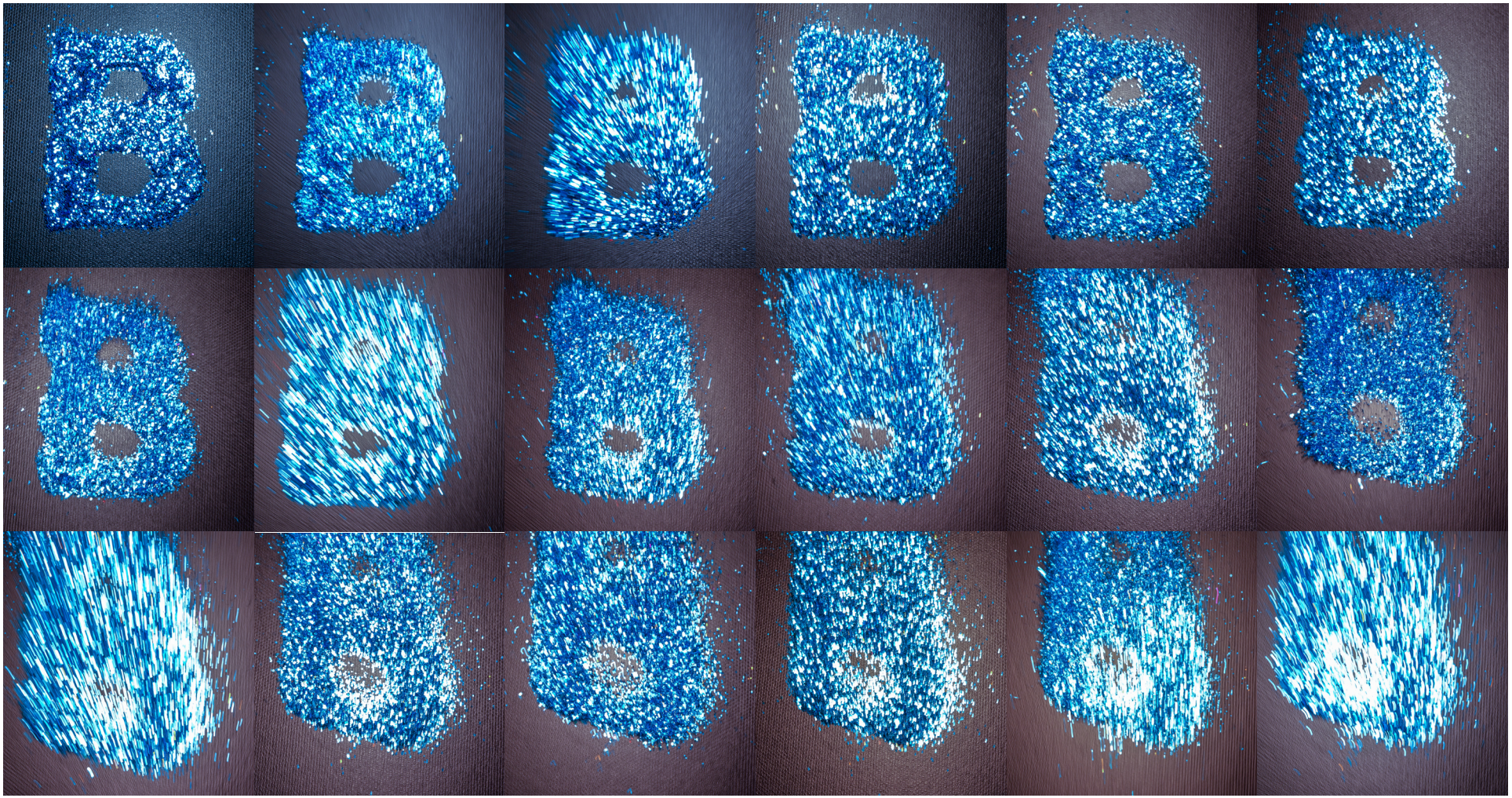
To get better shotting quality, I build a small workspace with light and black background.

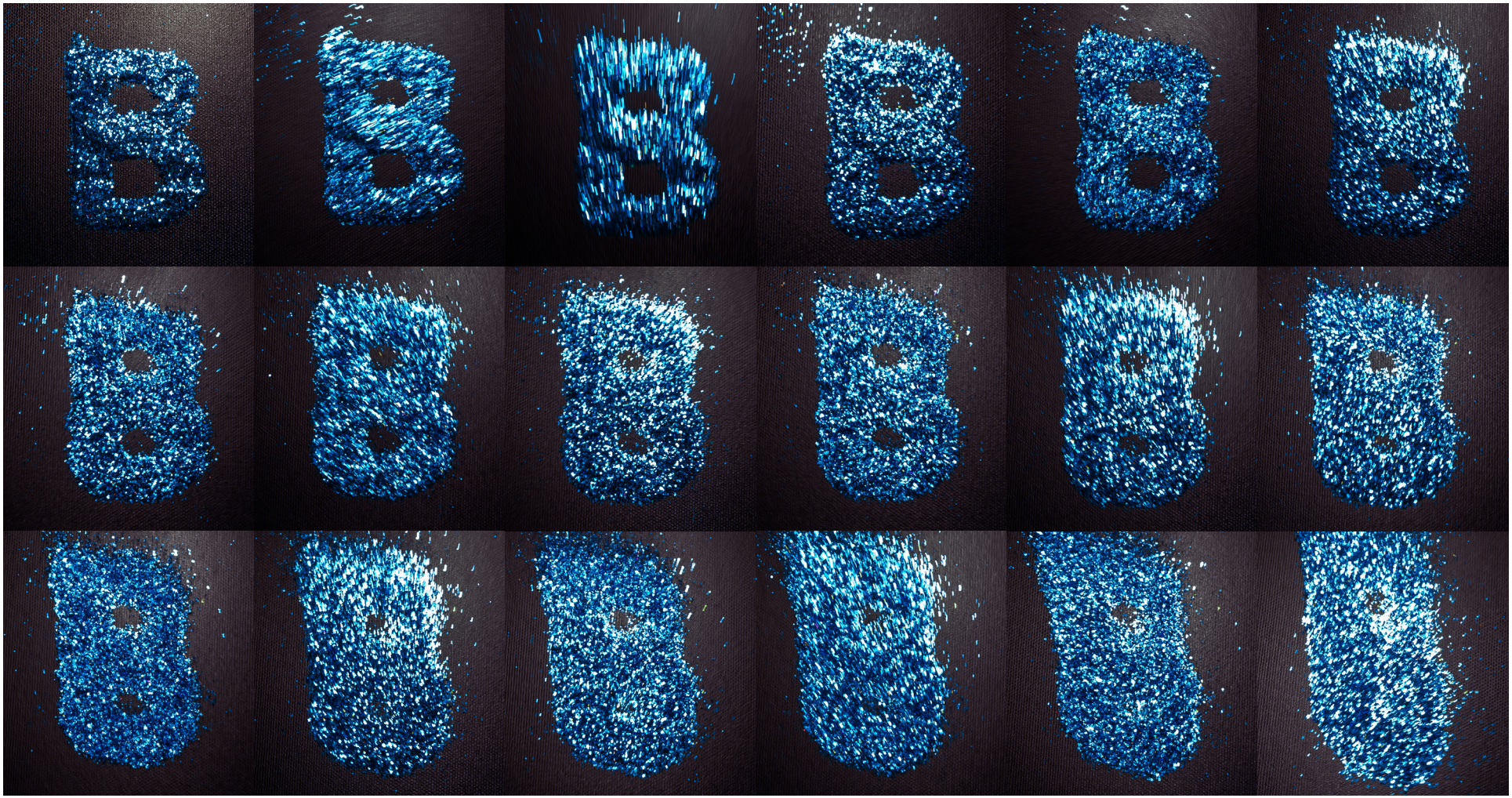


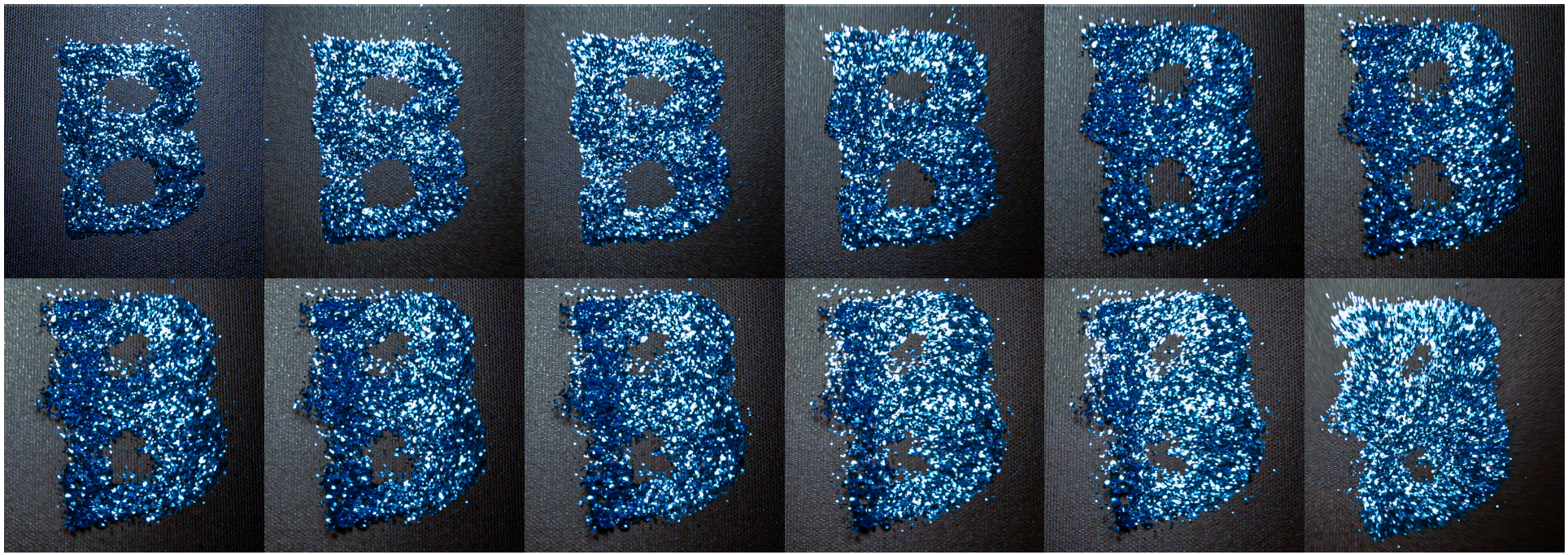


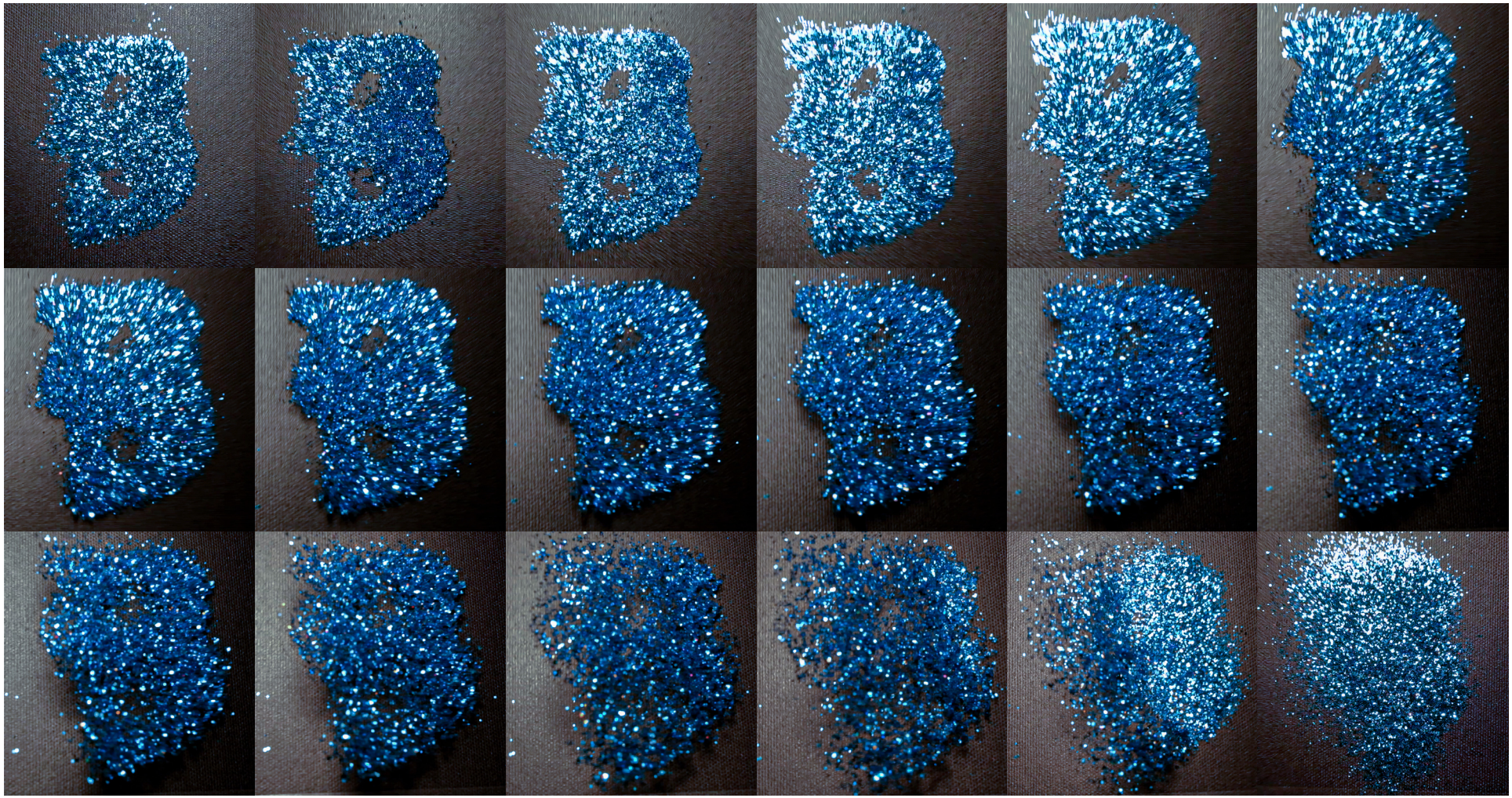












03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

Bomb

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

Because I didn't find water proof paper, I decided to create by me own. I used the water proof spray, which uses on clothes, shoes, and tent. I spray it on the normal paper.

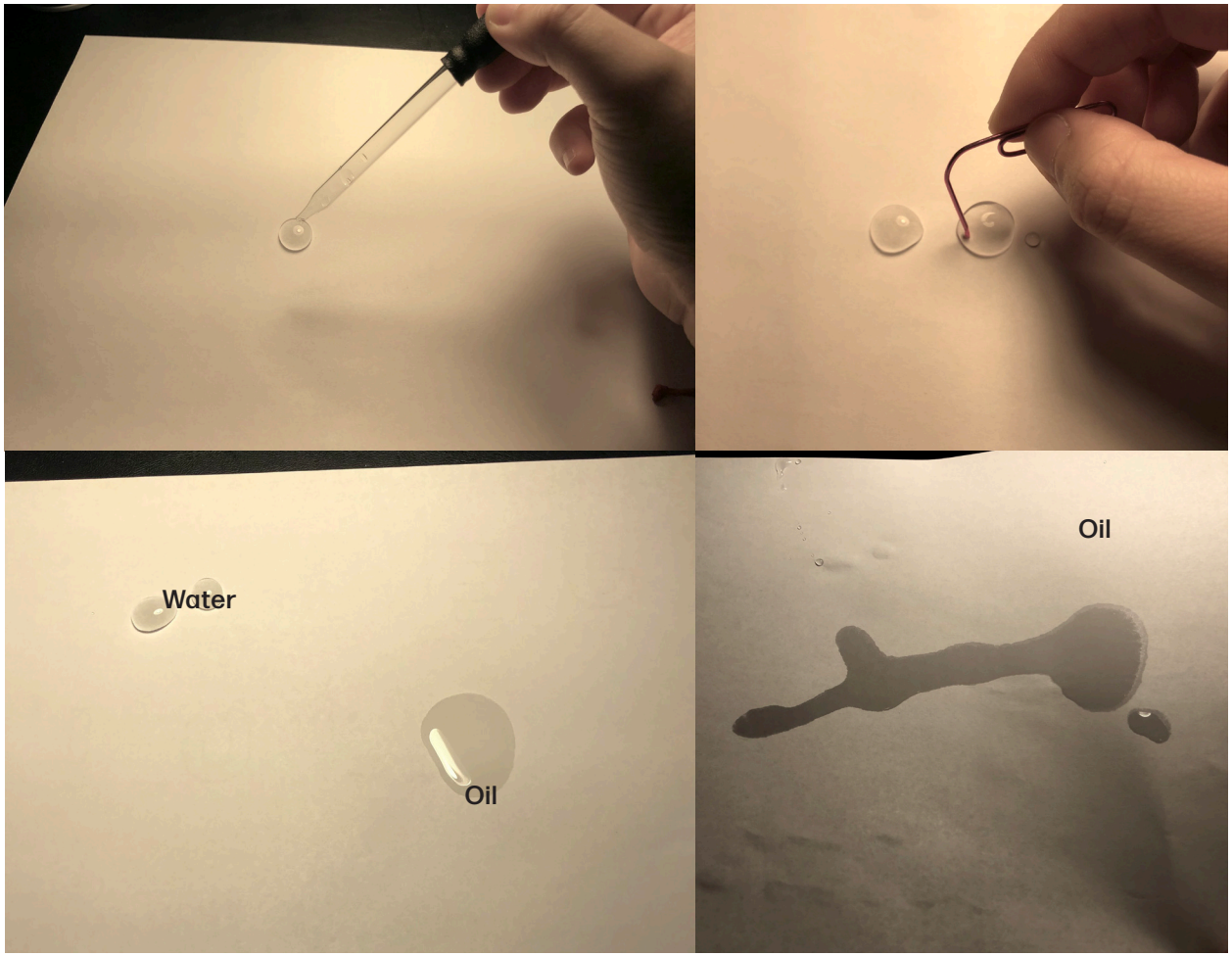
I set up my small shooting studio and start to play with water drops and take pictures.

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

I tried to use paper clip to connect those two drops, but I failed. Water is way harder to control than I think.

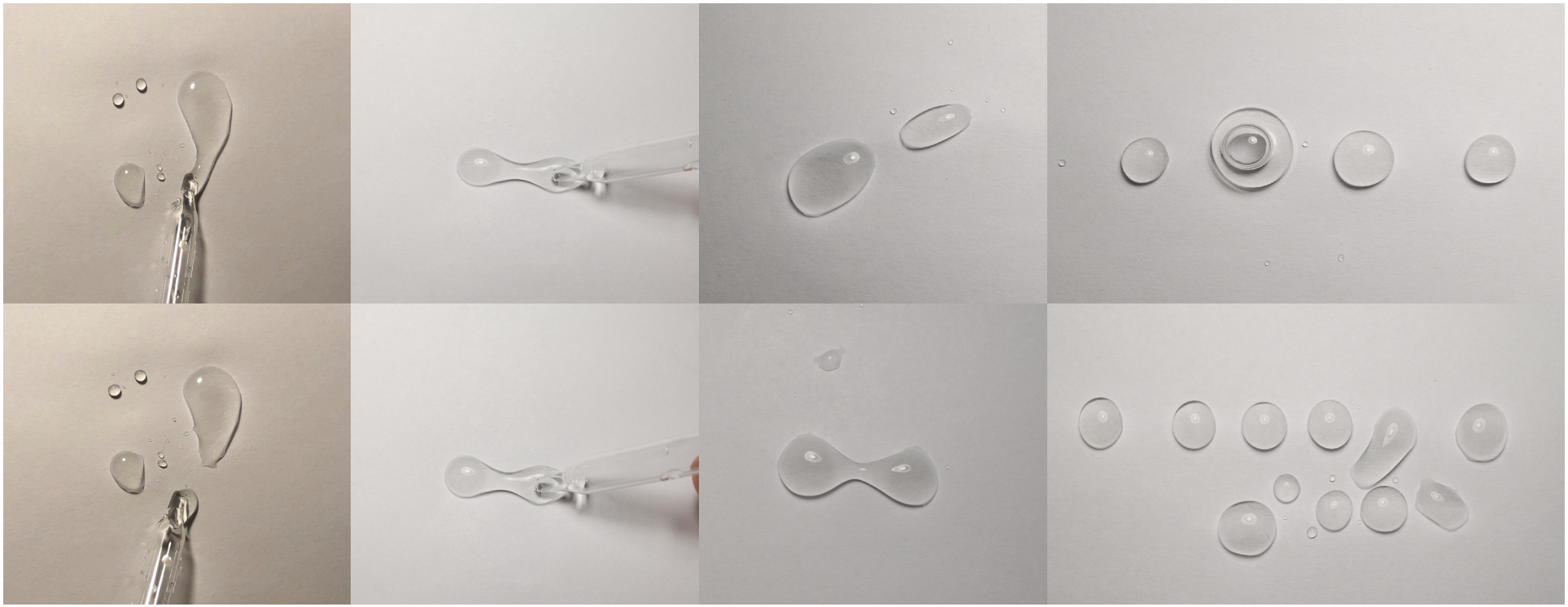
I also think about using other materials - oil. However, it was sucked by the paper immediately. Water works better than oil.



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

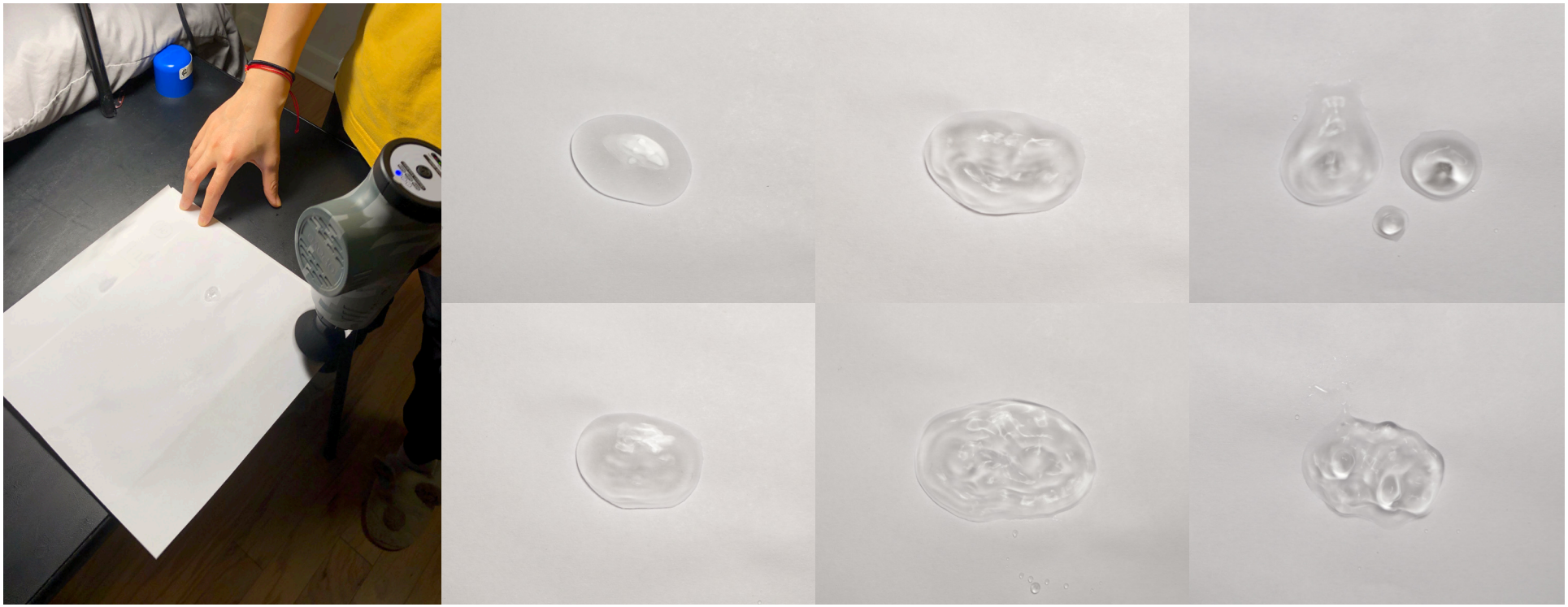
I started to form the water drop into different shapes.
I also tried to add bubble in the water drop to create
different visuals and textures.



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

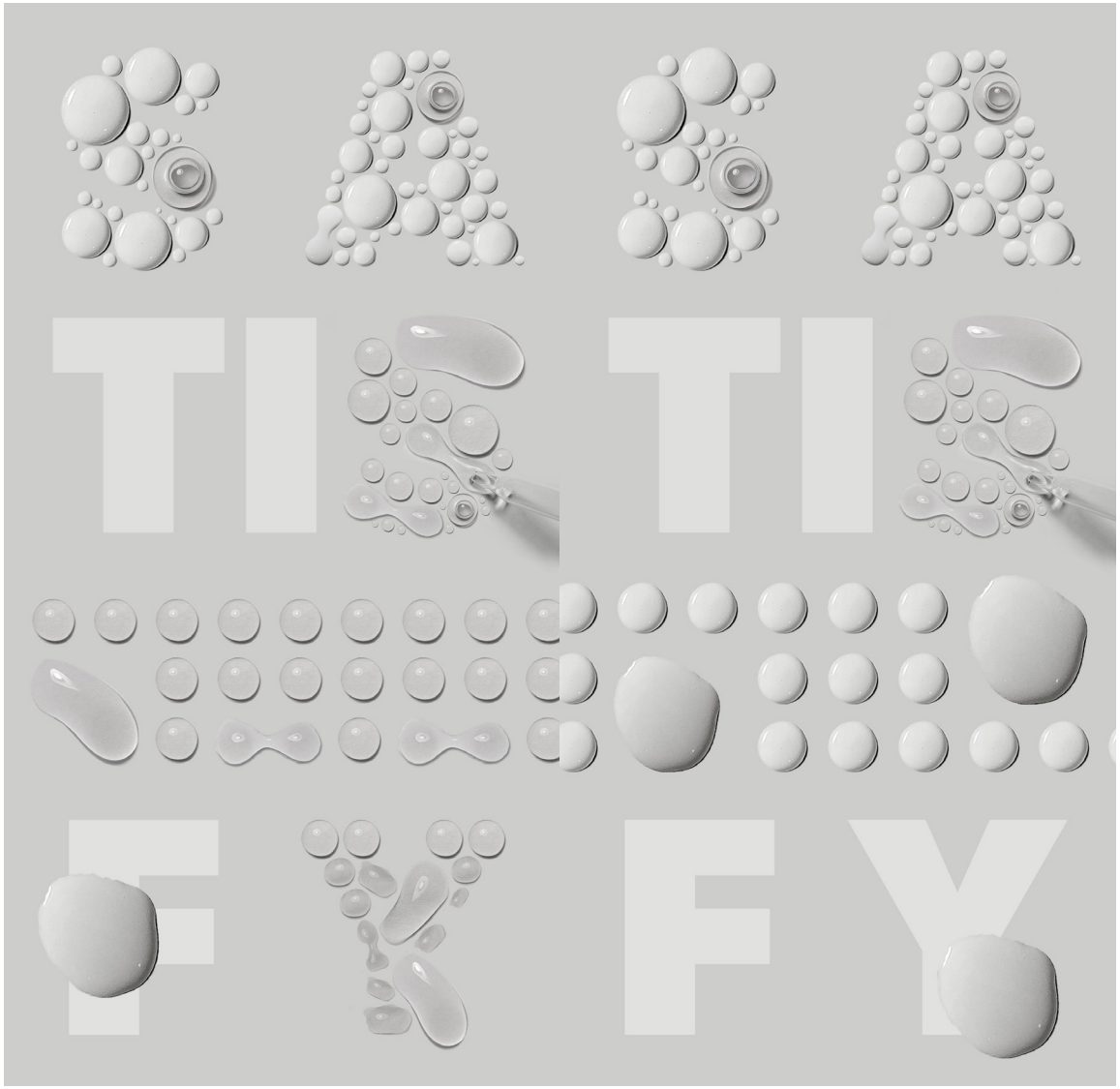
The vibration from massage gun on the paper will give water drops different textures.



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

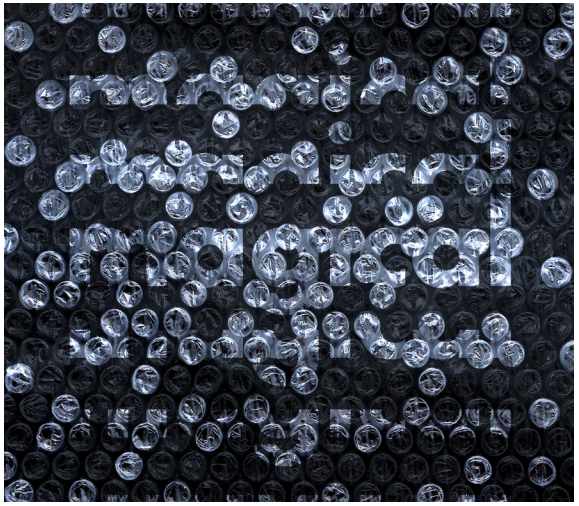
Satisfy

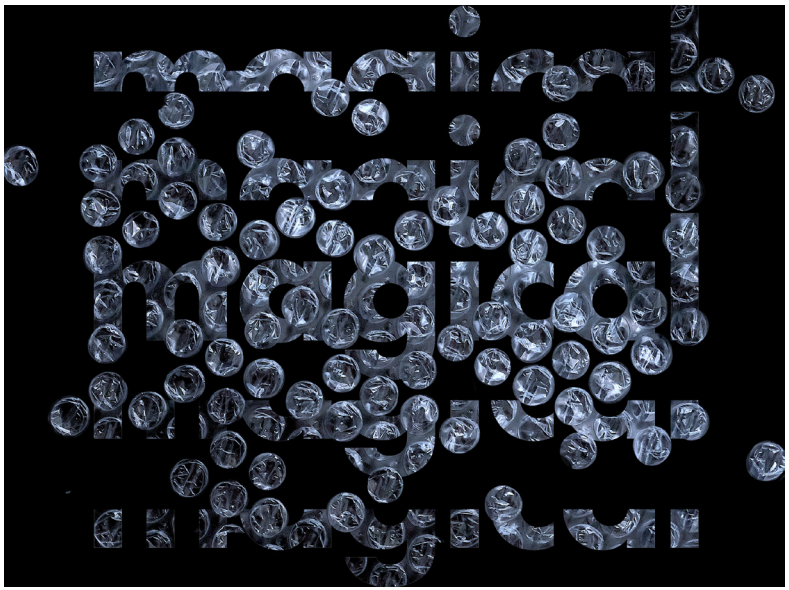


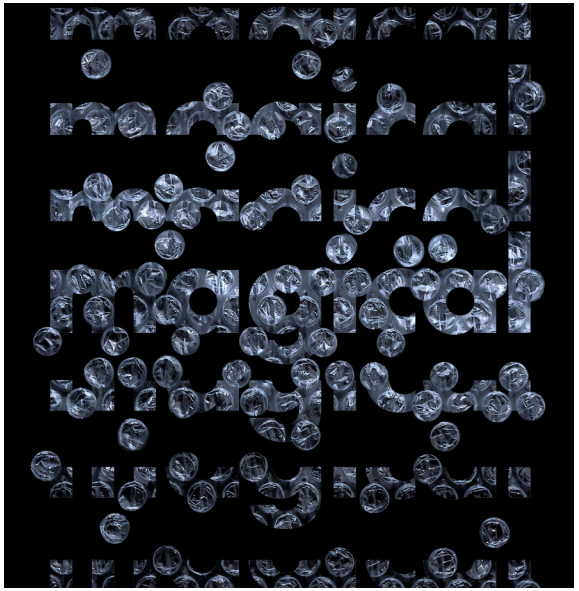
03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

Magical



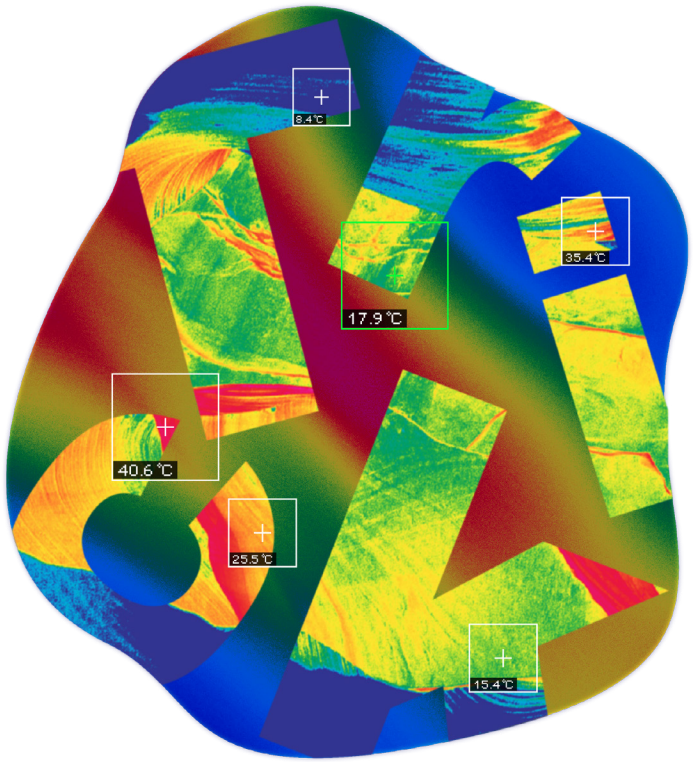


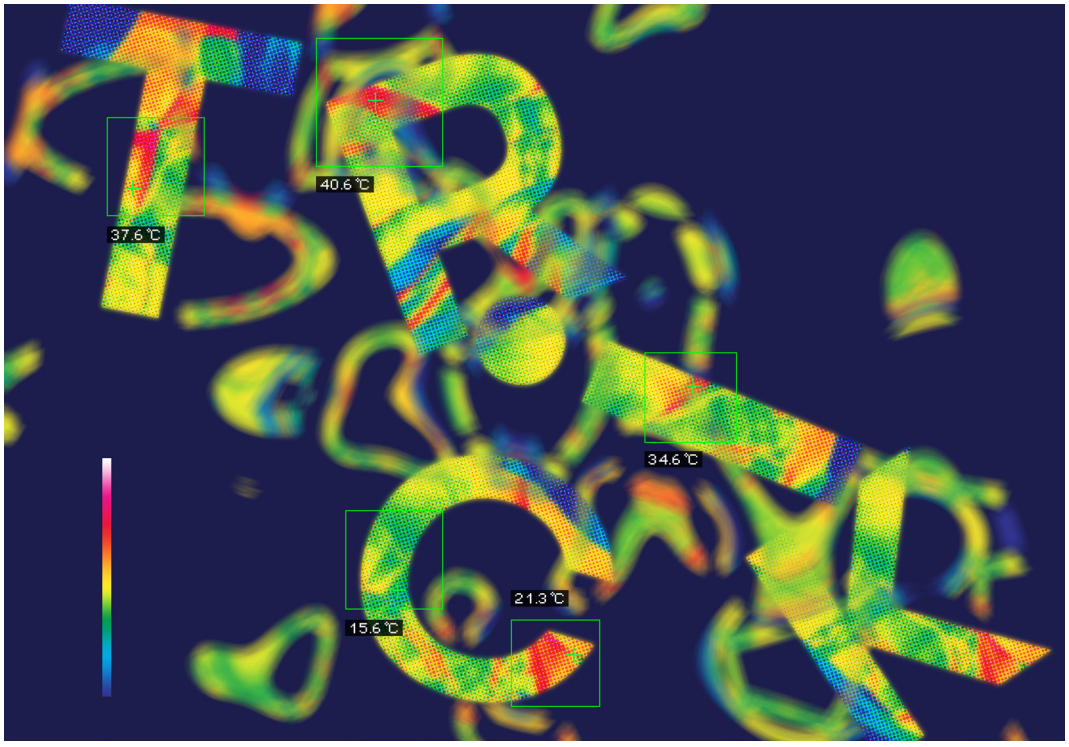


03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

Trick

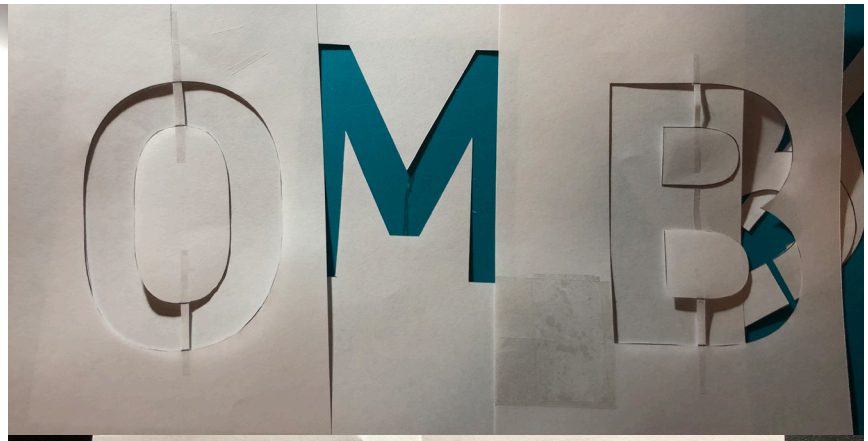


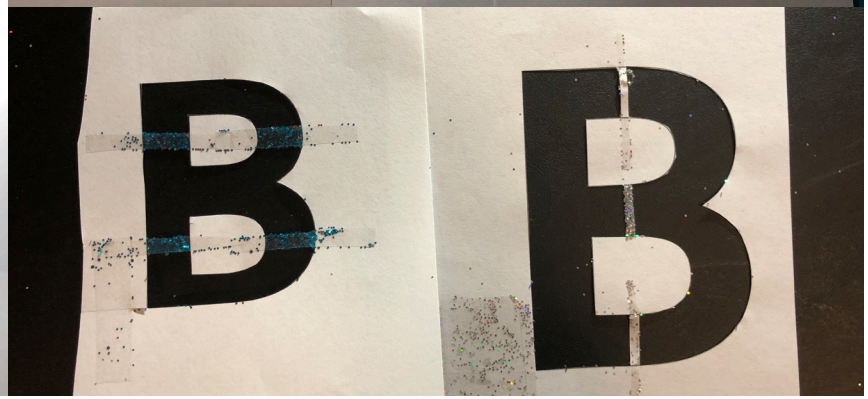


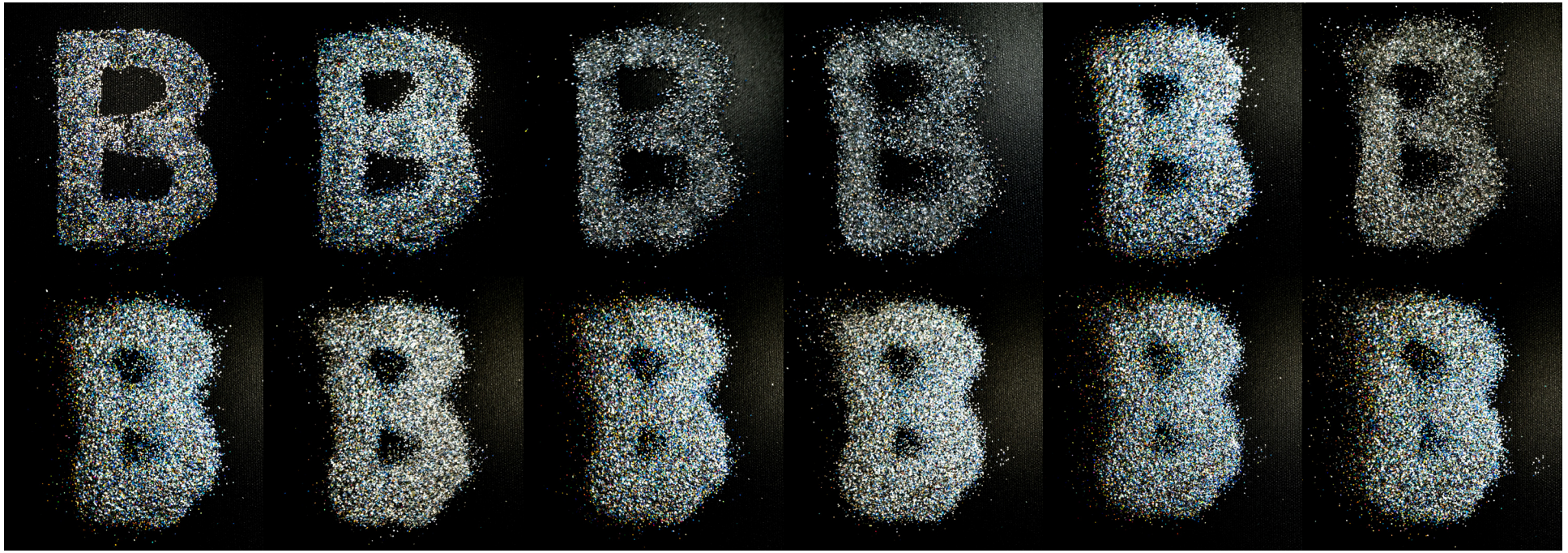
03 IMAGE COLLECTING WITH TYPE

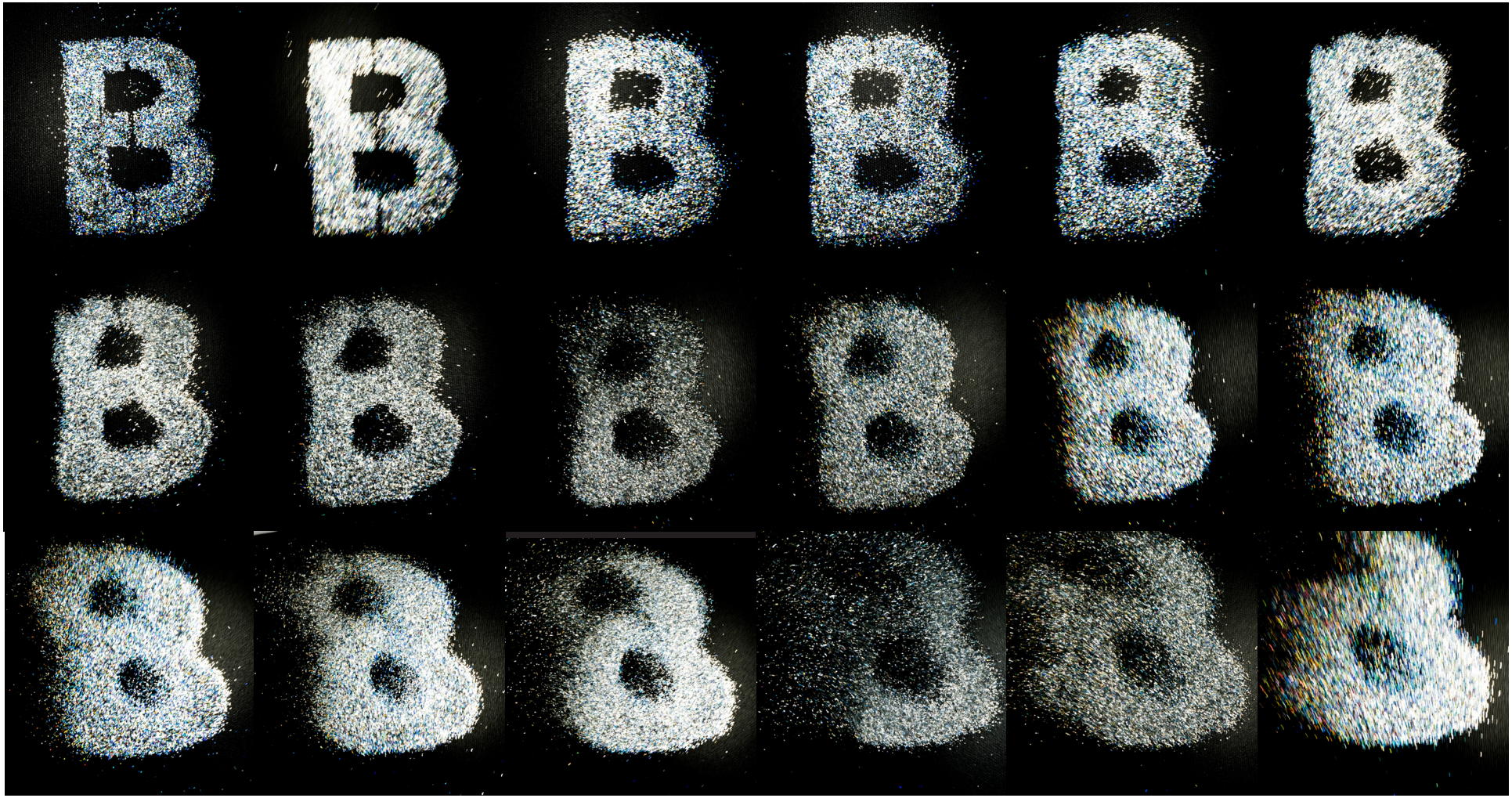
EXPERIMENT 02 - FURTHER EXPLORATION

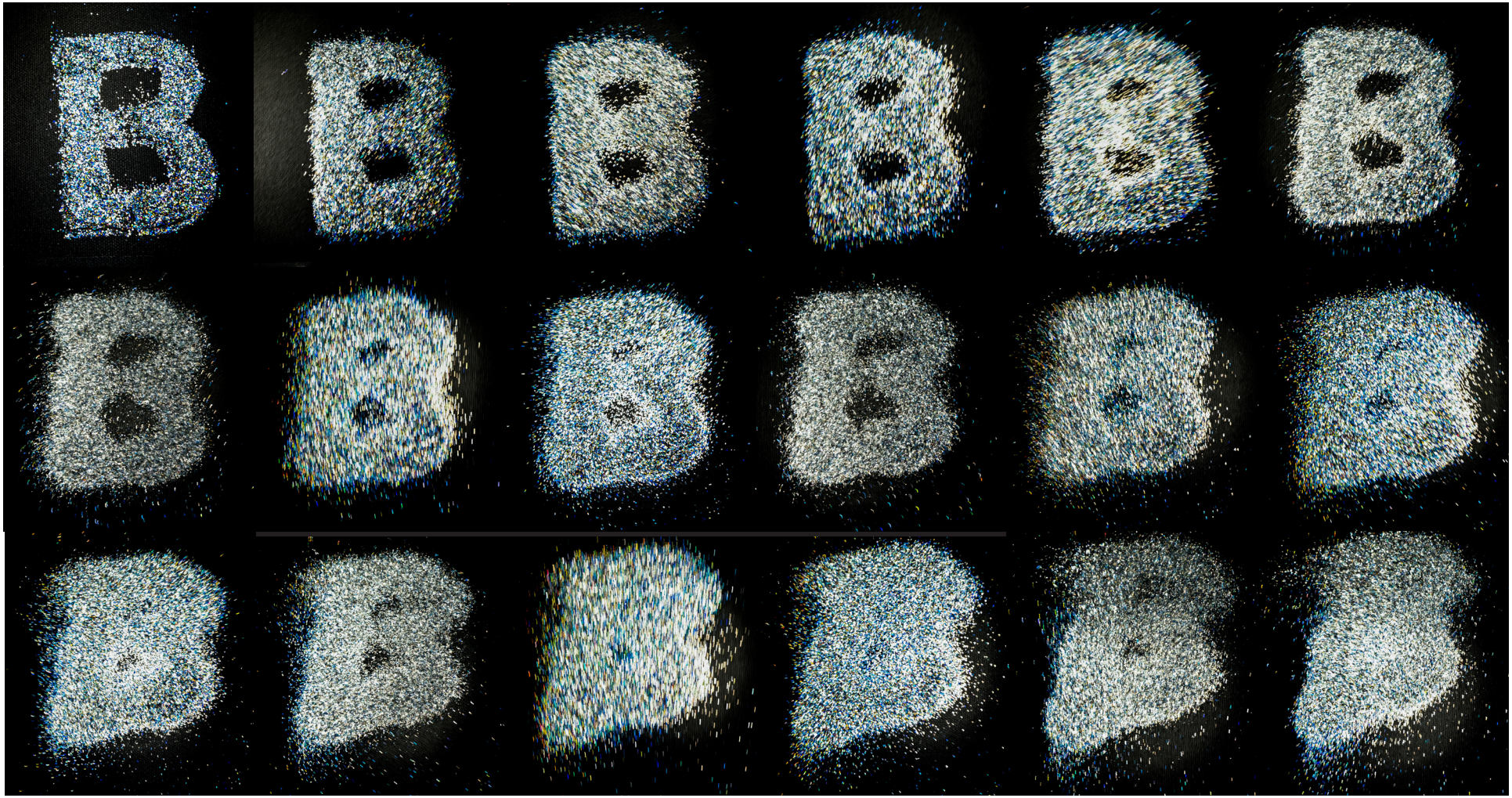
To have more glitters in the letter, I cut out bigger molds for the further experiments. It allows me to capture more specific details of the glitter.

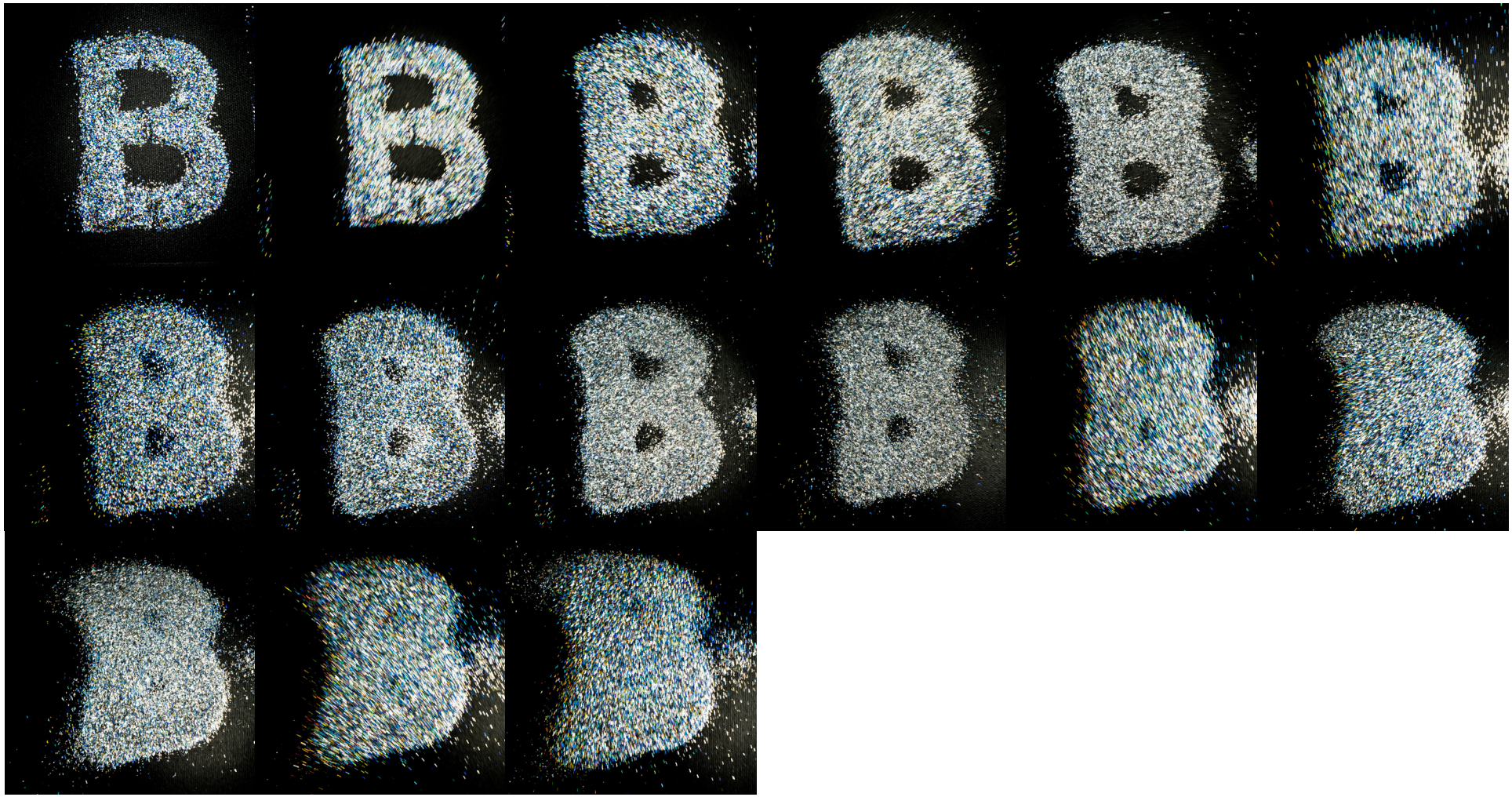


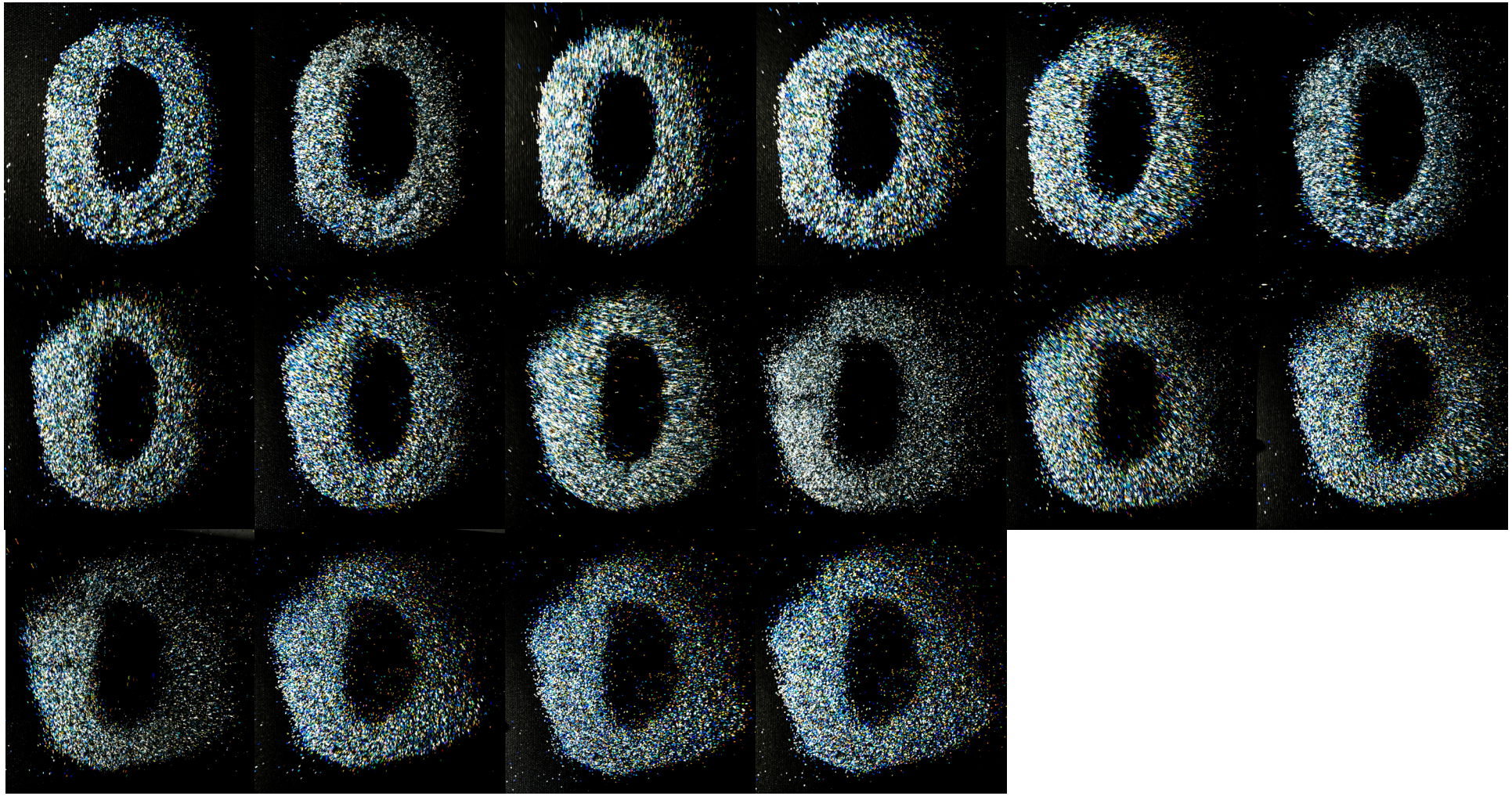








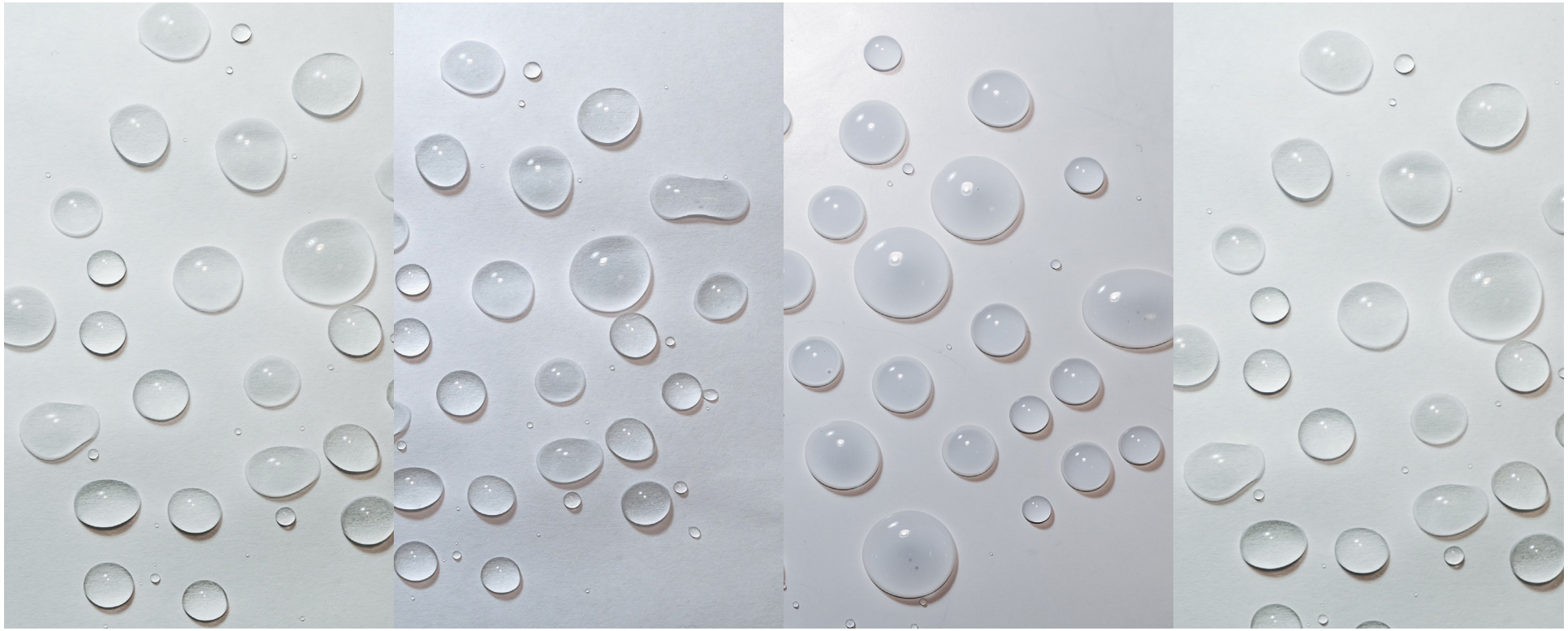




B B B B B B
M M M M M M
M M M M M M

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION



03 IMAGE COLLECTING WITH TYPE

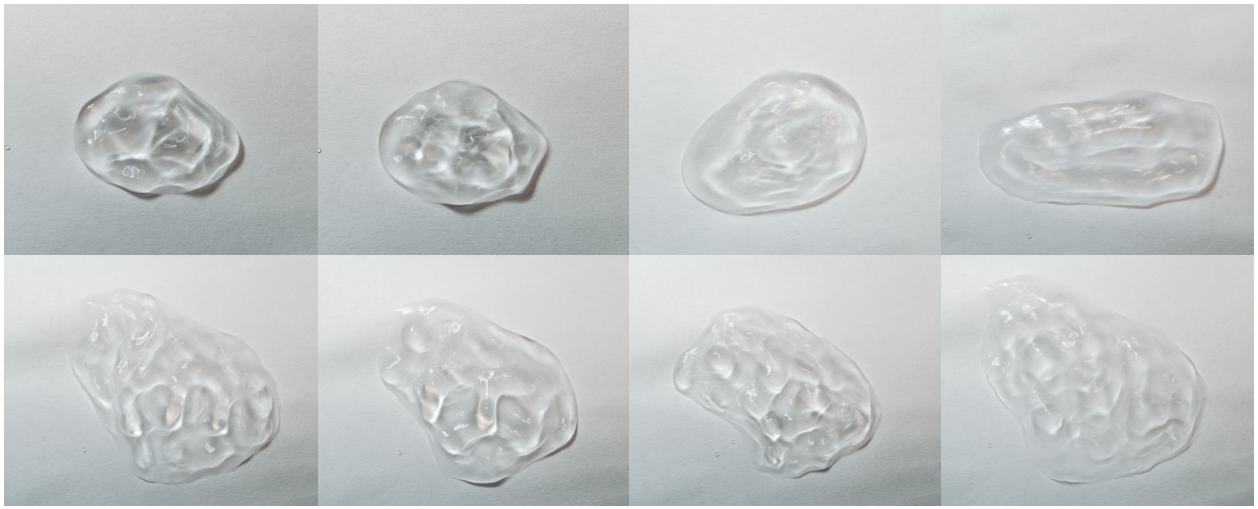
EXPERIMENT 02 - FURTHER EXPLORATION

Satisfy

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

I tried to have stronger vibration on the paper and created different visual textures.



03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

Satisfy

03 IMAGE COLLECTING WITH TYPE

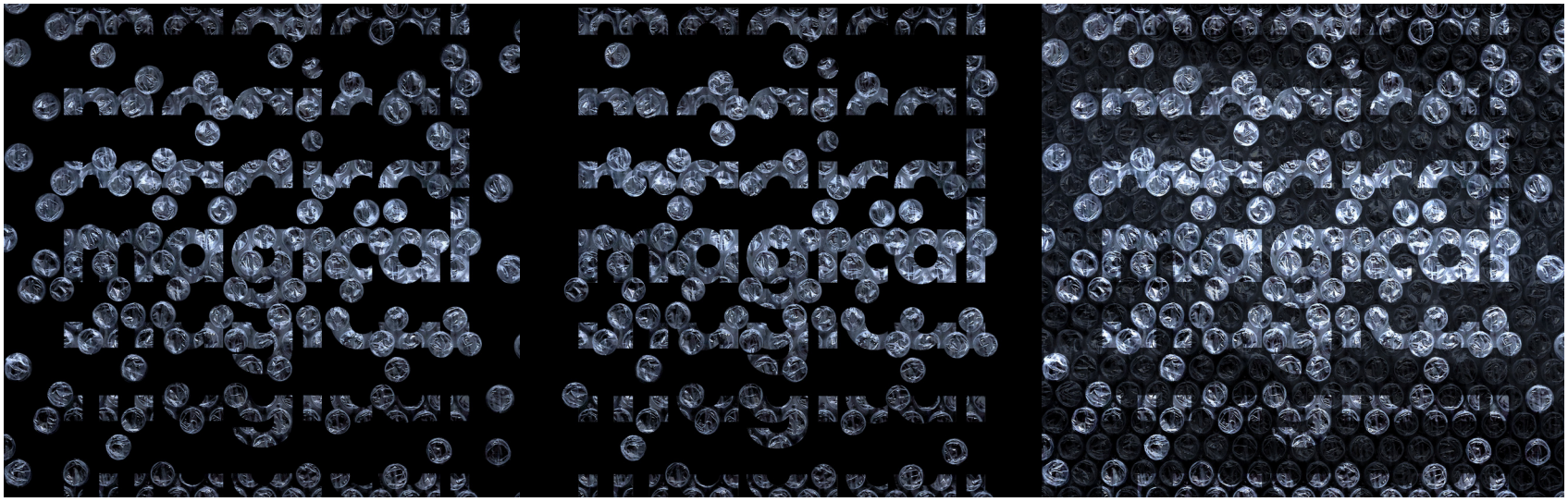
EXPERIMENT 02 - FURTHER EXPLORATION

Trick

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FURTHER EXPLORATION

Magical

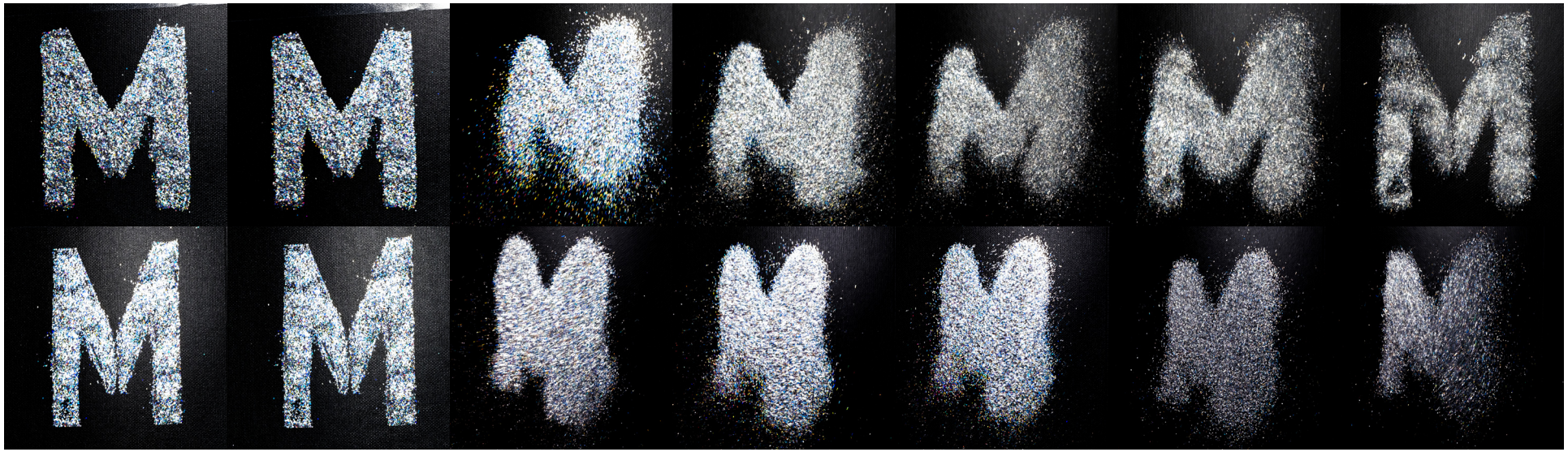


03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FINAL EXPERIMENT

03 IMAGE COLLECTING WITH TYPE

EXPERIMENT 02 - FINAL EXPERIMENT



03 IMAGE COLLECTING WITH TYPE

FINAL OUTCOME

Bomb

03 IMAGE COLLECTING WITH TYPE

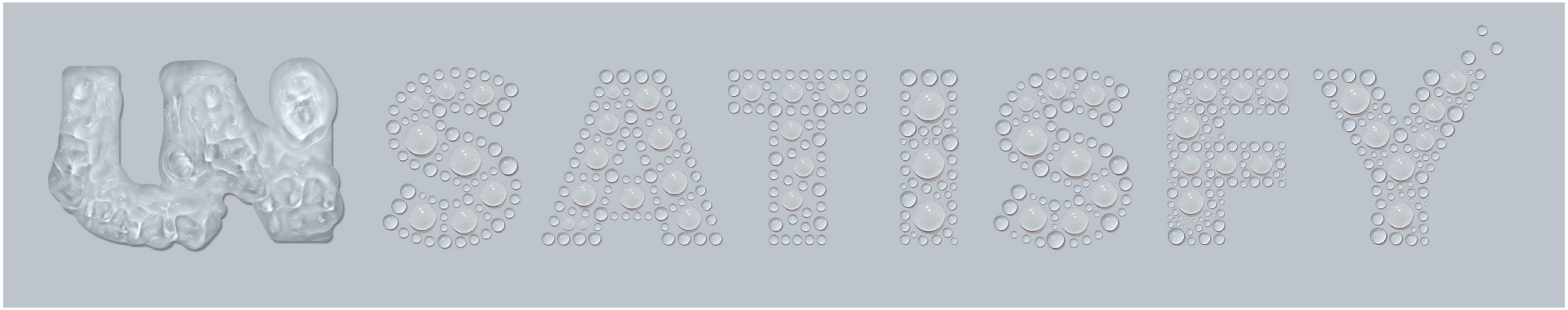
FINAL OUTCOME

Bomb

03 IMAGE COLLECTING WITH TYPE

FINAL OUTCOME

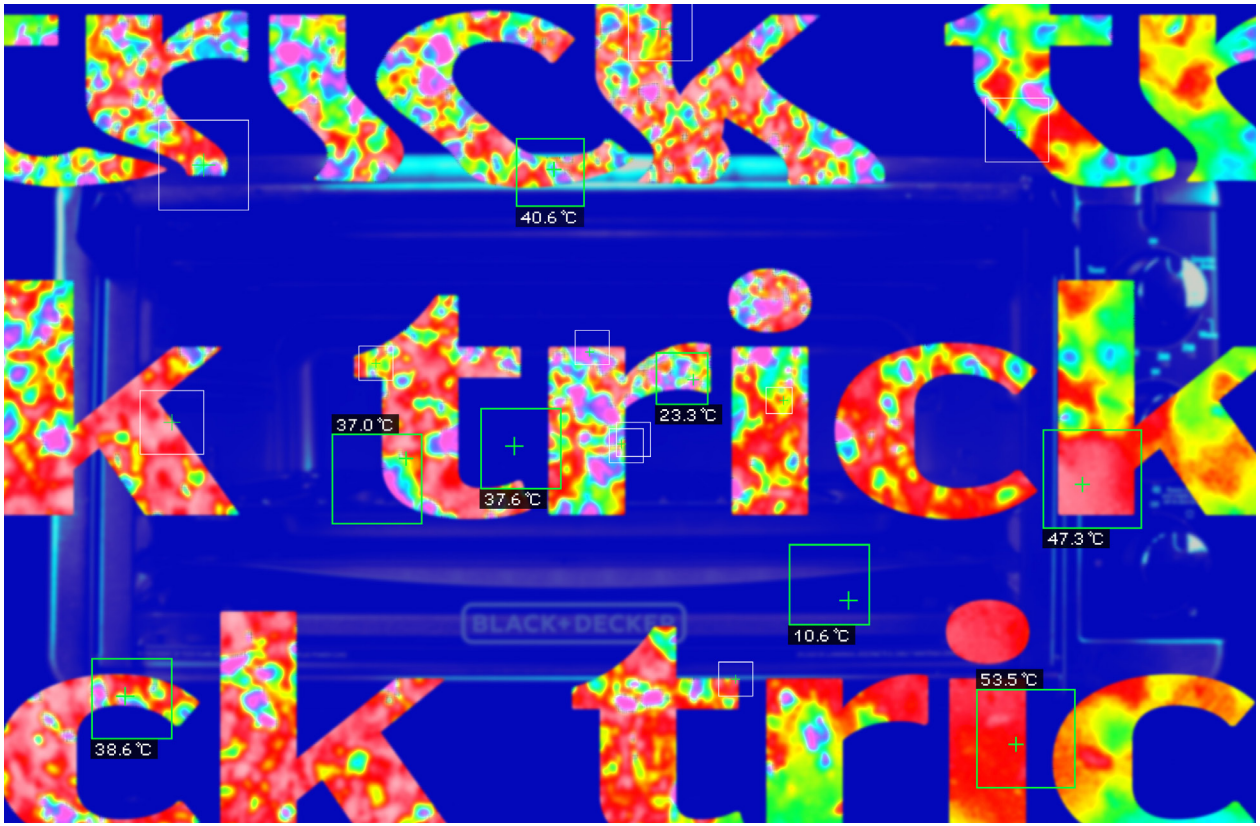
Unsatisfy



03 IMAGE COLLECTING WITH TYPE

FINAL OUTCOME

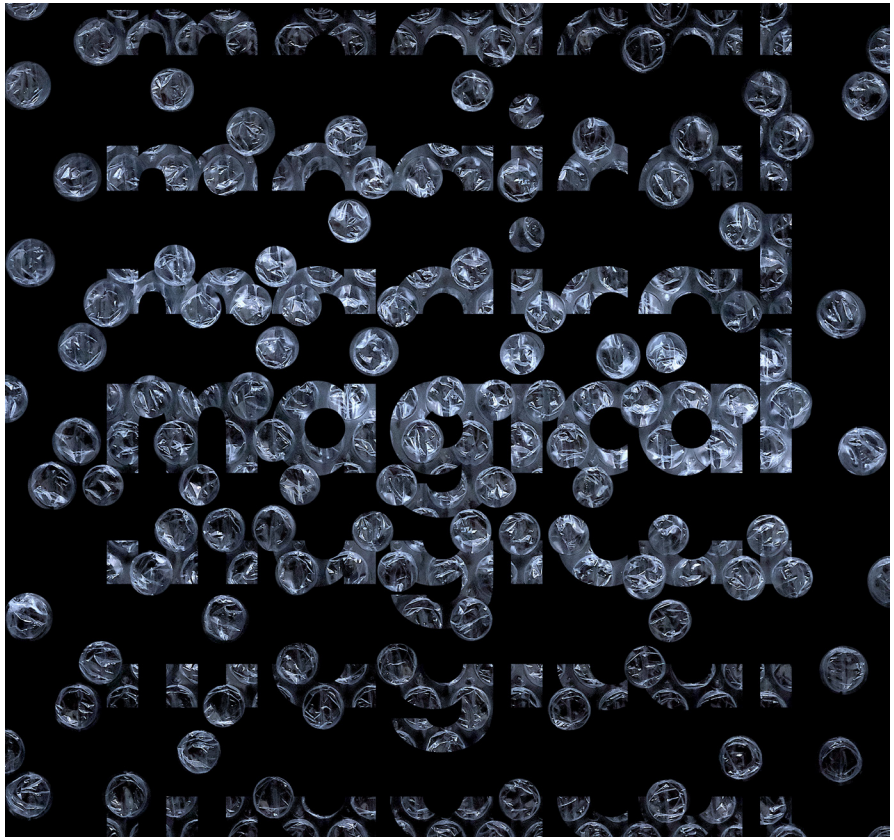
Trick



03 IMAGE COLLECTING WITH TYPE

FINAL OUTCOME

Magical



04 NEWSPAPER DESIGN

NEWSPAPER GRID SYSTEM 01

technique

LIFE

Forbes 30 Under 30 p8

ENTERTAINMENT

AMGYDALA @Ferst p10

April 16, 2021 • Volume 106, Issue 25 • nique.net

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CHEERLEADING CONFERENCE CHAMPIONS

SPORTS

ANDY BORST
STAFF WRITER

As the semester comes to an end, the Tech cheerleaders recently secured their first annual ACC national championship, an experiment which initially arose as a direct result of the pandemic.

"When COVID shut us down, all of the cheer and dance coaches of the ACC got together online about every two weeks," said Daniel Nester, head coach for the Georgia Tech cheerleading program. "Initially it was just a check in to see how everyone was doing, but as we transitioned out of that role, we began to plan these championships."

The ACC is unique in being the only power five conference to host a championship for cheerleading, and it was largely brought on due to the pandemic.

"All the coaches were on board, kind of as a result of the pandemic. Nobody had anything going on, so we had all summer to really plan an event that a lot of us have wanted to do for a while," said Nester.

Coming back from almost six months off in the fall, perhaps the longest break in training the team has ever had, and with the pandemic still raging on, the coaching staff made the decision to focus primarily on strength and conditioning training.

While the pandemic scaled back previously everyday activities, this didn't stop the team from not only performing at the highest level, but also developing the championship culture that is important to a cohesively performing at maximum potential.

"With cheer being a close contact sport, we never really had full clearance to be able to practice exactly how we used to," said Carly Wood, fourth-year AE.

See CHEER, page 15

Top L: Photo courtesy of news.gatech.edu. Top R: Photo courtesy of Matt Wharton. Above: Photo courtesy of Georgia Tech Cheerleading

NEWS

Technique interviews grad SGA leadership

SOPHIA ABEDI
CONTRIBUTING WRITER

The *Technique* recently sat down for a (virtual) interview with the newly elected graduate SGA president and vice president, discussing their goals and ambitions for the upcoming year.

Technique: Tell us a little bit about yourselves and why you chose to join graduate SGA.

Eick: Hello, I'm Stephen Eick, and I am a third-year PhD student studying computer science here at Tech. I have been involved with graduate SGA for a year and a half and have participated in constitutional revision and other committees on SGA.

I wanted to run for the position of president because, having served as a member of the graduate student senate, I have seen that there is an immense amount of good that SGA can do across campus and has done on campus.

I want to be able to help build positive experiences for our graduate community both in events as well as efforts to improve the mental health of our students.

Jarquin: Hi, I'm PJ Jarquin, and I'm a third-year PhD student studying biomedical engineering. I got involved in graduate SGA as the VP of campus services this past year and was involved in SGA as an undergraduate.

SGA has a vital role on campus, and for me, it has proven to be the best avenue to make a positive change on campus.

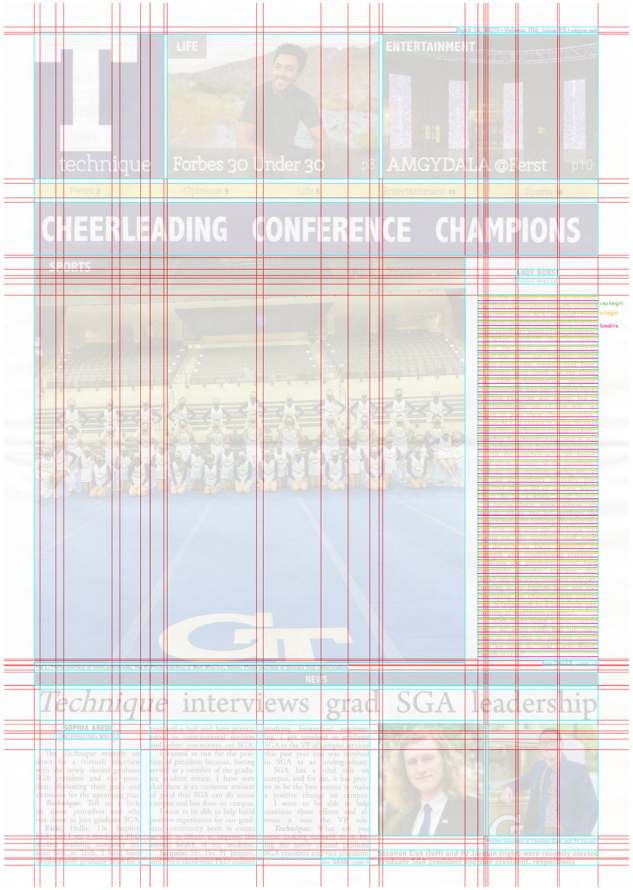
I want to be able to help continue these efforts and elevate it into the VP role.

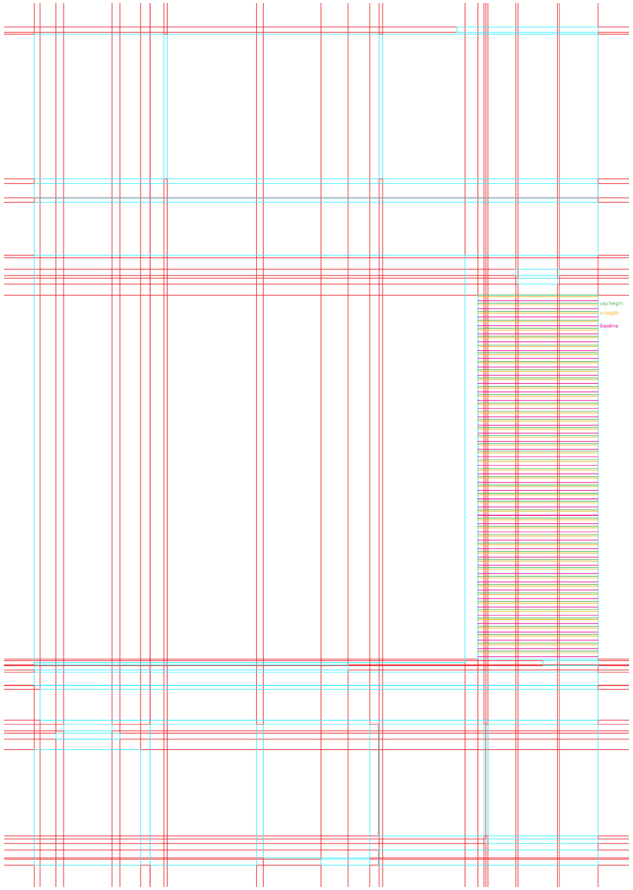
Technique: What are you most looking forward to in being the newly elected graduate SGA president and vice president?

See GRAD, page 4

Photos courtesy of Stephen Eick and PJ Jarquin

Stephen Eick (left) and PJ Jarquin (right) were recently elected graduate SGA president and vice president, respectively.





04 NEWSPAPER DESIGN

NEWSPAPER GRID SYSTEM 02

Sports

SPORTS EDITOR: Jack Purdy
ASSISTANT SPORTS EDITOR: Will Fuss
sports@nique.net

Cheer win national title
Tech's cheer team comes out on top at national competition ▸15

technique 16 Friday, April 16, 2021

Nicole Fegans rewrites Tech record books

KATHRYN HIGINBOTHAM
CONTRIBUTING WRITER

This past weekend at the Crimson Tide Invitational, Nicole Fegans lost her shoe after being tripped with two laps left in the 1500m. Fegans finished the race, placed second, and broke Tech's 19-year-old school record for the women's 1500 with a time of 4:18.95.

That bears repetition: Nicole Fegans' shoe fell off partway through her race, and she didn't just keep running and finish, she placed second and broke a school record.

Fegans said that even continuing that race was a split-second decision, one that certainly paid off: "I was coming around the curve by the 600m mark, got tripped up/pushed and realized my shoe was half hanging off and had to kick it off. I had a split-second thought of whether or not I wanted to drop out, because I knew I had a pretty good excuse if I did, but I knew I'd rather run a bad race with no shoe then drop out because I didn't want to push through a race that didn't go as planned."

At this point in her athletic career though, Fegans's performance last weekend is almost par for the course. It was the fourth time this year alone that she set a school record and is only a single example of her enormous contributions to the women's track and cross country team.

Fegans, a fourth-year business administration major, holds a total of six school records for track: the indoor 5k (16:06.50), indoor mile (4:41.33), indoor 3k (9:06.92), the outdoor 1500m (4:18.95), outdoor 5k (15:57.16) and outdoor 4x1500 relay (18:15.33), along with three other runners in that event. Fegans set four of those records — the indoor 5k, the indoor mile, the outdoor 1500m and the outdoor 5k — within the past academic year. Her most recent indoor mile represents her third time breaking that particular school record.

Fegans said that the support of her family and her own internal motivation are among the most significant driving forces for her will to continue improving and achieving as an athlete: "One of the things that drives me is my parents. They have done so much to get me where I am today and it makes me want to keep pushing to be the best I can be - both on and off the track. The other thing that drives me as an athlete is the desire to keep getting better and better. Coming in to Georgia Tech, I remember thinking about the chance of getting a school record and thinking it would never be possible. It still shocks me at how much I have improved over the years and how the goals I never thought I could achieve, I've surpassed by a lot."

This past fall, Fegans led the women's cross country team to second place at ACC Championships, an all-time best finish for the team. She placed 9th overall and earned All-ACC honors for her performance. Then the women's team achieved their best finish in school history at NCAA Nationals when they placed 20th, with Fegans placing 12th overall, the second-best individual performance at NCAAs in Tech history. She was honored as a first-team All-American for her effort, making her the third woman distance runner named All-American at Tech.

In addition to her first-team All-American honors for cross country, Fegans has also been acknowledged with second-team All-American honors this year for

See FEGANS, page 15

Photo courtesy of GTAA

Fegans, setting Tech's women's outdoor 5k record here, has been setting records since last year. She has reset the indoor mile record alone three times during her time at the Institute.

Plenty of talent to be displayed at spring game

RISH DESAI
STAFF WRITER

For fans, spring football is the first glimpse into the strides the team has made since the end of the season. It also serves a sneak peek into the potential for the upcoming season. Spring football is the time where some questions start being answered, and new questions begin to form. Although this year's game taking place on April 23rd will not solidify all conclusions, it will provide a closer look into three main areas: growth from returning players, outlook for the new transfers, and scheme fit for the new signees.

Tech is bringing back several key players on both sides of the ball. Last season on the offensive side, the true freshman tandem of Jeff Sims and Jahmyr Gibbs demonstrated great promise for what the offense can become. There is much anticipation for the level of improvement they have made through the offseason. After having one season under his belt and the offseason, one area to watch will be how Sims and the offense have evolved. Additionally, the offensive line's leader Ryan Johnson will be returning. He was the anchor for the offense and will look to be an integral part of a strong offensive line.

On the defensive side, defensive back Tariq Carpenter headlines the list of returnees. One of the biggest areas where the Jackets are looking to improve from a defensive standpoint is the secondary. Carpenter started every game and was able to consistently make impact plays. He will be an important leader as he looks to improve himself, mentor those around him and rebuild the position group. The spring game provides an opportunity to see the impact of him staying an extra year.

In addition to the returning players, Tech made some big moves through the transfer portal to improve their roster. An important transfer was kicker Brent Cimaglia from Tennessee. He was one of the top kickers available in the transfer portal. Last year, Tech opted to go for it on fourth down in many instances because of their level of instability at the position. The impact of Cimaglia can change the decision making of the team in times of going for it versus kicking the field goal. Cimaglia is not enrolled just yet, but he will be eligible come the fall season.

Another area where the team looks to improve is the big play ability through the air. Last year, wide receiver Jalen Camp was the leading receiver, but he is taking his talents to the NFL. For the wide receivers, Tech landed Kyric McGowan from Northwestern. McGowan was listed as one of the top receivers in the transfer portal. He will be looking to make an immediate impact and be a consistent receiver for Sims.

Defensively, Tech added a couple of the top defensive ends from the transfer portal, including Makius Scott and Keion White. Last season, Tech struggled to stop the run, but they have greatly improved this area by bringing in some top defensive ends. Fans have much to be excited for as they will see plenty of new talent suiting up for the Jackets for the first time after a busy offseason. Not only did Tech improve their roster through the transfer portal, but they also added some top tier talent through new signees. Many of the top players from the class of 2021 will join the team beginning the summer, but many have already enrolled.

There are a wide range of positions represented in the new enrollees, including two standout offensive linemen to watch, Weston Franklin and Jakiah Leftwich. They will both be important in helping Gibbs and Sims take the offense to their full potential.

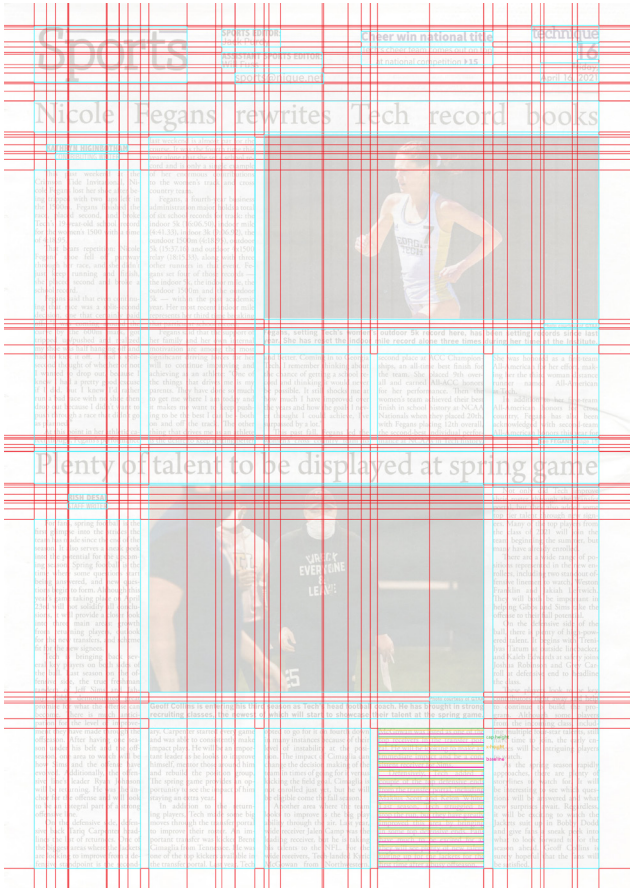
On the defensive side of the ball, there is plenty of high-powered talent. It begins with Trenilyas Tarum at outside linebacker, and Kaleb Edwards at safety joins Joshua Robinson and Grey Carroll at defensive end to headline the class.

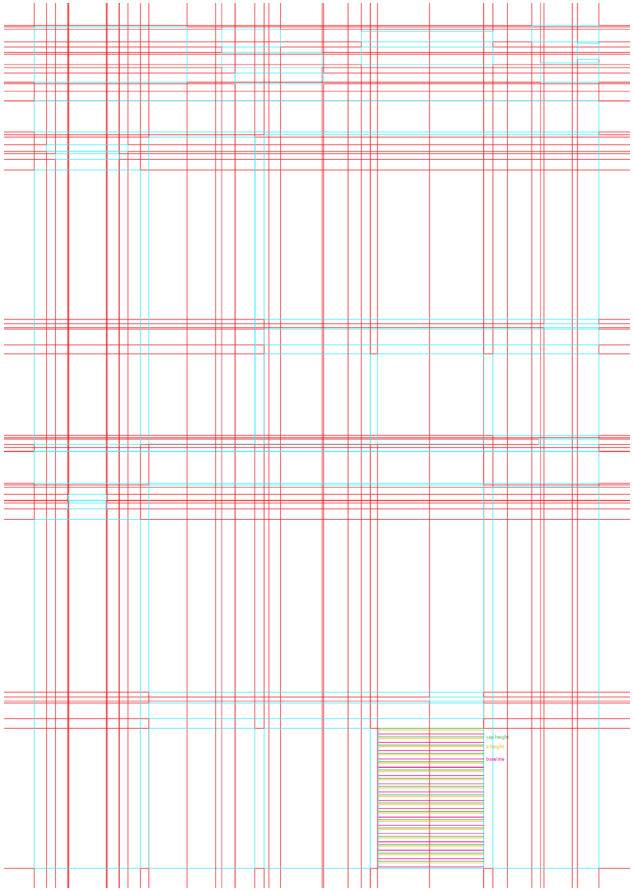
These players look to be key contributors right away and help to continue to build the program. Although some players from the incoming class, including multiple four-star talents, still have time to join, the early enrollees will be intriguing players to watch.

As the spring season rapidly approaches, there are plenty of storylines to watch for. It will be interesting to see which questions will be answered and what new surprises await. Regardless, it will be exciting to watch the Jackets suit up in Bobby Dodd and give fans a sneak peek into what to look forward to for the season ahead. Geoff Collins is surely hopeful that the fans will be satisfied.

Photo courtesy of GTAA

Geoff Collins is entering his third season as Tech's head football coach. He has brought in strong recruiting classes, the newest of which will start to showcase their talent at the spring game.





04 NEWSPAPER DESIGN

NEWSPAPER GRID SYSTEM 03

Life

LIFE EDITOR: Hope Williams
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Vaccine requirements
Students discuss the possibility of requiring a COVID-19 vaccine for all students and faulty for a return to campus in fall ▸9

technique 8 Friday, April 16, 2021

Forbes 30 Under 30 features alumni, students

SOPHIA TONE
STAFF WRITER

This year, eight people associated with the Institute were featured in Forbes Magazine's annual 30 Under 30 List. The compilation highlights 600 young entrepreneurs, activists, scientists and entertainers. According to Forbes, collectively the "trailblazers have raised over $1 billion in venture funding and are proof positive that ambition and innovation can't be quarantined."

Among the featured innovators is Diyi Yang, 29, an assistant professor in the School of Interactive Computing.

She is also affiliated with the Machine Learning Center and is recognized by Forbes for her work combining linguistics, social sciences and machine learning. Through this interaction, she has found ways to use computers to better social problems, such as online harassment.

She leads Tech's Social and Language Technologies lab, where her team researches human language to improve communication between humans and machines. Yang got her Ph.D. at Carnegie Mellon and her bachelor's degree at Shanghai Jiao Tong University.

According to her interview with Forbes, one app she cannot live without is WeChat and her dream mentee is former first-lady Michelle Obama.

Second among the Institute's community to be featured is Naia Butler-Craig, a 23 year-old aerospace engineering Ph.D. candidate. She is also a NASA Space Technology Graduate Research fellow in the High-Power Propulsion Lab and a speaker for diversity in STEM.

In addition, Butler-Craig advises underserved students on resources they might need to pursue aerospace through her personal website, where she hosts an open forum.

"There is a general lack of informational resources available to under-represented students," said Butler-Craig about the hardships of exclusive academia in an interview with A.E.

This semester, she is working on a stand-alone cathode test in the lab. "I wouldn't be able to do what I do if I thought failure defined me. I think of failures as stepping stones to success," said Butler-Craig when asked about the possibility of failure and how she gets around this fear.

She can not live without Outlook (a resource Tech students know perhaps too well) and would love to be mentored by Dr. Mae Jemison, who was the first Black woman to travel to space.

Third on the Forbes list is Renji Bijoy, the 29 year-old Tech College of Computing (CoC) alumni and founder of Immersed, a company that engineers VR workspaces for remote teams.

His recent addition to the Forbes list under the Consumer Technology category has given renewed confidence to his company's investors, as proven by their recently earned 3.5 million dollars in venture capital funding.

"At Georgia Tech, I was surrounded by brilliant engineers that really loved their craft," said Bijoy to CoC about his inspiration for the company.

He credits Tech's talented community for his drive to take Immersed to new heights.

Bijoy shared that Immersed wants to fundamentally change the way society goes to work, which the company will likely be able to do as remote workforces become more commonplace.

Currently living in Austin, Bijoy shared that he can't live without Google Calendar and that his dream mentor is Elon Musk.

Anhong Guo, a 28-year old assistant professor at the University of Michigan and alumnus of the Human-Computer Interaction program at Georgia Tech, is also featured on the list.

"So much about my current research career is informed by my experience working with a variety of people while I was at Georgia Tech," Guo said to CoC. "The next thing I'd like to accomplish is to continue to make the world more accessible."

At the Human-AI lab at the University of Michigan, Guo is trying to innovate low-cost ways to improve accessibility of visual information.

Two such innovations are touch screen overlays for the visually impaired and an AI-based camera that interprets the surrounding environment.

Guo can't live without the browser and would, like Bijoy, enjoy being mentored by Elon Musk.

Another bragging point is Jarvis Johnson, CS '14 and Youtuber who is listed under the Forbes Social Media category.

According to Forbes, Johnson worked as a software engineer at Yelp and Patreon before becoming a professional YouTuber.

Johnson first found YouTube at 14 and now has 1.4 million subscribers who watch his vlogs about entertainment, consumer technology and the internet.

He has covered everything from misinformation to Disney movies. He also hosts a podcast on mental health among youth called "Sad Boys."

He can't go without the Notes app on the iPhone and would like Donald Glover to one day be his mentor.

To read the full Forbes 30 Under 30 List and learn more about the additional three Tech alumni featured (Max Jordan Nguemeni Tiako, Leonard Robinson and Emily Parrish), visit **forbes.com**.

Photo courtesy of news.gatech.edu

Naia Butler-Craig, pictured above, is an aerospace engineering Ph.D. student who was featured, along with seven other Tech community members, in the Forbes 30 Under 30 list.

Making the most out of your summer plans

MAYA TORRES
ASSISTANT LIFE EDITOR

So maybe you did not land the perfect summer internship, or perhaps you are burnt out from taking 18 credit hours this semester.

While all of your friends will be living it up at GT Lorraine, you will be stuck at home, almost wishing for a hell week just to have something to do.

Just because you are not interning or taking classes this summer does not mean you can't have a fun, productive or even career-advancing summer.

Gear up for our guide on making the most of your time off.

GET THAT BREAD

NCR and Google are not the end-all be-all for summer jobs. Yes, having really cool work experience to add to your resume would be ideal. But here's a secret: internships are typically low-paying. Maybe working at a restaurant is not something you'd add to your LinkedIn, but tips add up and you can make up to several hundred dollars in a day just through your fakest, friendliest smile.

Retail jobs, such as Target, can pay around $15 a day. The chances of you working your way up the management chain in three months are low, but you'll be able to earn enough to supplement your summer shopping addiction.

GIVE BACK

Another thing to add to your resume is volunteer work. More importantly, your heart will be full from supporting your community. Find an organization or a cause you actually care about — your work will not be fulfilling unless it speaks to you. Then, email finding out how you can get involved.

Maybe you love puppies and want to work at a local shelter. Or if the outside is your jam, find an opportunity to clean up your favorite trail. Very few people will turn away free work, so the volunteering opportunities are endless.

FIND A NEW HOBBY

Walk into your favorite arts and crafts store, find a friendly face in uniform and simply ask "What is a fun new hobby for me to start?" Tell them a little about your interests, creativity and skill, and let them guide you towards a new beginning.

Crafting and DIYing can be a blast to take up time and make a few fun projects for you and your friends.

This same process can apply to a music store, where you can find a new instrument to learn or even the closest fitness studio, where you can start taking classes.

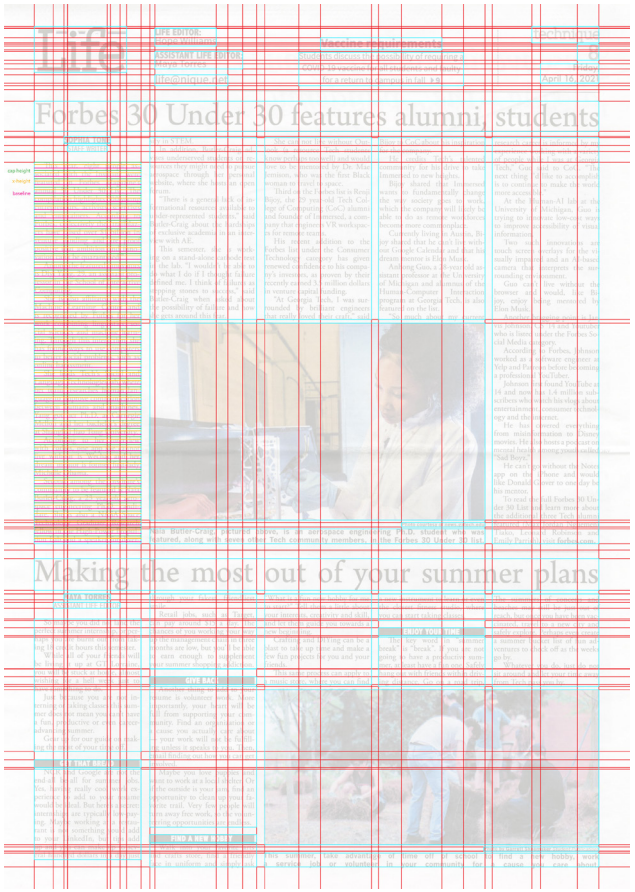
ENJOY YOUR TIME

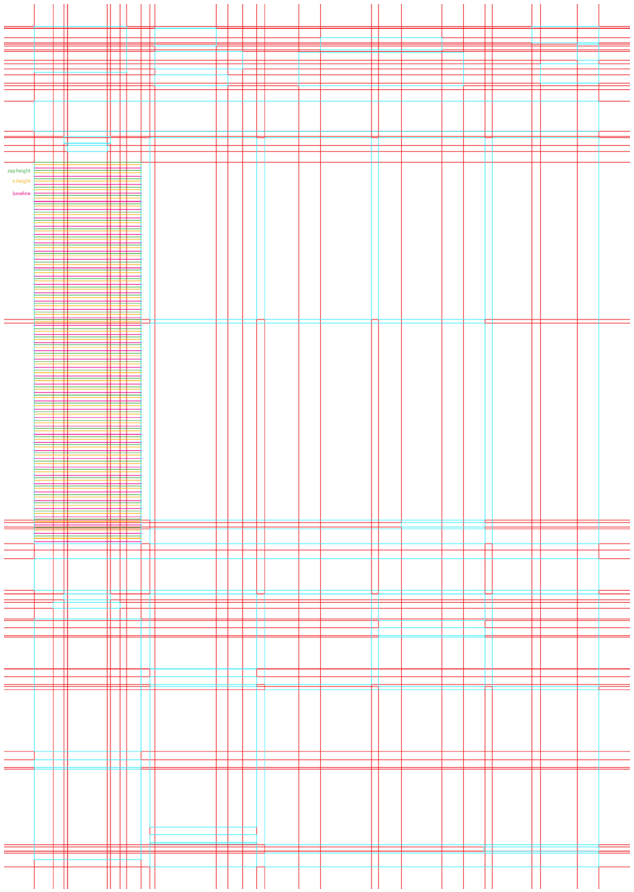
The key word in "summer break" is "break." If you are not going to have a productive summer, at least have a fun one. Safely hang out with friends within driving distance. Go on a road trip. The summers of concerts and beaches may still be just out of reach, but once you have been vaccinated, travel to a new city and safely explore. Perhaps even create a summer bucket list of fun adventures to check off as the weeks go by.

Whatever you do, just do not sit around and let your time away from Tech pass you by.

Photo by Garrett Shoemaker Student Publications

This summer, take advantage of time off of school to find a new hobby, work a service job or volunteer in your community for a cause you care about.





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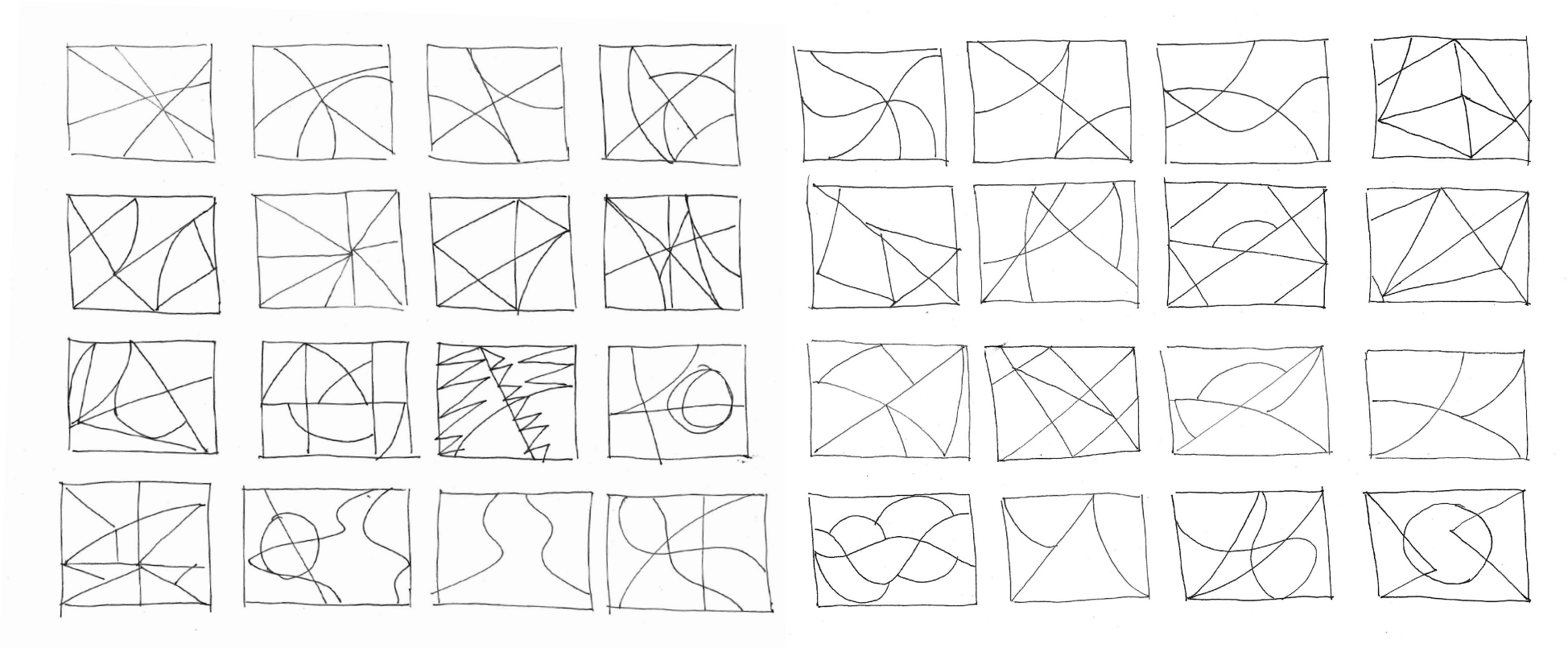

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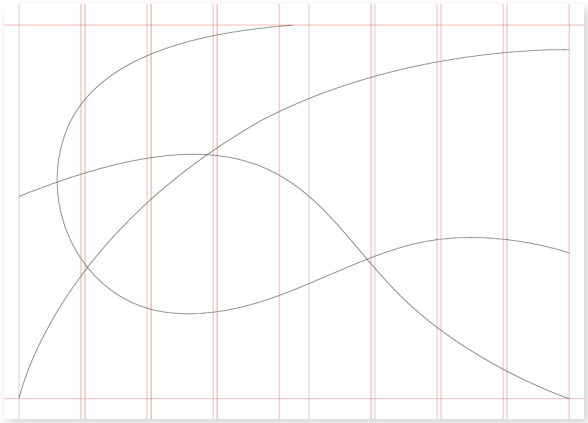

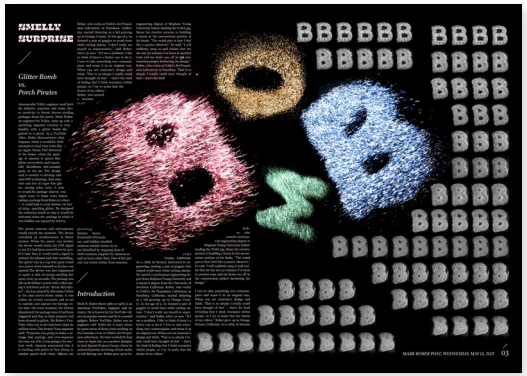

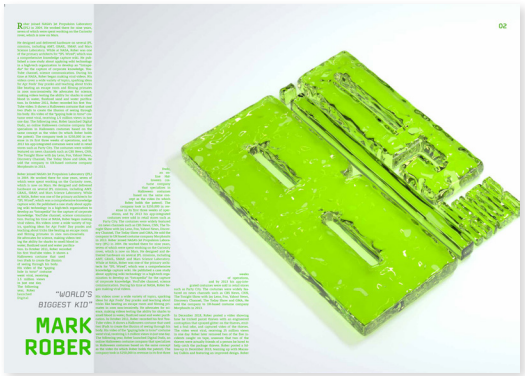

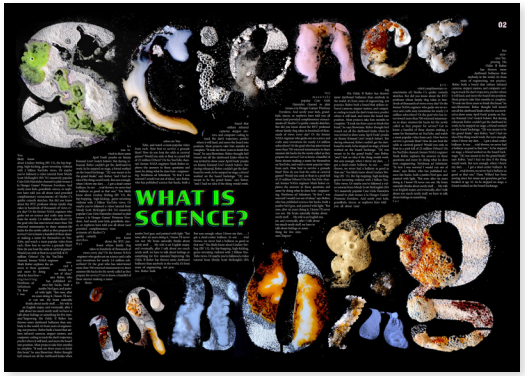

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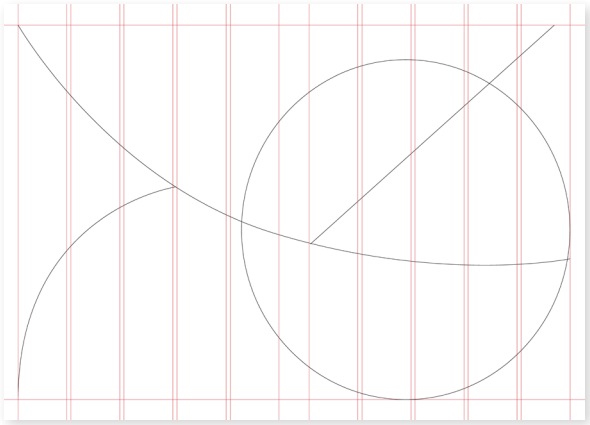

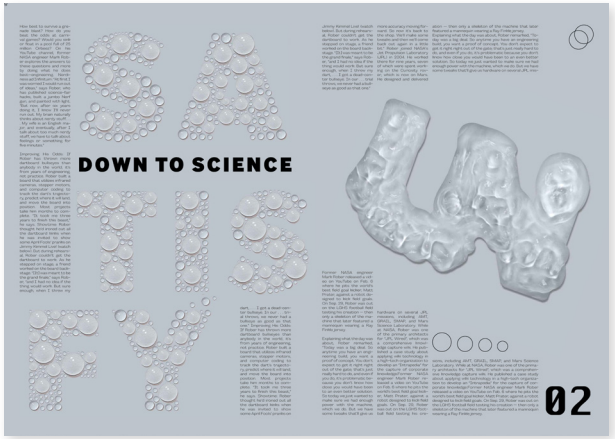

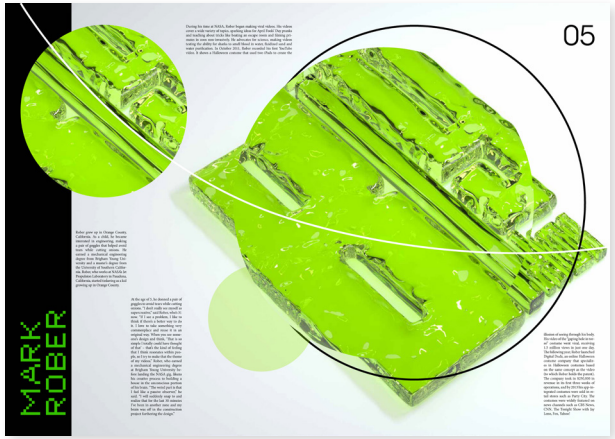

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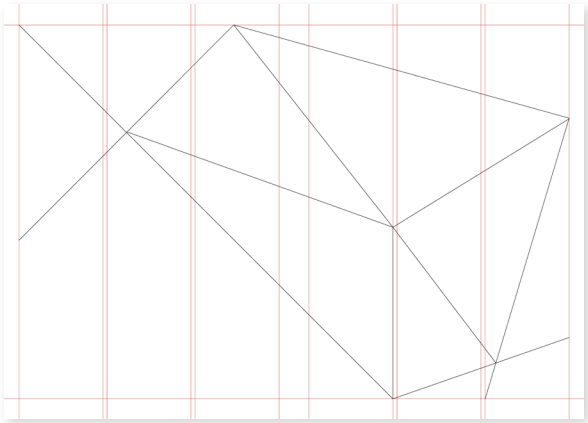

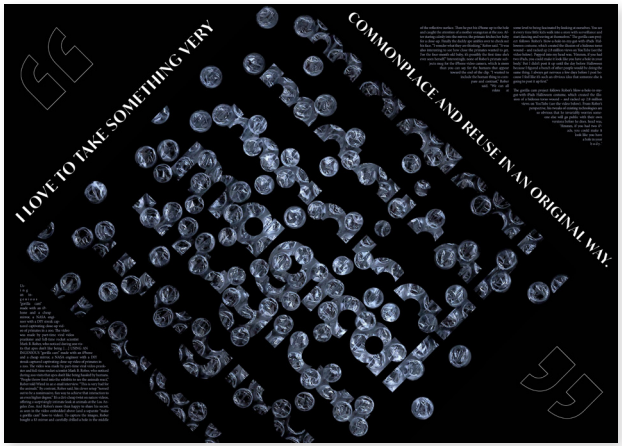

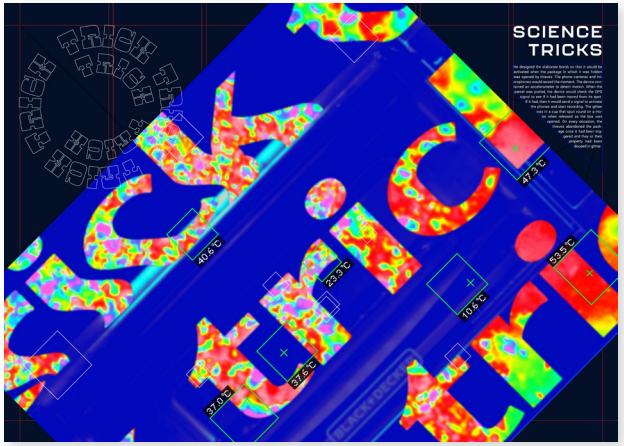

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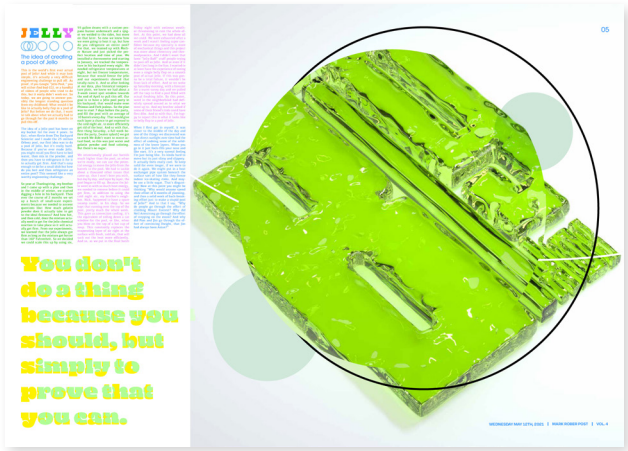

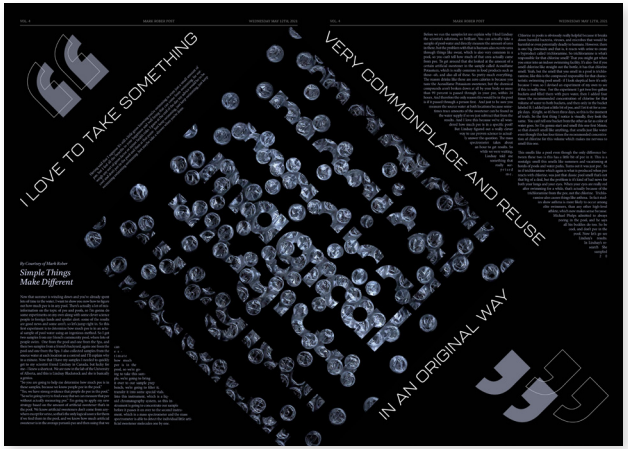

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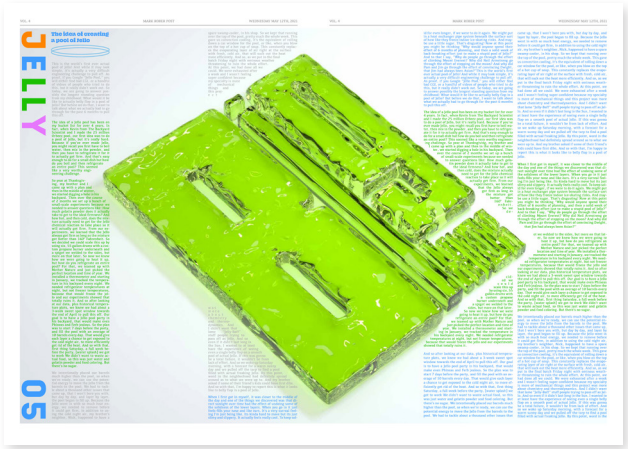

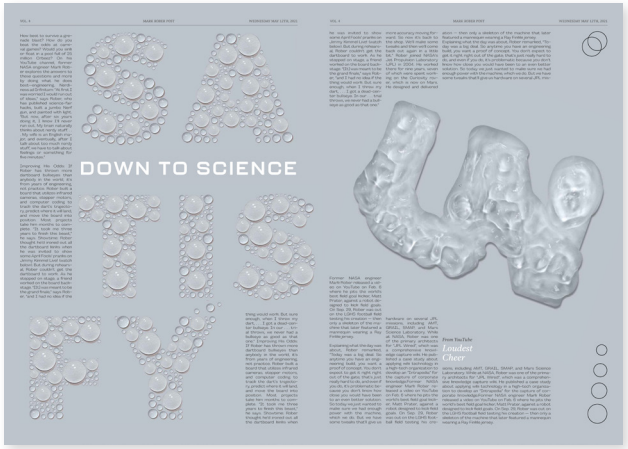

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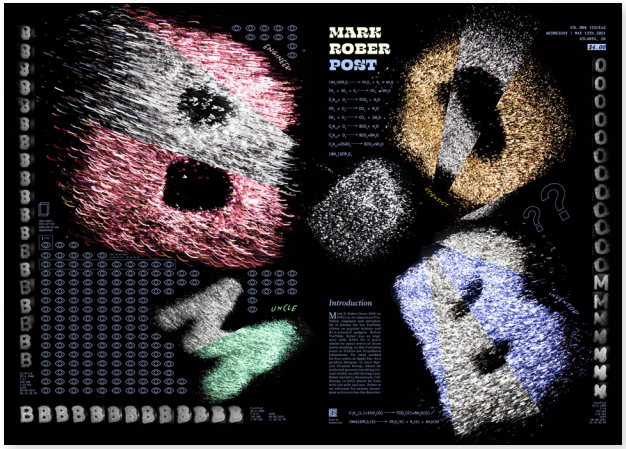

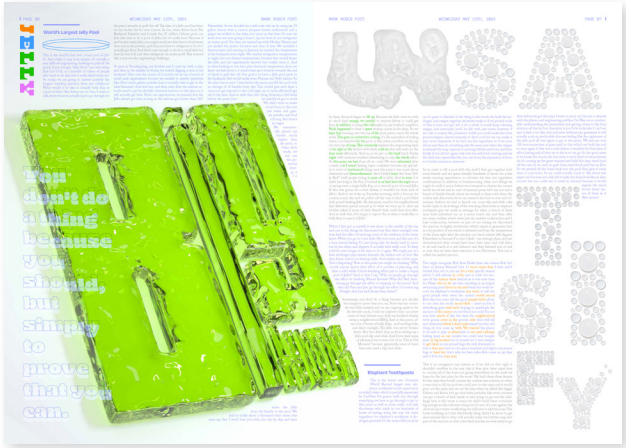

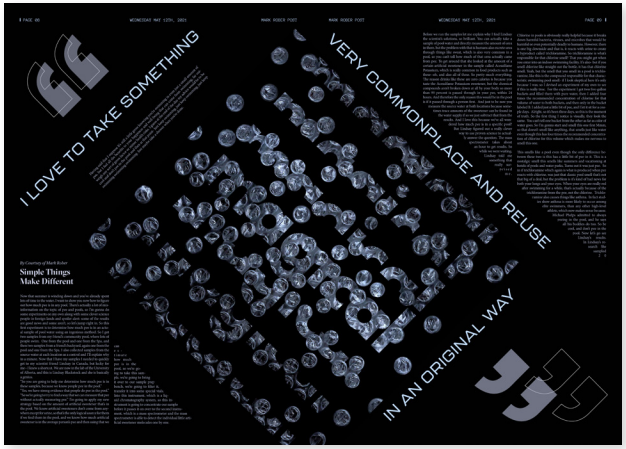

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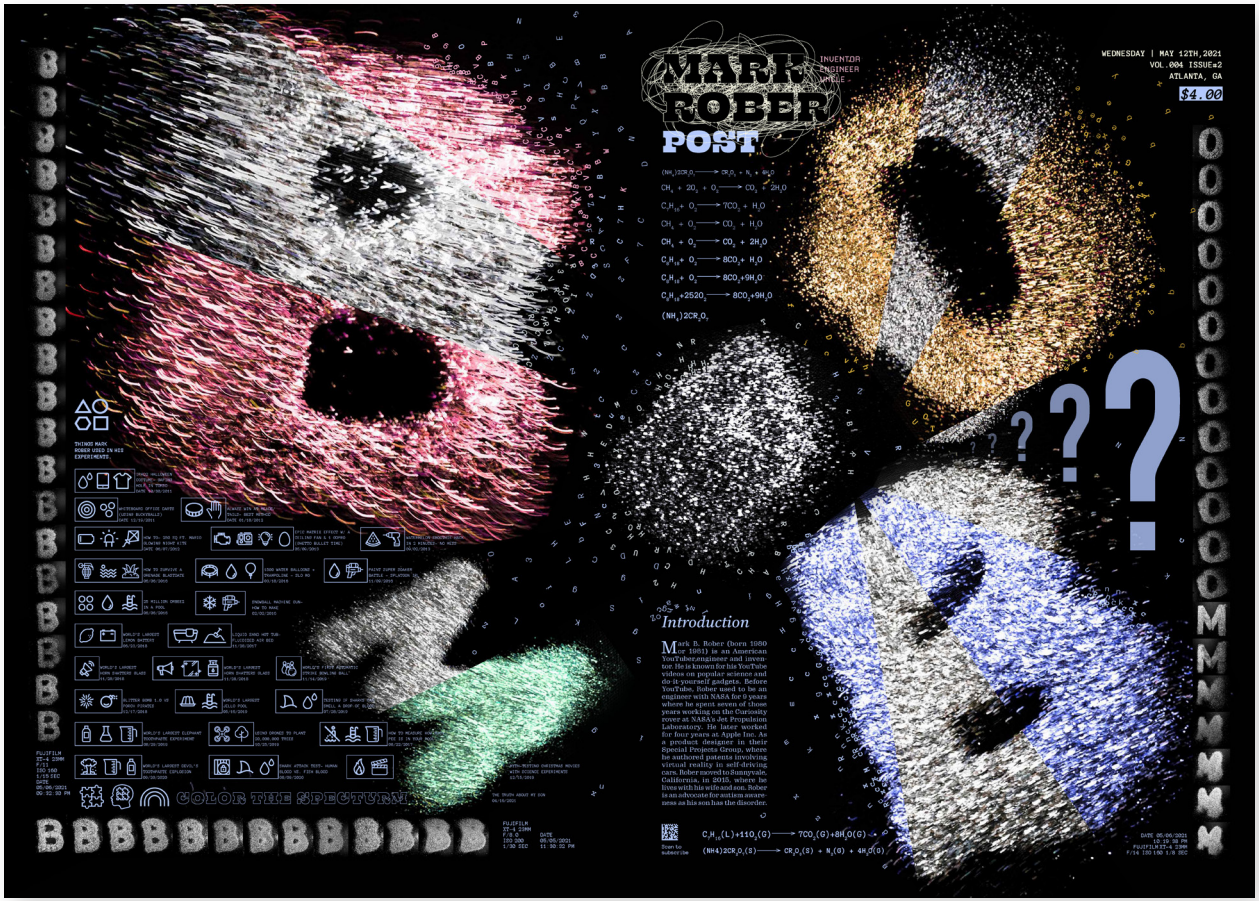

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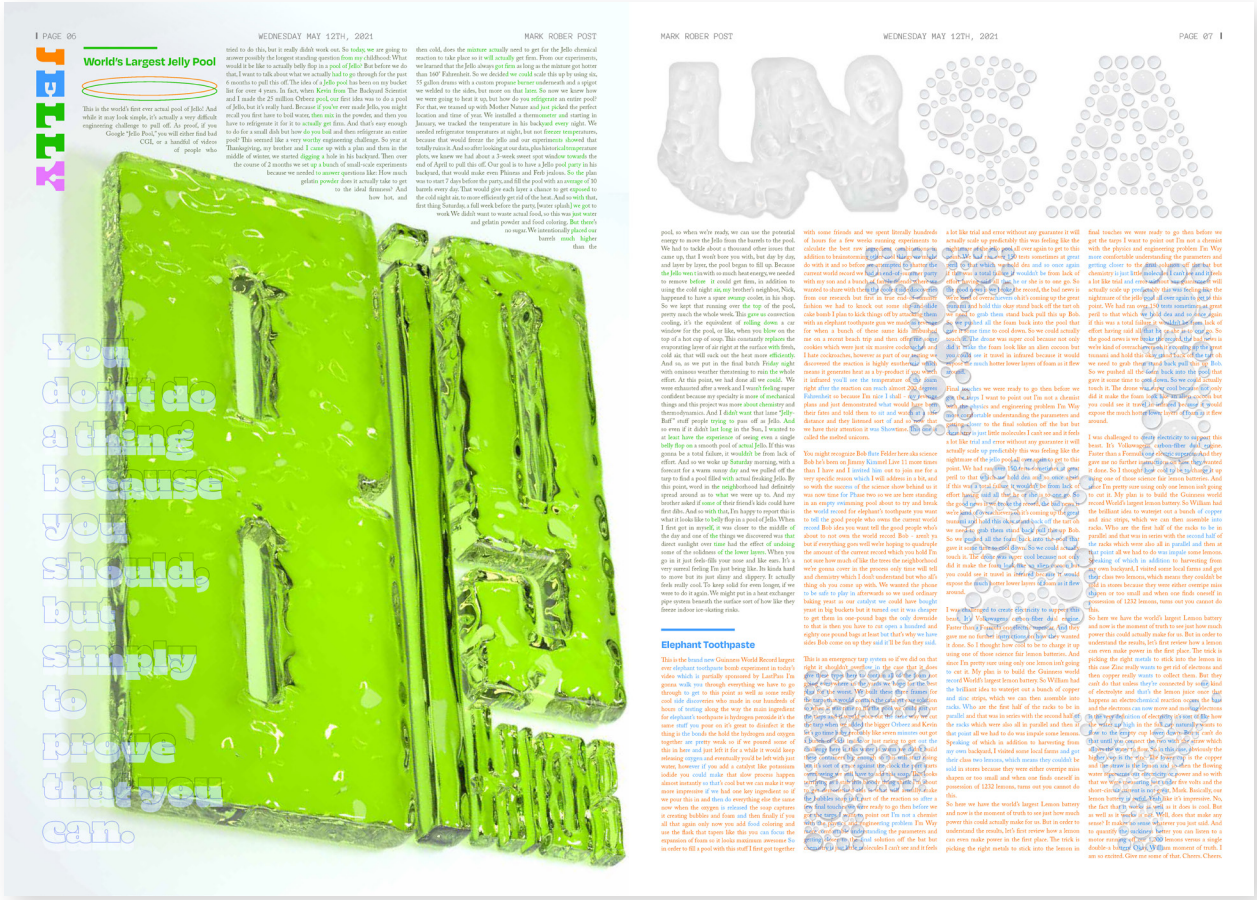

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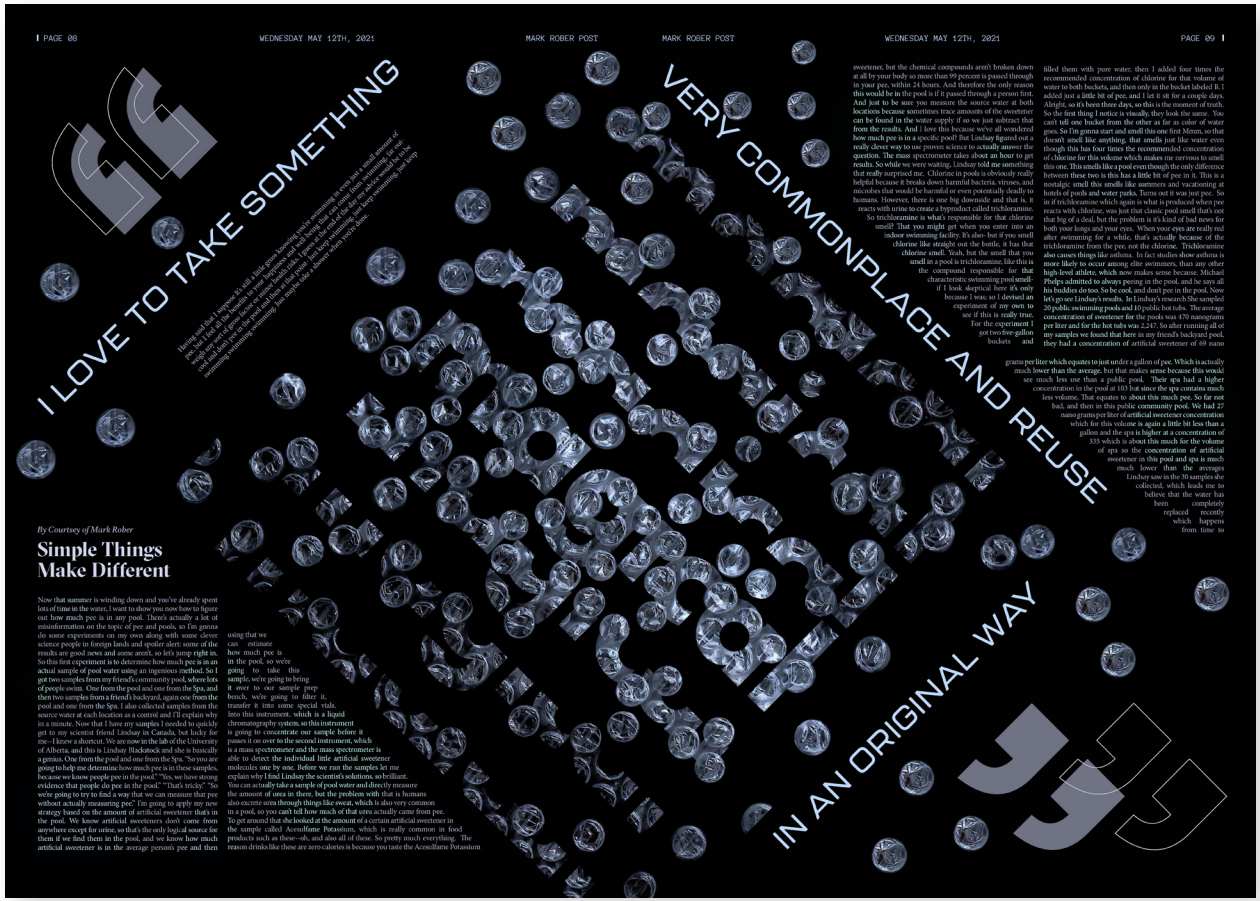

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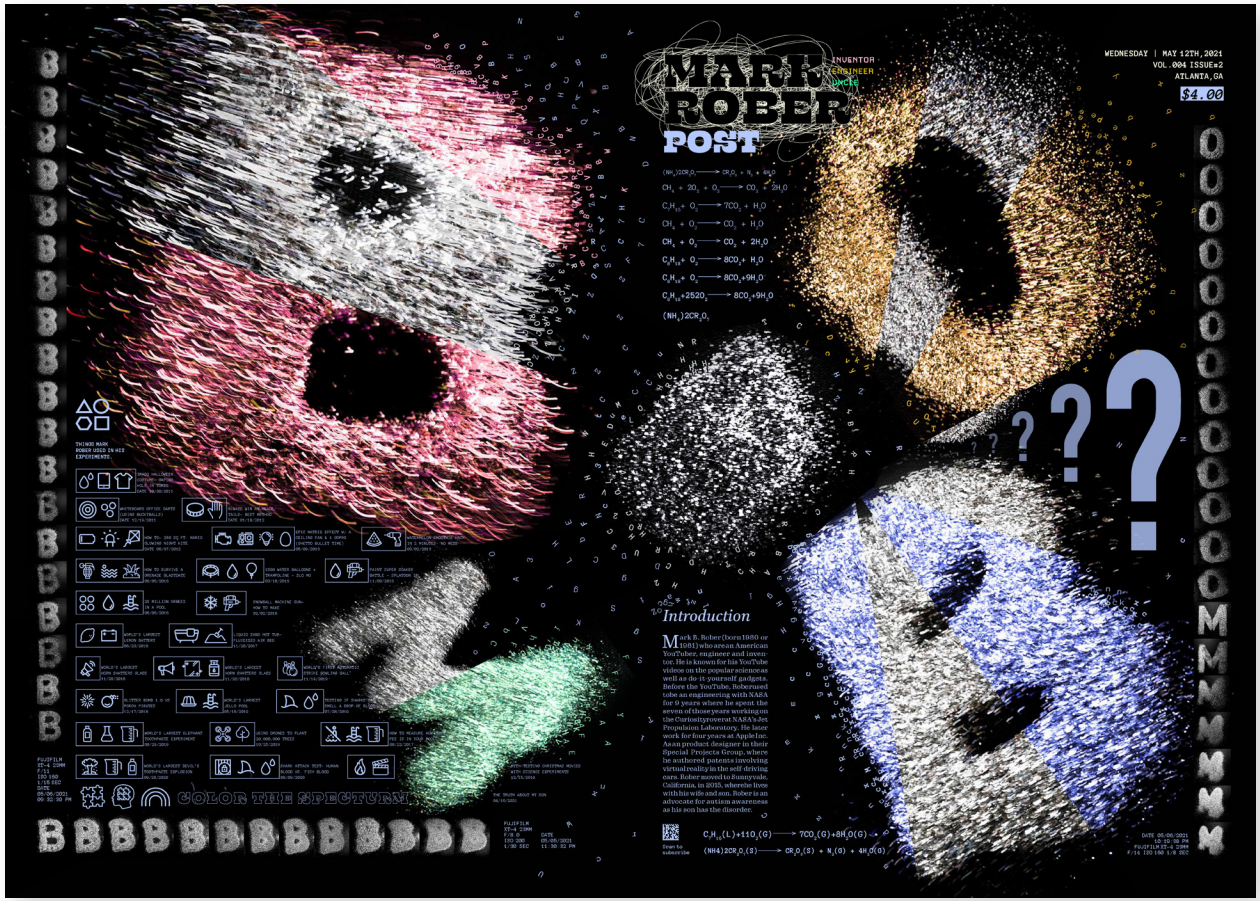

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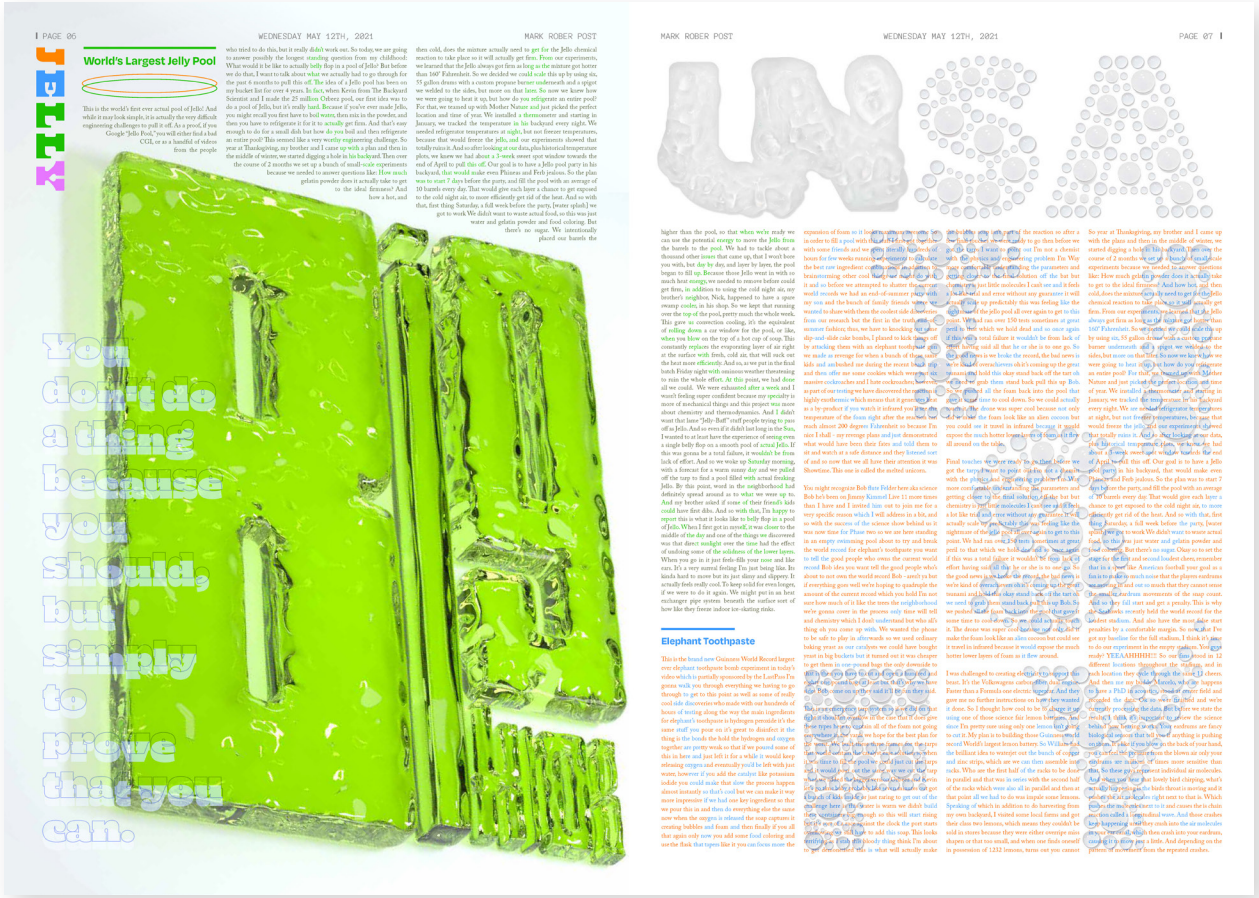

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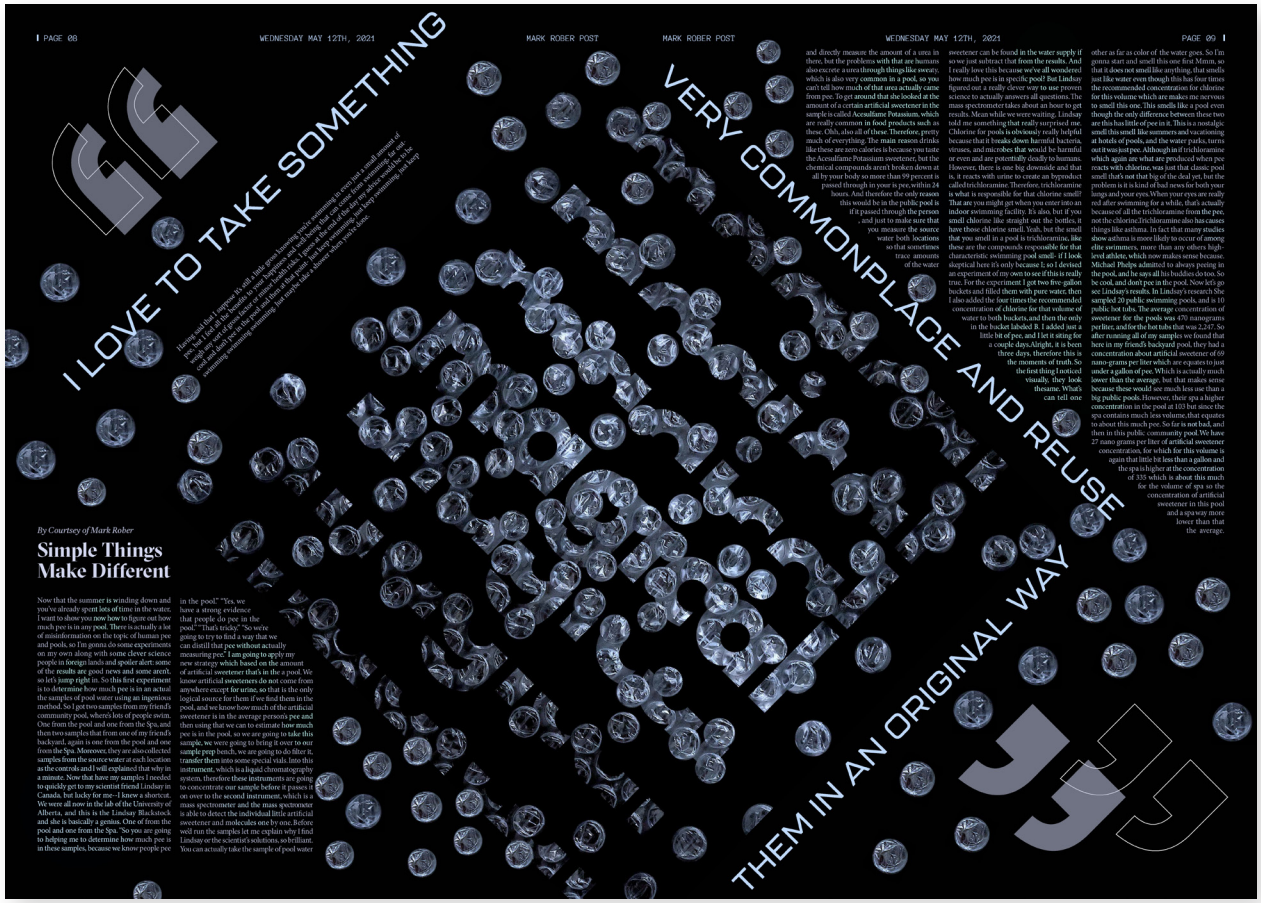

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