

Luna Constantino

Full

Moon

MY COLF LIFE IN PICTURES AND ARTWORKS

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# Dedication

This work is dedicated to me, my friends, my classmates, my teachers, my Ates and Kuyas in school, my brother, and of course, my parents.

With very special thanks to the ones who got me through the toughest days--BTS and SEVENTEEN.

The Moon does not glow on its own.

To these people,  
Thank you and I love you.

# Message

# From Me

Hello! My name is Luna. I am a graduating Arts & Design – Visual Arts Track student of the CoL Batch of 2021. I have studied in COLF since I was three years old. I spent the years of my childhood and adolescence with this school, and grew alongside the many precious people I met through it.

For a very long time, COLF was my world. With this first page, I begin the process of remembering and reflecting on what has been my COLF experience, and finally saying goodbye. It is crazy and surreal to be moving on from the place that very much raised me and helped me grow into the person I am today. I am overwhelmed, relieved, and happy to have reached this far.

This Ebook is a glimpse into the countless memories I made in COLF. Maybe you'll learn something new or find something interesting in it. I certainly did. More than reading everything with care, I hope the stories and tidbits prompt a little laughter for the day.

Like the Moon, though I may wax and wane, and be bright on some nights but dark in others, my shape and core being remain the same. May this Ebook be another lighthouse I can turn to when I feel lost and pulled by the waves of the future.

And so, with affection, love, a bittersweet heart, and overflowing gratitude, I invite you to turn the next page and join me in this journey of revisiting.



*Good Vibes*

- Though it may be difficult now, you'll feel proud of your work when you look back on it in the future.



*Pic Book*

- I promise the book will be filled with more photos than words!
- Photos featured are either taken by me, my classmates, or the school.

# The First Years in Lower School

I still remember the first time I entered the yellow hallways of the Lower School. I was as tall as the white shoe racks by the door...




## Preschool with Teacher Mila



## Kindergarten with Teacher Nikki

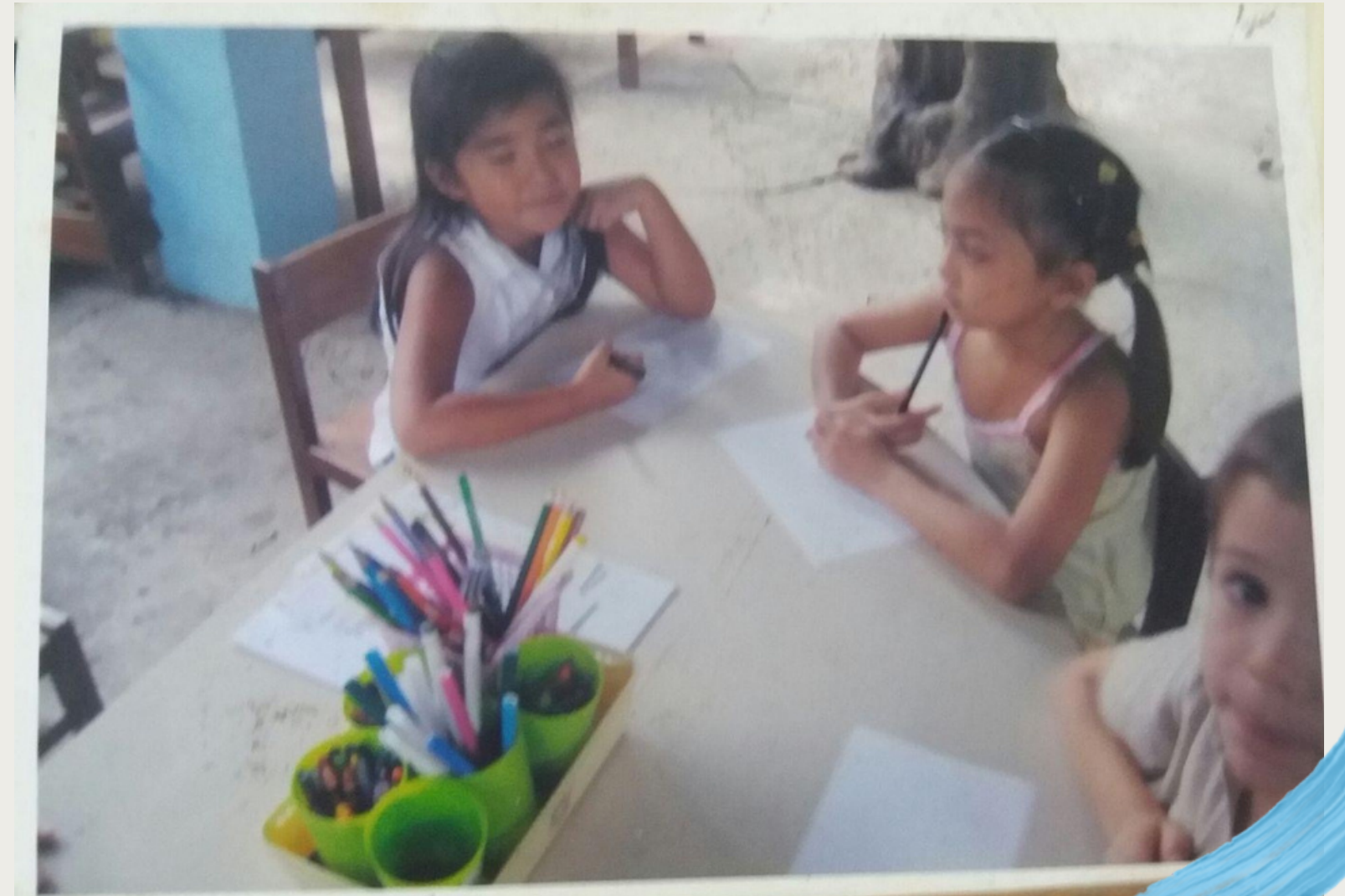


 5's/6's am  
S.Y. 2008-2009  
T. Nikki, T. Lillian, A. Elma

**Community of Learners**  
School for Children

# Early memories

- Playing with blocks on the colored foam puzzle covered floor.
- Taking naps. I was always positioned beside Jedi and Macy, and sometimes our former classmate Dana (although I didn't like being beside her because she always pulled my hair ><). This is why most of the memories I have of our classroom are its blue ceiling.



# Making Friends in Middle School

My Middle School days, at least the way I remember them, were filled with laughter, silliness, and *kakulitan*. From the girls changing into their extra shirts in a cramped bathroom, to walking around the white slope outside. . .

Friend groups also became more defined in the class.





## Grade 1 with Teacher Ann



## Grade 2 with Teacher Mical



- In Teacher Mical's sky blue classroom, I once had a show and tell of my stuff toys Pandy and Rocky.
- I also sang Sunday Morning and When September Ends in front of the class. I remember this because the word "rain" appeared in both songs and I remember teasing Rain (my best friend) about the lyrics

# Some of my first Work Ed works

- I was a bus rider throughout middle school. I remember hanging out in the basketball court and playground area of the Big School with other classmates who arrived at school early. We'd rush back to our classroom when we saw Teacher Mical enter the gates. Looking back, Teacher Mical probably knew what we were doing, but I just remember the thrill of trying to run back to class and act normal before her.



- We only spent two years in the Castilla Campus but I have so many memories of it. From the the basketball court and gravel covered parking lot to the right, to the fish pond in the back, to the dim but spacious covered court.

## Grade 3 with Teacher Elda



## Grade 4 with Teacher Elda





- I enrolled in the Catechism class because all my friends were and I thought it was going to be fun. I've never regretted anything so bad in my life until that point hahaha.
- I'm thankful that COLF is a non-secular school.
- I remember joining the rowdy boys at the back of the class during lessons because I felt so bored! It was my first time getting scolded during a lesson LOL



Creating in

Upper School

I was super creative when I was in Upper School! Sometimes I marvel at how driven I was in class projects.

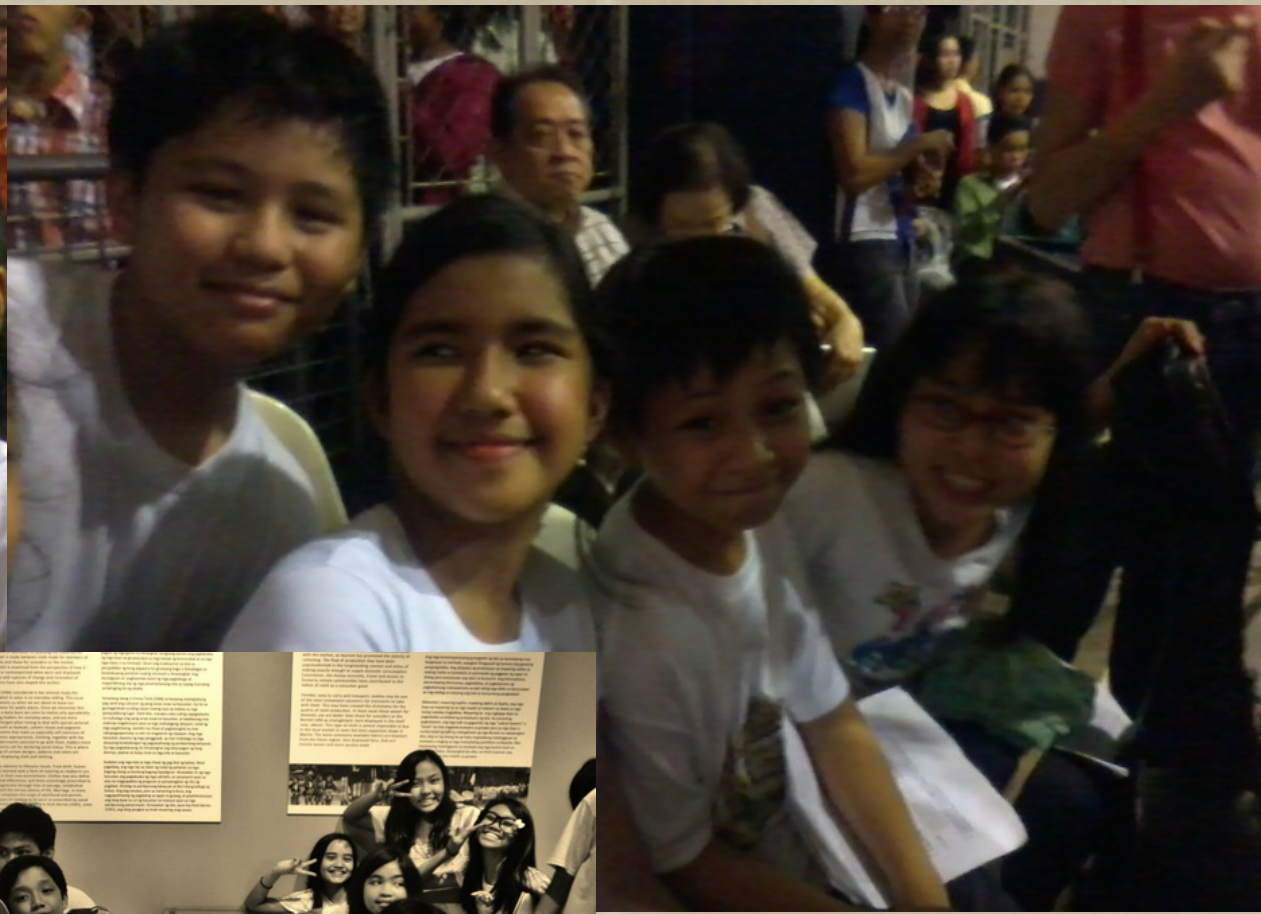
This was the time when we moved to the Montessori Campus. It was also when the morning and afternoon classes of our batch merged into one.!



## Grade 5 with Teacher Fe

- When I think of Grade 5, I think of our field trip to Binondo and the cool fans in the classroom.
- This was the year I first started learning Microsoft Word. Tech-y things intimidate me so it was a challenge to get used to the program at first!
- I was really proud of two projects in Grade 5: the Scrapbook of the City of Athens and the Chinese Calendar..





- Pictures from our Binondo and National Museums field trip
- Two top left photos are most likely taken from the MDF or Bonfire





This was my favorite page in the Chinese Calendar project. I remember feeling so proud of how it turned out.

It isn't too impressive to look at right now but as they say, if you cringe at your old art then it means you're improving!



Luna Writing! #14 theme that we become

I've changed a lot from the past <sup>ten</sup> years and <sup>three</sup> months. I've changed a lot. I've changed physically and mentally. I am much taller now. I have short hair. I got darker. My feet grew just about <sup>two</sup> sizes smaller than my mom. I see the world differently. Now I know so much more terms and my vocabulary is much wider. It's filled with complex and complicated words. Sure, before I knew words people in my age don't know but ~~now~~ I feel so smart. ~~Between~~ I was younger I cried a lot. I mean I even got the nickname World War III. I ~~was~~ loved as a girl before and I loved pink but now I like bold colors. I am much more mature now and I feel so responsible.



At the end of Grade 5, the class wrote their names in the middle of a construction paper.

Everyone then took turns to write a farewell message on the paper of each classmate.

I haven't seen this paper in years. I'm grateful to my past self for keeping it.

Though I no longer remember what I wrote on the papers of others, I don't think I was ever as thoughtful as my friends at that age. Their messages to me here are so sincere.

It makes me feel so loved!

Goodbye  
Joaquin  
Luna, thanks for the fun times we had. And the books we saved the world. Luna your great friend. I really like your drawings. I hope you'll have a good summer. -Gershu

Nice drawings. I hope you could finish series 1-4 of Doctor Who. -Juddy

Jacob  
Have a great summer. -Sarah

So Longg...  
Luna!  
-NiccoP.

You will survive in my book.....maybe  
-Marco

On earth, even though you always hid your drawings from the public, someday, the whole world will discover your talent as a great artist. -Rain

Luna, I love you so much. -Andre

Luna, I'm very thankful that I had a classmate like you! A very happy-go-lucky friend who always puts on a warming smile. Thank you for cooperating with me in dance groups!  
GOODBYE! -Sophie

Hi, i love how you draw. -Lullia

See you soon! -Brad (friend)

Bye Luna!  
See you soon!

NICE FONT!  
-Chrishh

Luna, I love you so so much. -Chrishh

Dear Luna, keep calm and smell the sampaguita. Hahaha! love you. -Tia

Hi Luna, I know we don't talk much but thank you for being my friend through this school year. I hope we can become better friends in the future. -Macy

Dear Luna, Happy Blessed Easter! I will miss you! Goodbye and see you on Jun 16. -Jaeger An

One day Luna, (STOP FOR EFFECT) You will draw even better than Bill Waterson. (BUT NOT AS GOOD AS ME!) You've been a great and funny friend and I will miss you. -Pablo (class)

I like you like a sister. I never had a sister. -love, out Daria

Thank you for being an awesome little sister! -Macy

## Grade 6 with Teacher Belle

- Even in hindsight, my class had a lot of intense drama during this grade level. Can't imagine how it was like for our homeroom Teacher Belle. ><
- Graduated this year. To my surprise, I received an Achievement and Academic Excellence Award. A number of my friends moved schools after graduation. It was hard to adjust to.
- Painted the sarcophagus Egyptian mural with my group mates.
- This was the year where I had a lot of creative projects and produced really good outputs (both individually and in group work).





The picture on the left shows the Get Well Soon cards my classmates made me when i got hospitalized in Grade 6. I don't actually recall what I was ill with, but i do remember feeling very comforted by the letters of my friends.

I think one of the teachers asked the class to make me a card during one of our GL periods.

Each card is very beautiful.

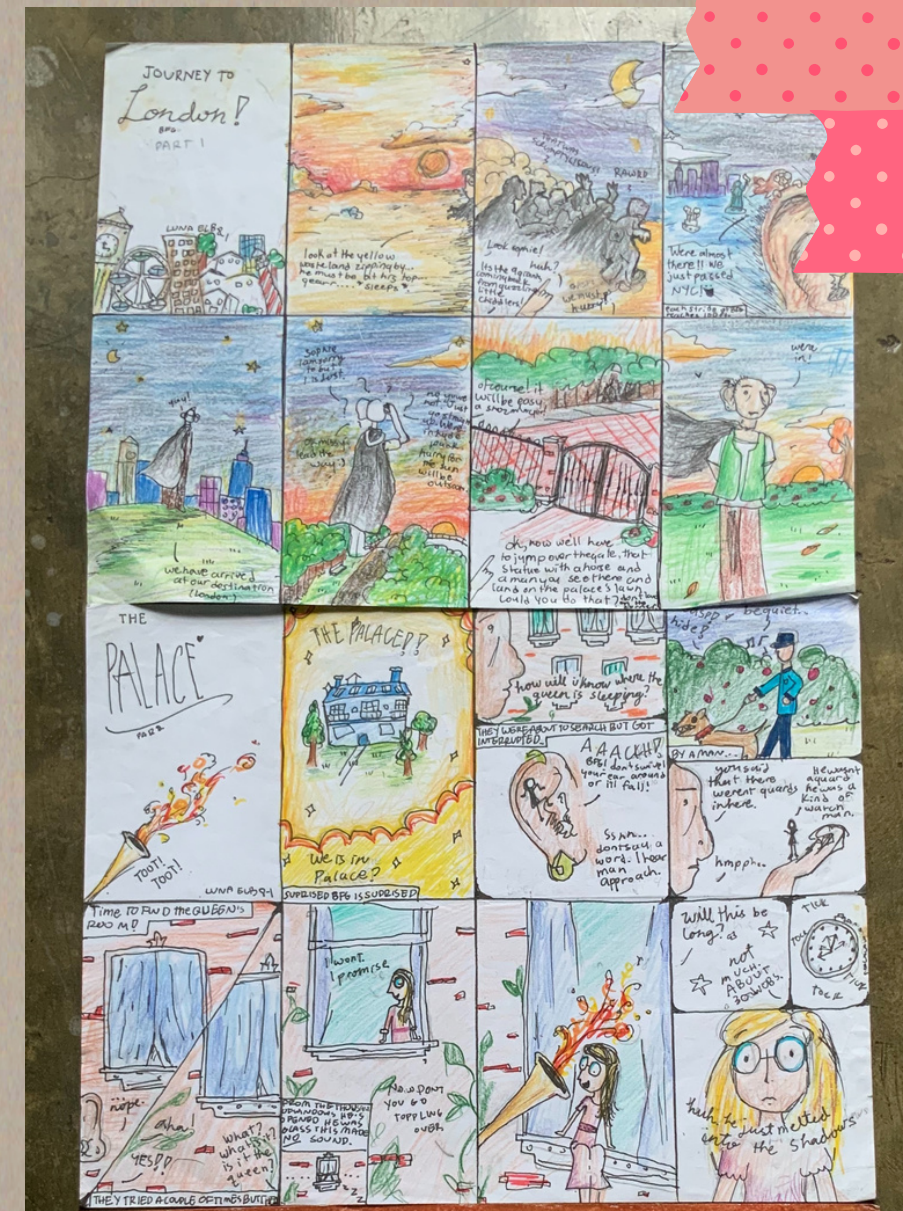
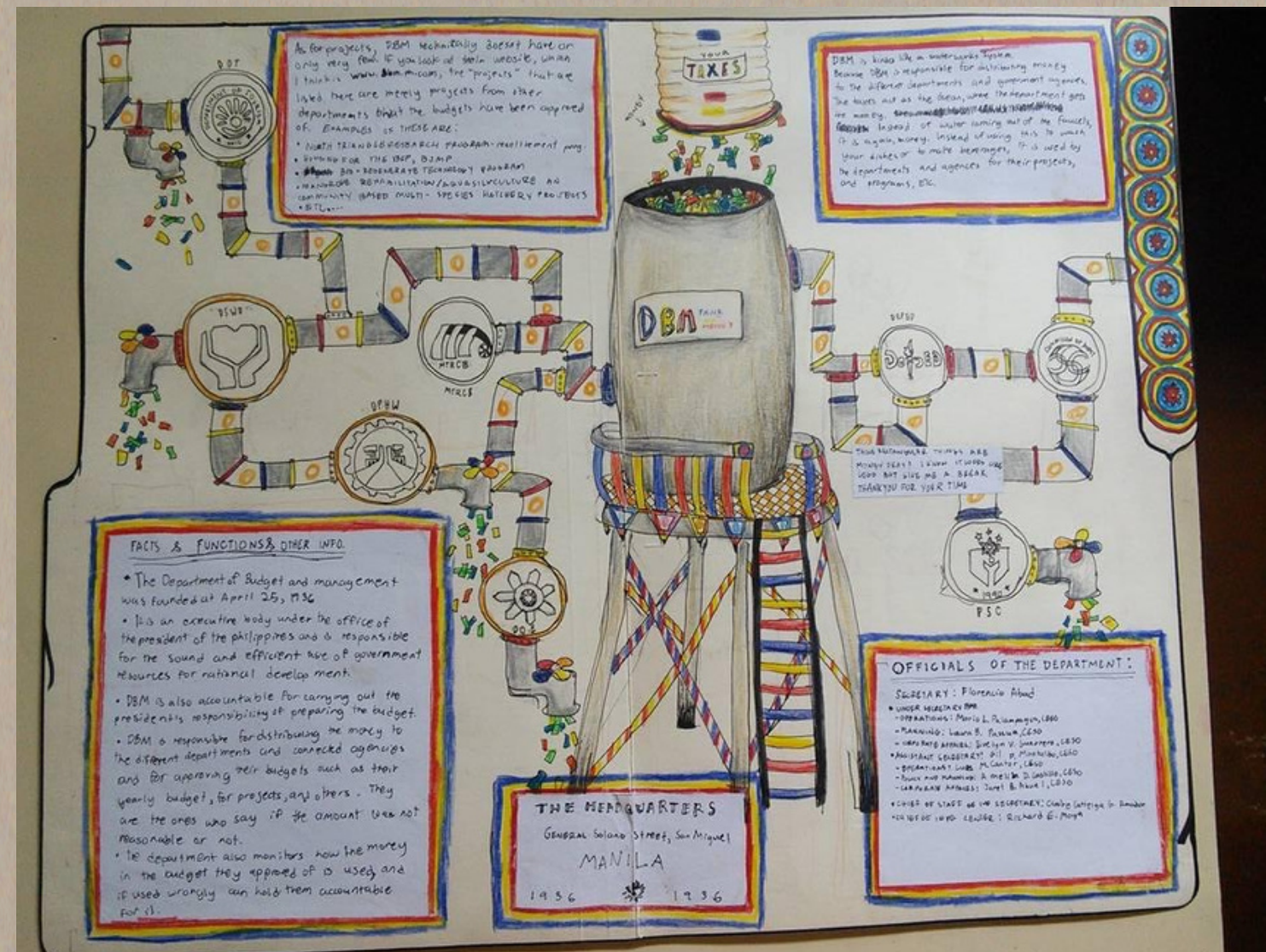
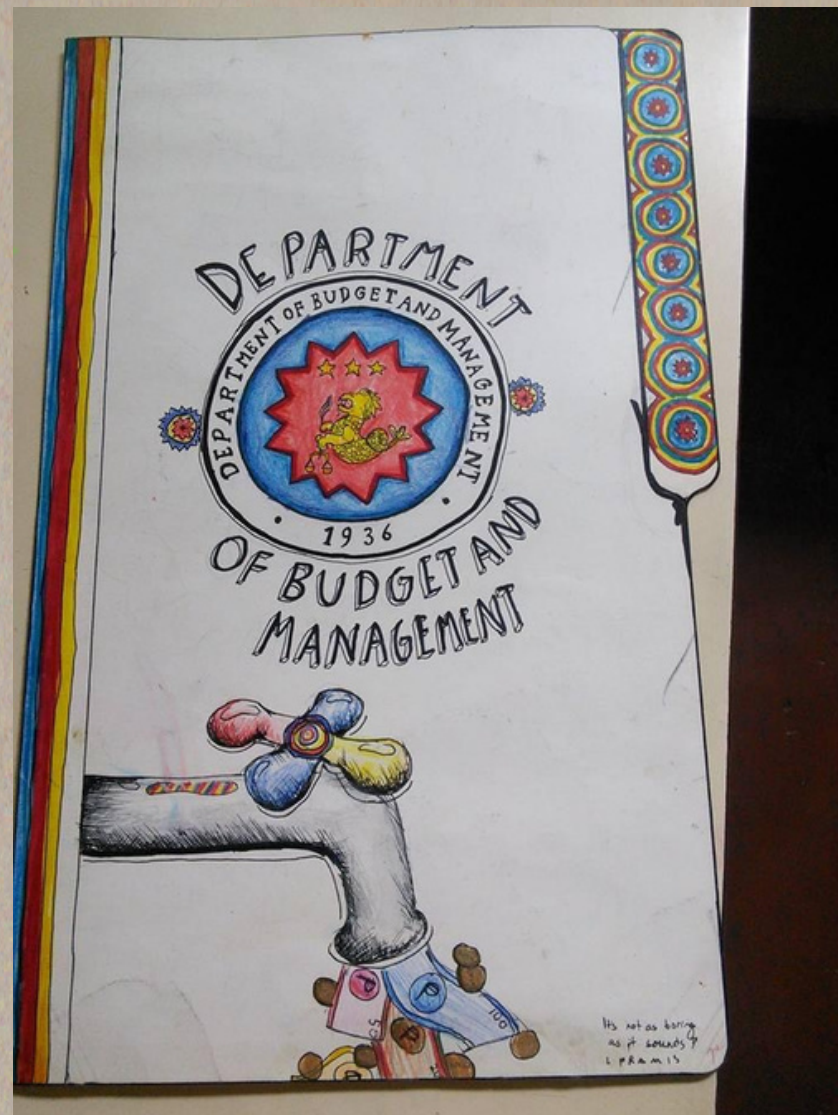


This is a photo of the Water Table Project Rain, Cocoy, Amihan, Matt, and I made for SS.

We studied the Egyptian civilization in Grade 6. Among our projects based on this topic, the Water Table and the Sarcophagus mural (which I did with Piero, Jedi, Cocoy, and Vera) were the most major outputs. Other activities included drawing a chosen Egyptian God and making our own "Egyptian" symbol.

In Grade 6, we also recreated famous landmarks. I chose to work individually and make a model of the St. Basil Cathedral in Russia! I've always been a geography nerd so I was excited for this project.





Explaining the function of the DBM by comparing it to the mechanics of water supply.

Two comic strips retelling the plot of The BFG and an illustration of fighting giants.



Our first HSSAP in COLF!  
We went to a public  
school. It was really  
cold.

The name of the girl I'm  
hugging, who is wearing  
a pink shirt, is Reese!



Grad Day! The four of us  
were really close friends  
throughout Upper School.



# Memories from Junior High School

Ah yes... This is when I began my journey as a completer (don't follow my example kids)! Haha.

Junior High was full of ups and downs but my experiences taught me many lessons and helped me mature into a more patient and considerate person.



## Grade 7 with Teacher Joy

- Much like Grade 6, Teacher Joy made sure to push the class to our creative limits! Our most significant project in Grade 7 would probably be our Opera on Animal Farm. A lot of the workload was project based. I enjoyed this a lot more than doing tasks.
- I began to lose motivation in school during this year.





ENGLISH

### OPERA

my comrades, today is a special day for we have good news on the way. based on my figures, i can see, that this year is the best in all of animal farm history our stocks are great and we have bountiful food the amounts of trading are increasing to our credit, and comrade napoleon is very proud he so we can get successful year

This past year he We get good ne Windmill constr We have all the

Our success reig the farm is doing because of all o Our success reig the farm will do to liberate anim. Success reigns because the win can you see the Our success reig in your face hun because we ha

work harder c may go back t nol of course then continu

Years good, 2 legs better

How wonderful how wonderful  
we just finished work  
in a pleasant orderly growing  
What could possibly go wrong?  
(Horse neighing)  
Oh goodness, Oh goodness  
who could it be?  
It's Clover, It's Clover  
She saw something as tempting as bees  
scary life bees!

Oh speaker, oh speaker  
Walking in his front hind legs  
and other pigs follow him  
with their pairs of fi

Pigs  
Oh yes, oh yes  
I walk in my tiny legs  
I've got my brother's nose  
with their little tiny legs

Cold winter slaves  
Put it up, find away  
There putting us in pain  
Years passed, the season came,  
Nobody remembers the rebellion way...

Clover, Benjamin, remember more  
Remember all they had known  
Phebe, Jessie, and Fincher were dead  
Benjamin remembers boxer's death

A horses lungs Don't last forever

[Benjamin & Clover:]  
(Sing) Oh dear Boxer get some rest  
Take a break from all the work you've done  
Even just for a little while  
Because a horses lungs don't last forever

[Boxer:]  
(Sing) I will work harder  
I will work harder

(Sing) ~~Before~~ Before I pass I want to see  
The wind will stand in front of me  
And for this I will work harder and harder

[Clover:]  
(Spoken) Listen to us just for once  
(Sing) A horses lungs don't last forever  
Listen to us

[Benjamin:]  
We appreciate how dedicated you are, but  
Rest from your labor  
Rest till you regained your lost strength  
A horse's lungs don't last forever

[Clover:]  
Benjamin, Clover  
Shakes his head and



### IBONG ADARNA josh-gerelle-danni-angela-pierce-luna

Maga ang buong katawan  
may sala sa mga tadyang  
at ang lalong dinaramdam  
ang gutom at kahawian

Sa ilang na pagkalawak  
na wala ni kubong hamak  
sino kaya'ng matatawag  
dumamay sa gayong hirap

Sa kawalan ng pag-asa  
sa diyos na tumalaga  
kung gumaling ay ligaya  
kung masawi ay palad niya

Hindi niya malimutang  
tumawag sa birheng mahal  
lumuluhang nanambitang  
tangkilikin kung mamamatay

"O, birheng inang marilag  
tanggulan ng nasa hirap  
kahabagan di man dapat  
ang aliping kapuspalad"

"kung wala nang kapalaran  
humaba pa yaring buhay  
loobin mo inang mahal  
ang ama ko ang mabuhay"

"maulang hirap at parusa  
di ko sasapitin sana  
kung di po sa aking pita  
magulang ko ay guminh:

"ito'y di naman pagsisi  
o pagsambat sa sarili;

### Strawberry FILIPINO SCRIPT

NICO V. - LUNA - PIERO - GERELLE - JOAQUIN - BRIAN - KEN

\*BALITA NEWS\* \*JOHN CENAA\*

LUNA: Magandang hapon mga kababayan ako ay si luna.

KATHRYN: At ako ay si Kathryn.

LUNA & KATHRYN: Galing sa Balita News.

LUNA: Ang tampok na balita natin ngayon ay ang simula nito sa Maynila. Halos lahat ng mga delegado ay nakarating talakayin ang kalakalan at pang-ekonomiyang kooperasyong bansa sa Asia Pacific.

LUNA: Bago tayo magpatuloy, para sa ating mga taga-ating pinag-uusapan, ano nga ba ang APEC kathryn?

KATHRYN: Ang Asia Pacific Economic Cooperation o A bansa na nakapaligid sa karagatang pasipiko. Ito serupang ipabuti ang ekonomiya ng isa't isa. Ang mga il Japan, South Korea, Philippines, Thailand, Brunei, A Canada, Mexico, at iba pa.

LUNA: Oo, at 19 taon na ang lumipas nung huling noong 1996. Iyon naman ay naganap sa clark.

LUNA: Bakit ba silay nagtitipon para rito? Ano b

KATHRYN: Kasama ko rito ngayon ai undersecret of foreign affairs ukol diyan sa tanong.

KATHRYN: Undersecretary, ano po ba ang la

NICO V: Magandang hapon sa lahat ng inyo conference na ito ay "building inclusive ec para makamit ito, ipag-usapan ng mga lider ang pagpundar sa kapasidad ng manggag

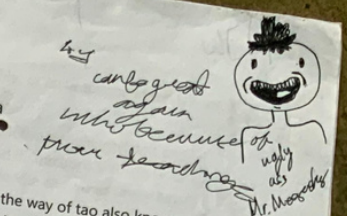
### TAOISM Luna ~ Miguel ~ Angela

What is Taoism?  
Taoism is a philosophy from ancient china that follows the way of tao also known to them as the path or the way of life. The word tao doesn't really have a concrete definition of what it is, but it can be described as how one lives, their path of life. that would mean that each and every one of us has our own dao, our own way of living, our own path, and they all converge together to be a part of the flow of life. ~~It is a part of the dao.~~ ~~Nature to them, is very important and should be treated with care and respect for bumps made, just natural soft tranquility and peace because roughness would show violence and disruption, destroying that sense of calm.~~ ~~Taoists believe that we are all just tiny parts of the flow of life like the earth in the universe, just one small dot in the vast expanse of space.~~

This philosophy was founded by lao zi the writer of tao te ching, a Taoist book which we will discuss later. He is considered a deity in religious Taoism and is a legendary figure in many other Chinese religions and traditions and had a big influence in ancient china. Lao zi has been mentioned in various writings and texts that spanned over centuries in different points of time. He is traditionally known as a scholar at the keeper of archives who had attracted many loyal followers.

although similar to Confucianism, Taoists believe that Confucians focus too much on men and believes that this encourages the mindset that we are more important, and that everything else is lesser compared to us, ignoring the way of tao.

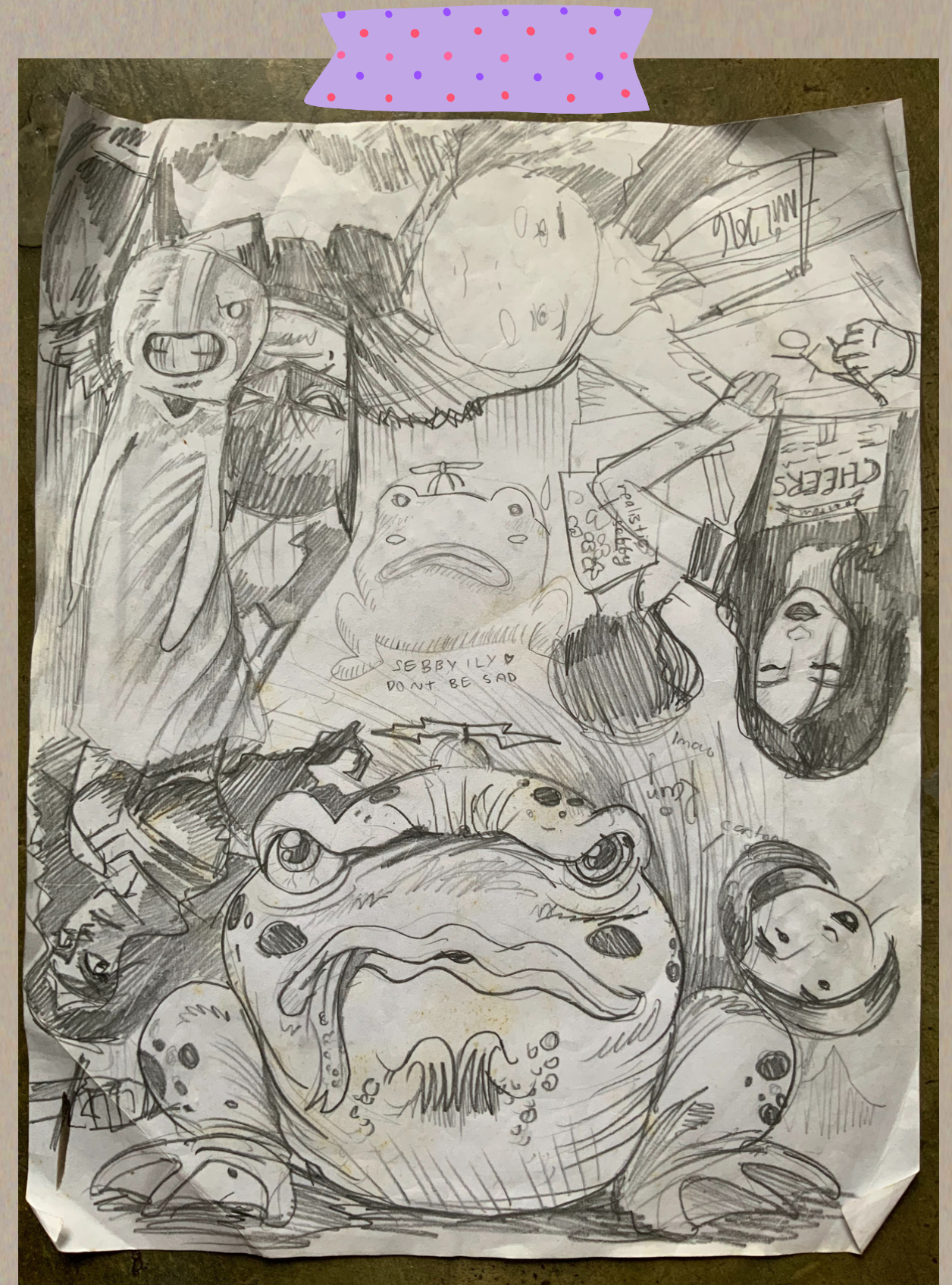
Taoists believe in non-action or wu wei, choosing to be neutral and ignore problems that don't concern them, letting things flow in their "natural" way. They believed that this would prevent violence and make peace making things balanced. They believed in the opposites of yin and yang believing in the saying "Without darkness, there can be no light." mention the fil assessment where they talked about opposites and stuff they also believed in ziran, the simplicity in the natural form and the harmony with dao. Taoists liked simplicity as it goes well with their belief of the natural flow of things.

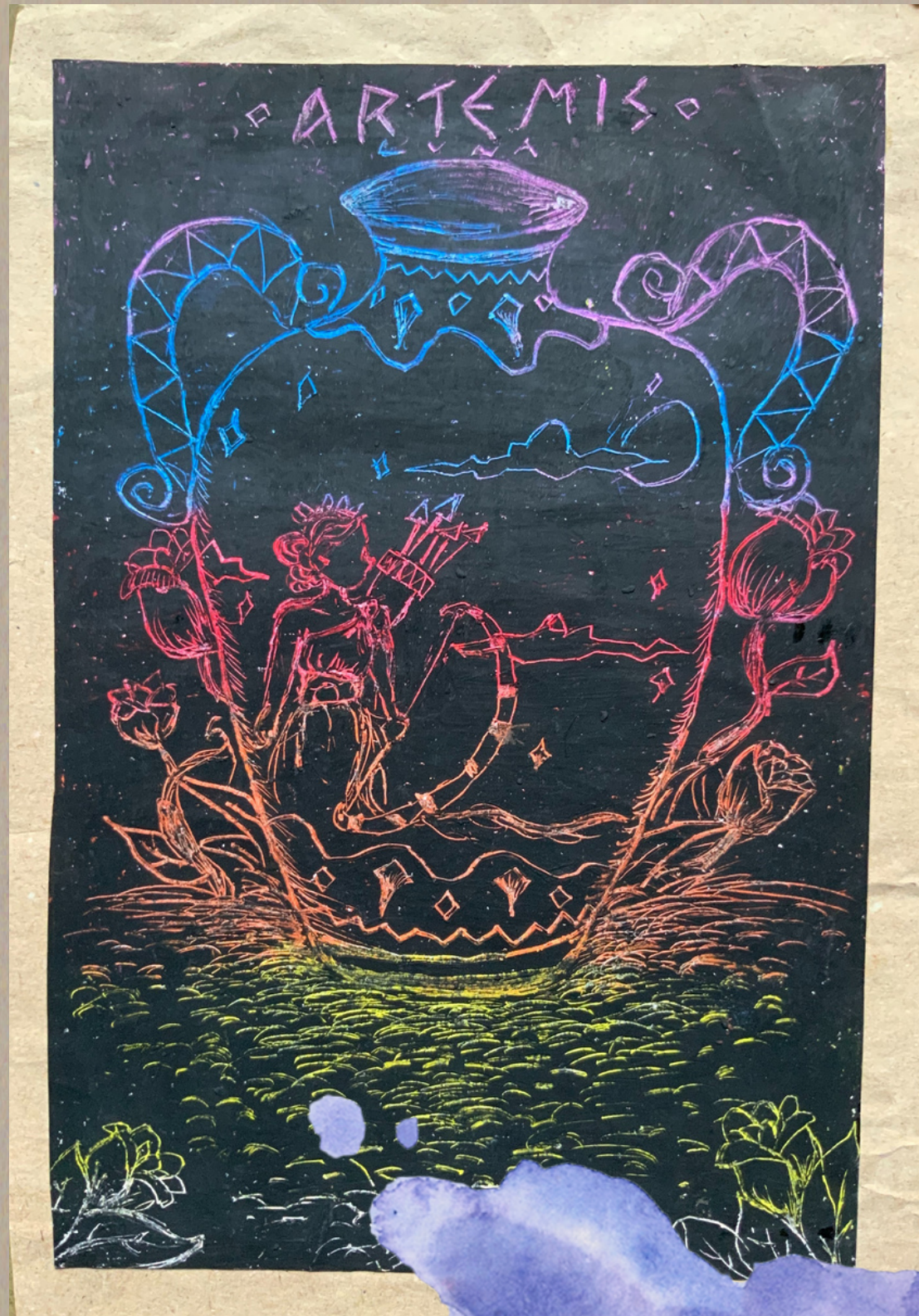
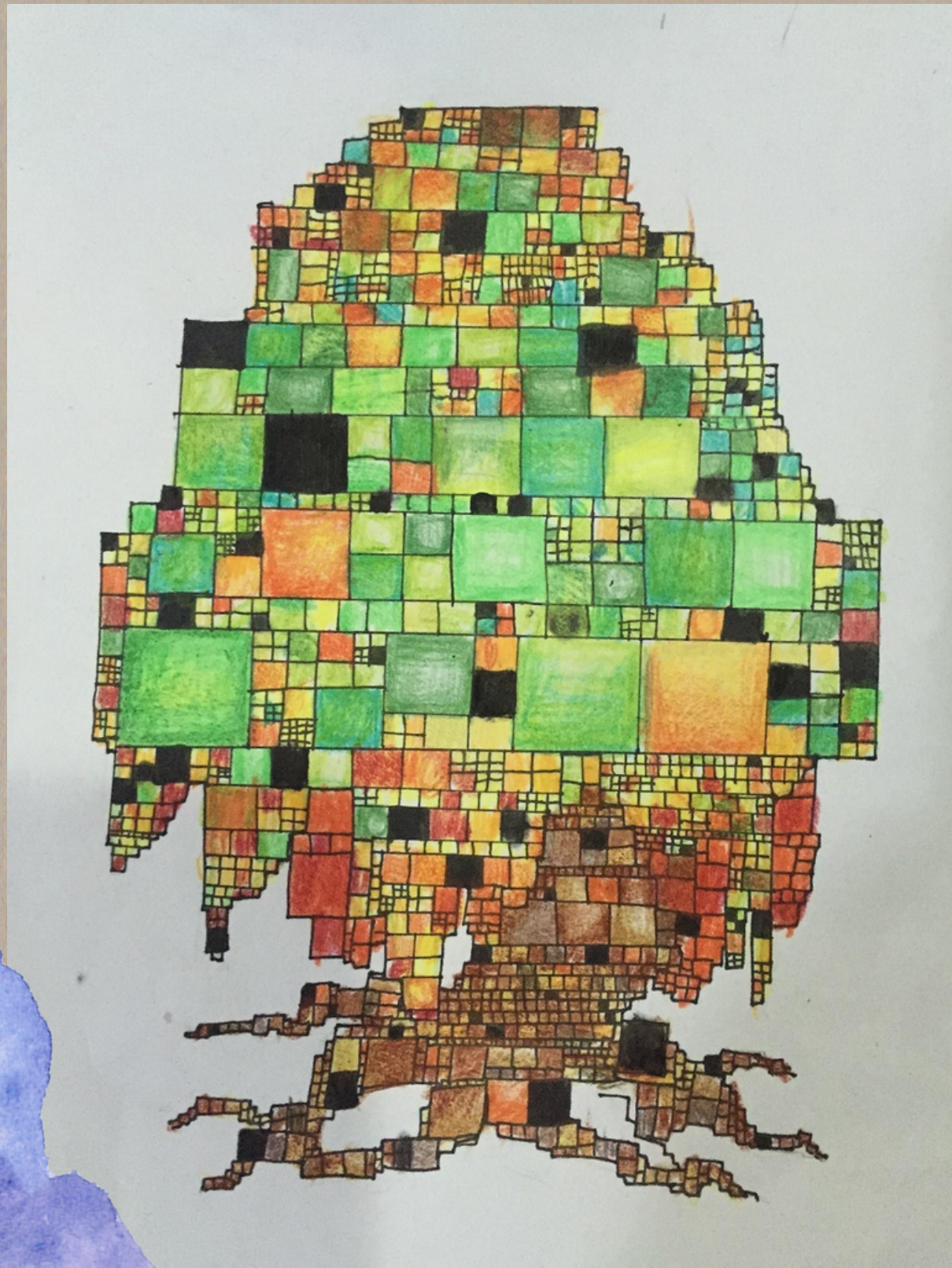


Handwritten notes and symbols (A, M, L) on the right side of the Taoism page.

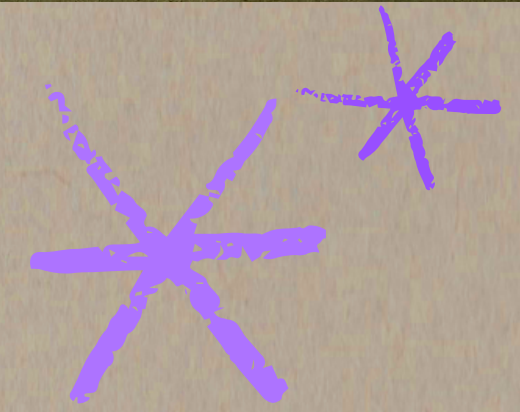
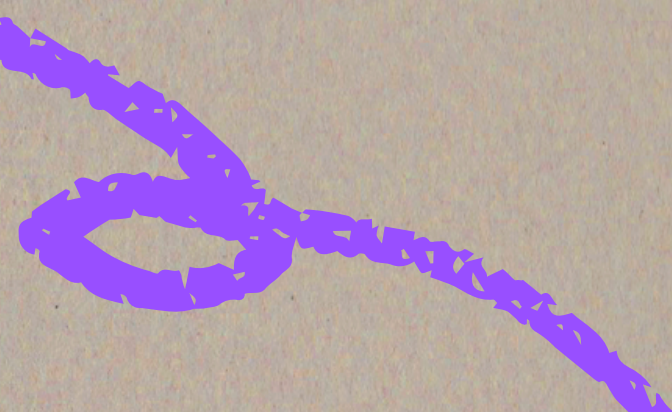
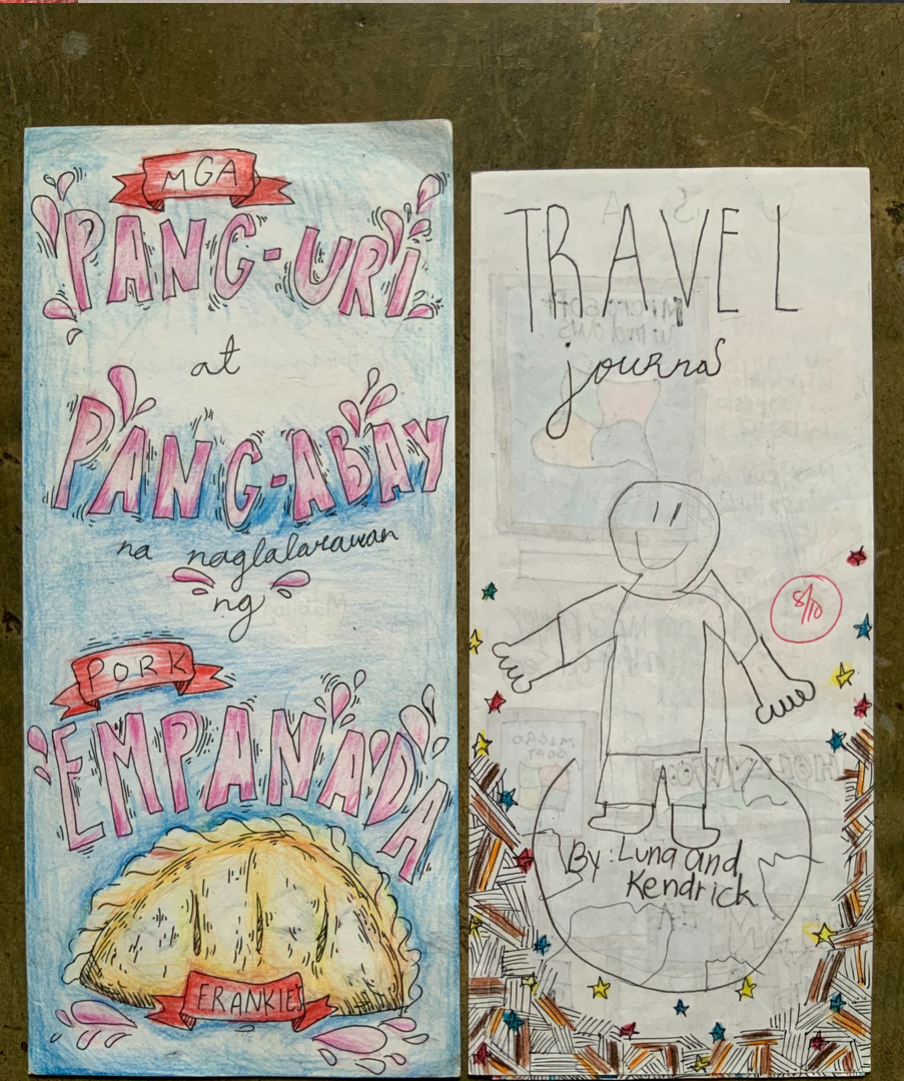
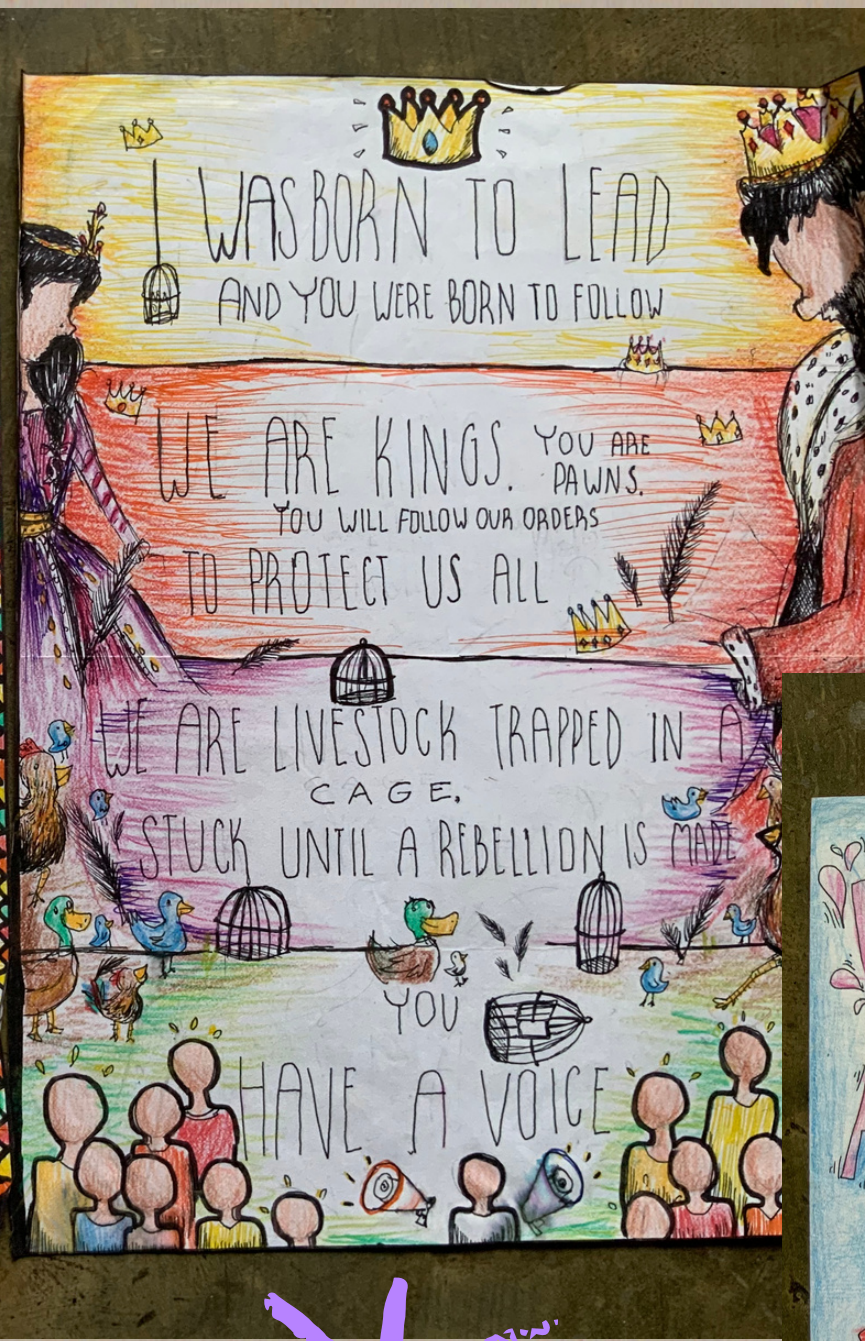
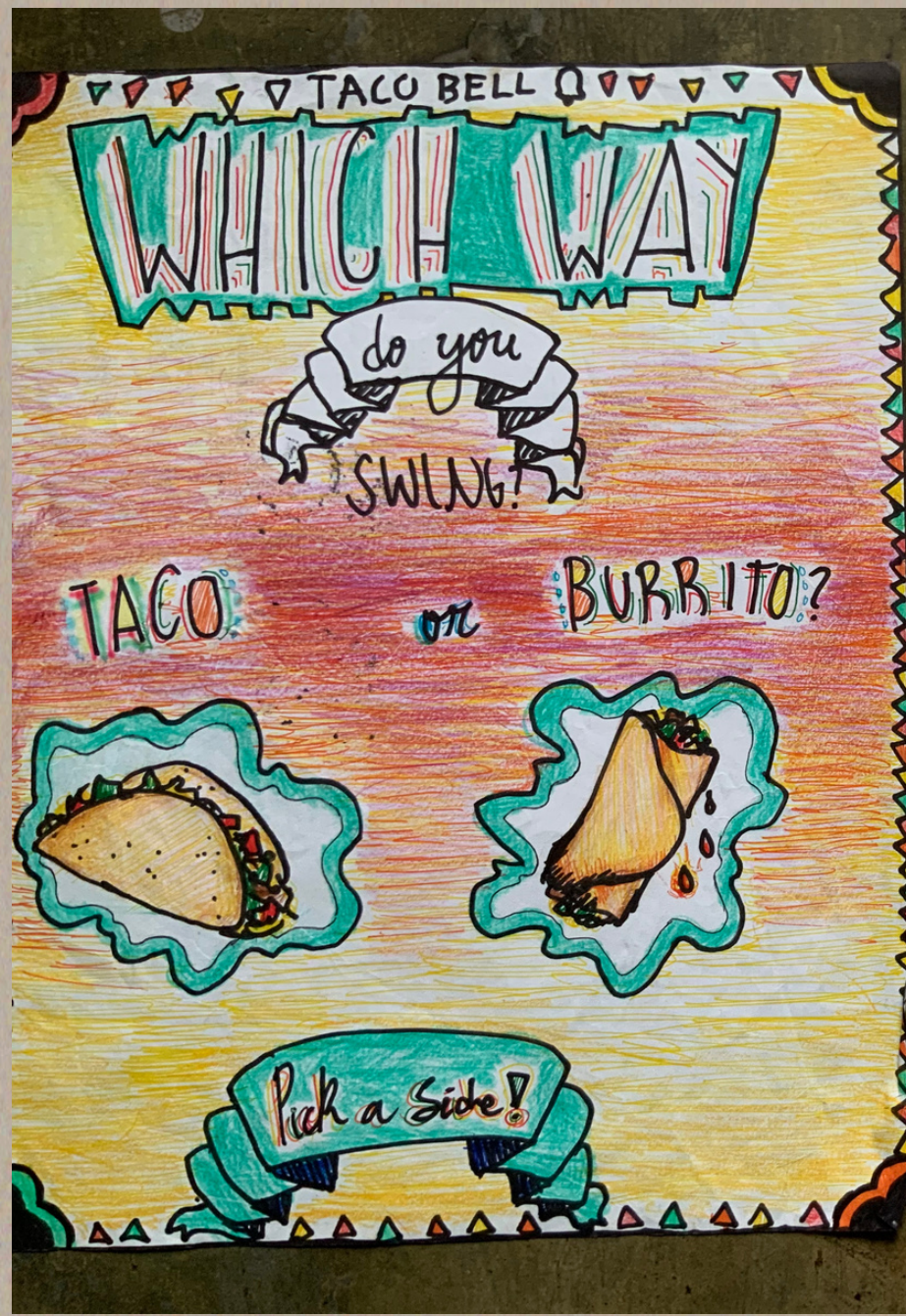
Left pic: I was doodling to avoid the storyboarding task and T. Andrew joined me. I made him draw Sebby the frog, a character my friends and I made on the spot.

The work below is by me, Rain, Sophie, and Christian! It was the first project of the year--create your own world.



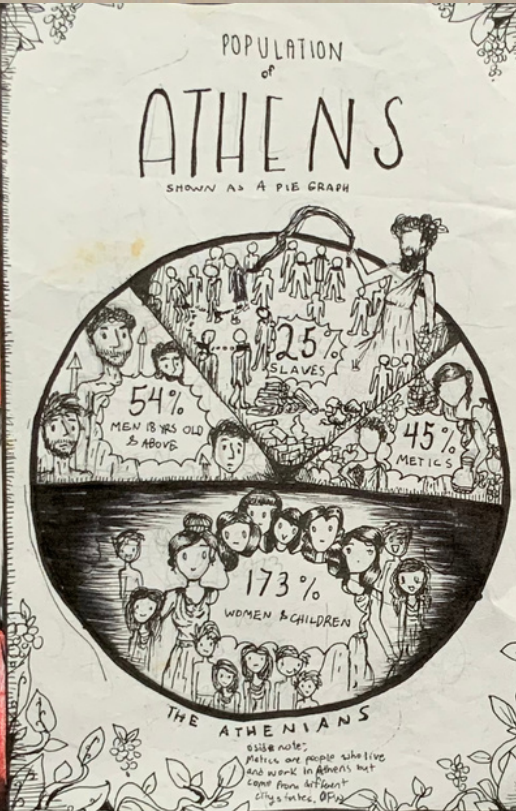
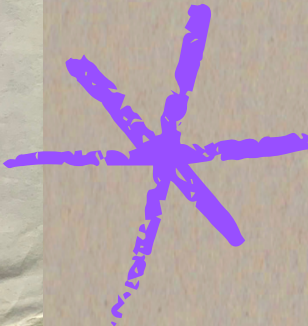


2 feet poster/cover of our required reading Number the Stars.



# Hindi Ito

# AREC-tive!



## TUTURI, TUTURI

(WAG KANG MAGPAHUB)

### SALBAHANG

J.M. CRUZ REYES

13 ng Agosto 2012

Alaun ni Mary ang ay nagpala...  
 kating Baga of...  
 na ni Daplah...  
 ang Rus, Kapalit...  
 ay manula...  
 dahi sa kanya...  
 la ng SM mga...  
 ub ang kambag...  
 a kamutawag...  
 silos ang...  
 kumpag ag crew

la ng oksahera...  
 katangian ng...  
 phun...  
 iting...  
 Chops, isa sa...  
 ay sa...  
 awatan ni...

sa karama...  
 nang...  
 bntibig...  
 bahagi ng...  
 hindi...  
 pag-asa...

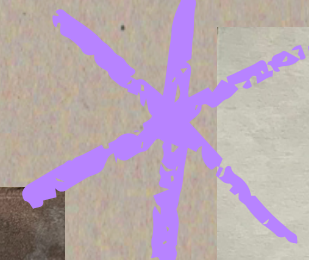
### MARTIAL LAW

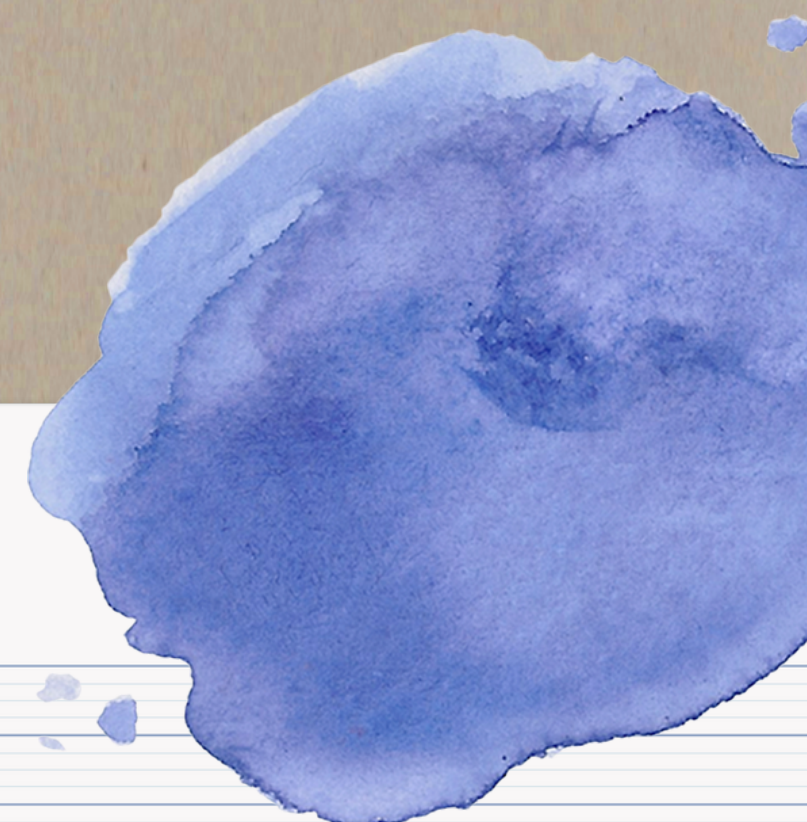
WHAT IS MARTIAL LAW?

MARTIAL LAW...  
 DANGER

I'M DECLARE...  
 PEOPLE MISSING...  
 USE...  
 LA...  
 CURFEW...  
 PEOPLE...  
 MISSING

MARCO...  
 PEOPLE...  
 THESE...





Pictures from our Grade 7 outing! We went to a home in Tagaytay that had a pool, grill area, and big windows at the side.

This was a fun experience. I only wish we could've had a Grade 12 version!

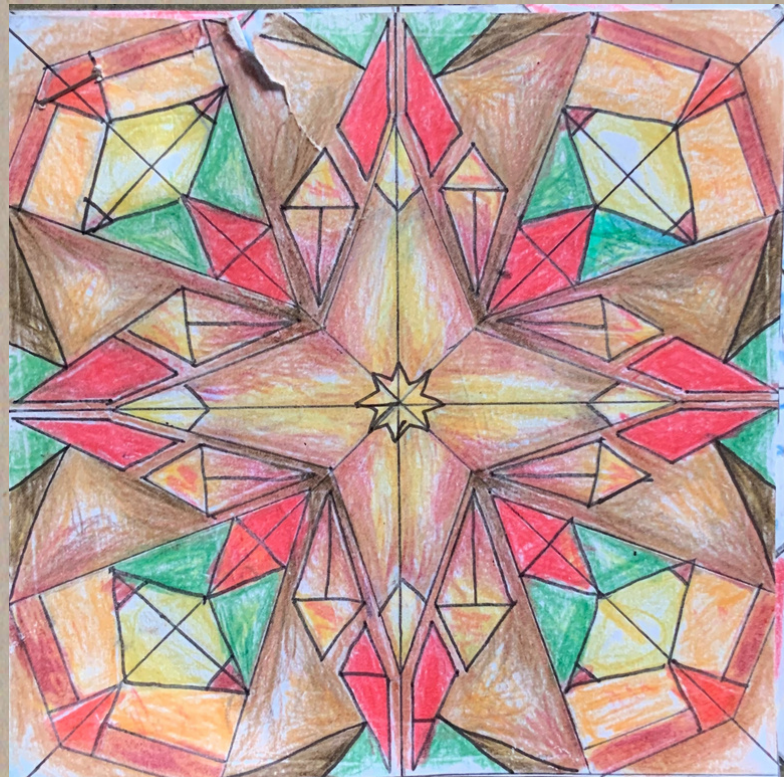
## Grade 8 with Teacher Andrew

- Grade 8 was our year with Teacher Andrew as our homeroom adviser. The memories that stand out the most include me watching Teacher Andrew draw his comics, and my clearance getting fully highlighted by the end of each week LOL
- There was this door decoration contest between high school classes and our Harry Potter design won! I enjoyed doing that.
- The class also tried their best at Sabayang Pagbigkas! It was our first time being competitive about it.





My Grade 8 math projects!  
Unfortunately, the finished products of these works are all kept in school storage! Had the pandemic not happened, I would have used pictures of those instead.



Tangram puzzles.  
Fractals.  
Repeating faces (there is also a fish version).  
And my Girl With A Pearl Earring String Project.



## Grade 9 with Teacher Daisy

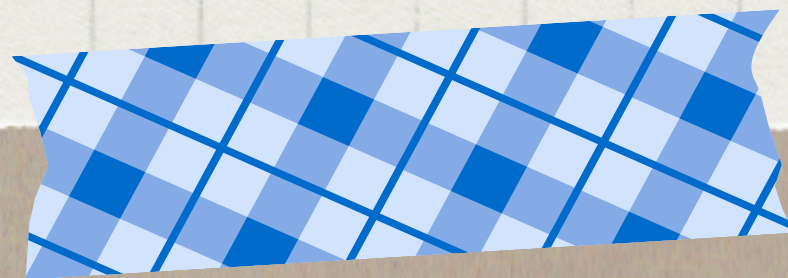
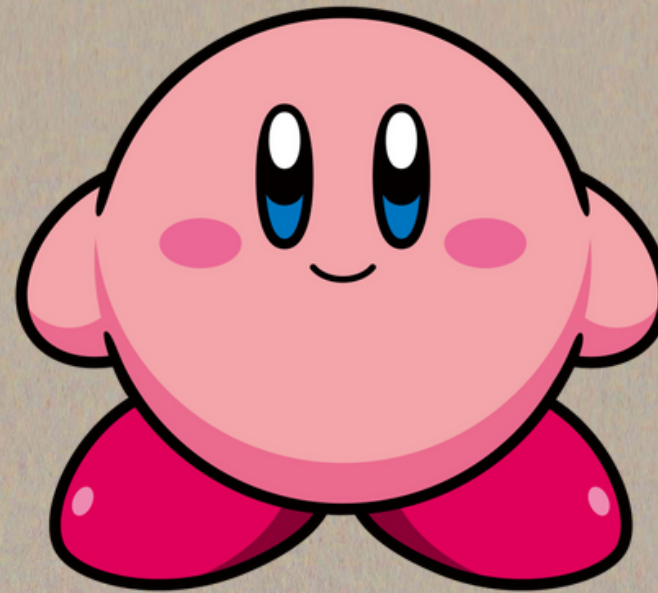
- I think the highlight of this year was our failed magic show themed potluck. None of the magic tricks people prepared worked during the actual event. It was hilarious.
- Our class was realllyyyy messy with our belongings.
- Marco and I bonded over completions and Kpop.
- This was a tiring year for me academically.
- Teacher Daisy!!!

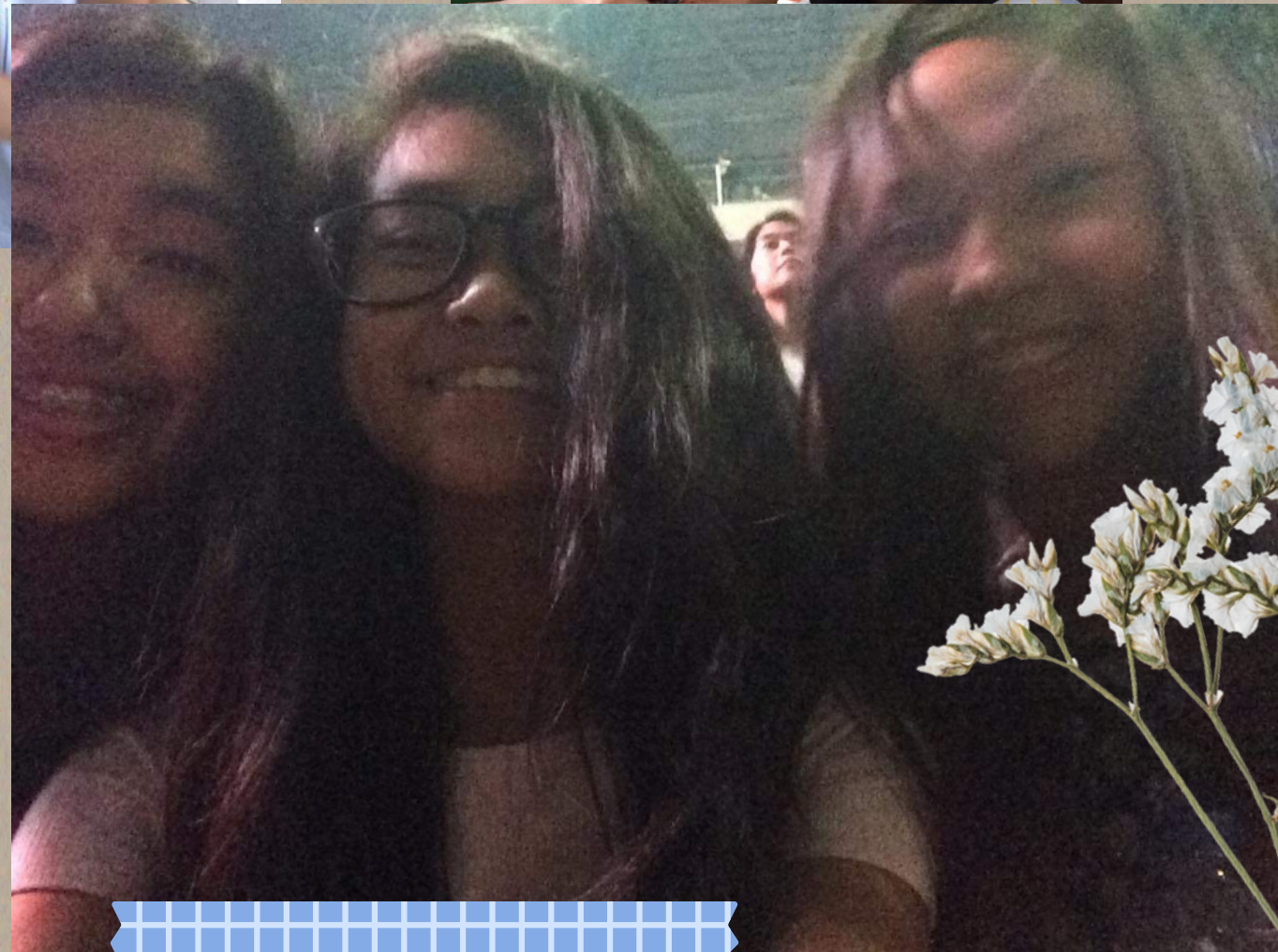


An actual kirby cartoon to act as a placeholder for my polygon project in Math! I was groupmates with Danni and Miguel.

A self-introduction drawing for Artist Pool ft. Piero and Christian.

A model of the characters of the Little Prince. I worked with Rain, Sophie, Jedi

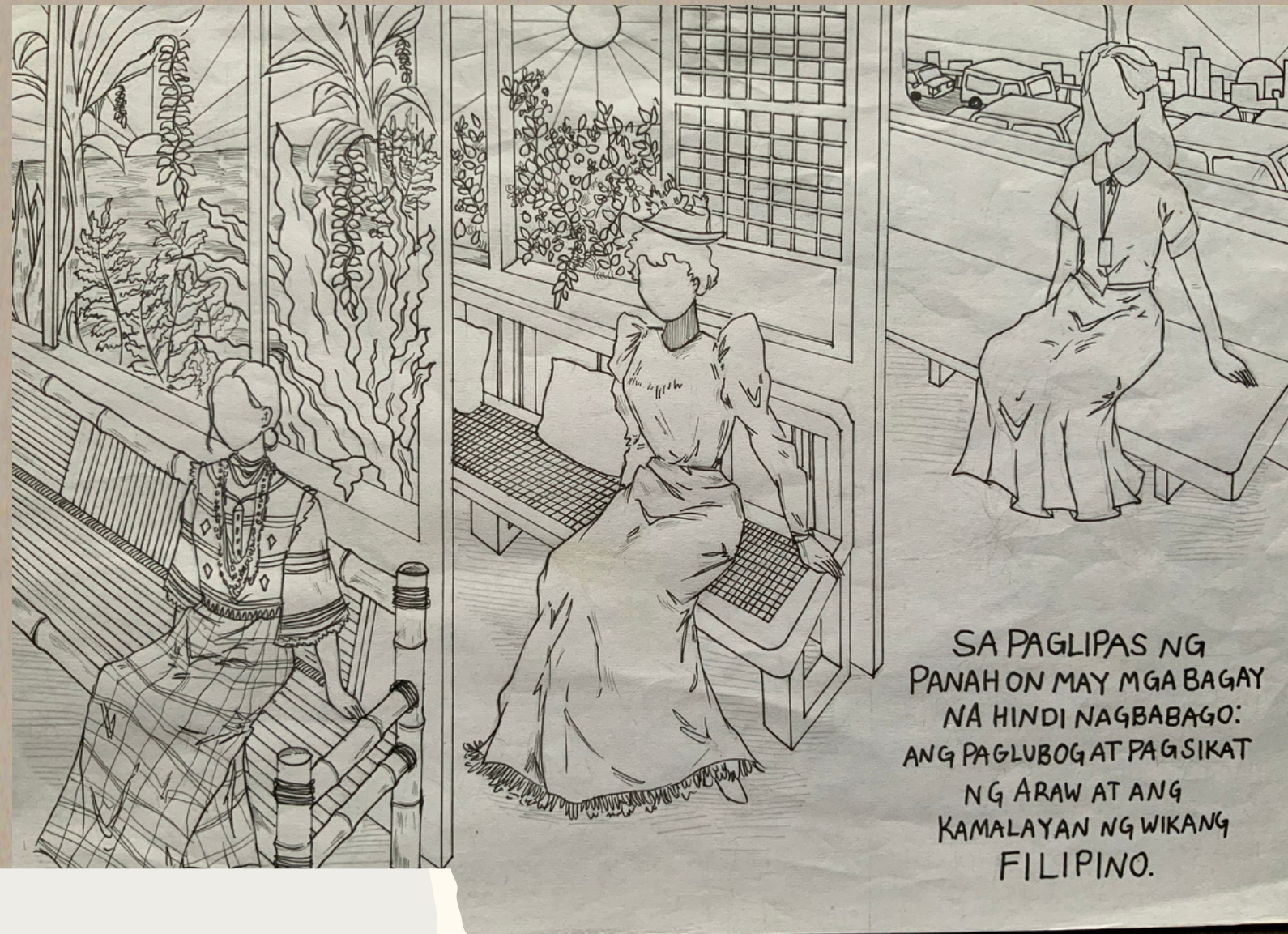




## Grade 10 with Teacher Marj

- This was the year where I really began to get more comfortable with my appearance. In Grade 10, I began to wear earrings every day to school.
- Math house project!!
- I sat at the last row of tables in Teacher Marj's classroom. Her room had my favorite view of the big starfruit tree beside the school. It was also really bright. The only downside of staying at the very back is that sunlight would make the top of the tables really hot.





The inked work was a task for Filipino. We had to make a quote on the value of the Filipino language and create an artwork based on it.

The two pictures on the right. are the front and back of my House Project brochure. I think my house turned out okay (it is in school so I can't include a picture). I did really well in making the roof and painting the lawn.



I helped paint the two driveway murals of the Monetssori campus.

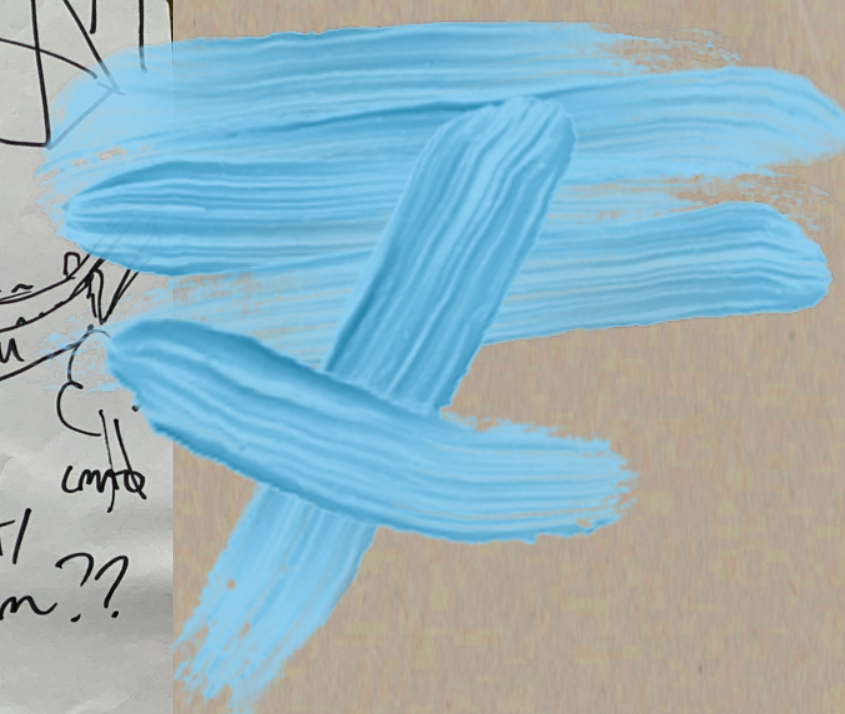
The first one, which is the mural full of children, was done in the summer of 2015, before Grade 7. My best friend, Rain, and I worked on it together over the course of two weeks. We would attend the summer dance team work shop and then stay behind to finish painting for the day.

The second mural (with the Batibot sun and Rocket) was done in the summer of 2018, before Grade 11. I worked on it again with Rain and with Paolo, a former student one year our junior. The new combination was kind of awkward at first, but we eventually got into the groove of working together.

We finished the second mural exactly on the 100th day of the passing of Teacher Andrew, COLF's long time art teacher. We did not plan for it to happen. We had actually intended on ending early and finishing the mural the next day. But when Teacher Amigo told us (T. Andrew's son) there was no option but to finish that day!

The Montessori Murals were started by Teacher Andrew, Rain, and I. 3 years later, we finished it for him.

The two pictures on the right are the sketches of the murals that we prepared before painting.





2nd Mural @ 2018



Before --->



1st Mural @ 2015



Finally....

# Senior High School

Senior High was wild! It was stressful, tiring, and at times daunting, but it was also one of the most relaxed and enjoyable years I've spent with my class.

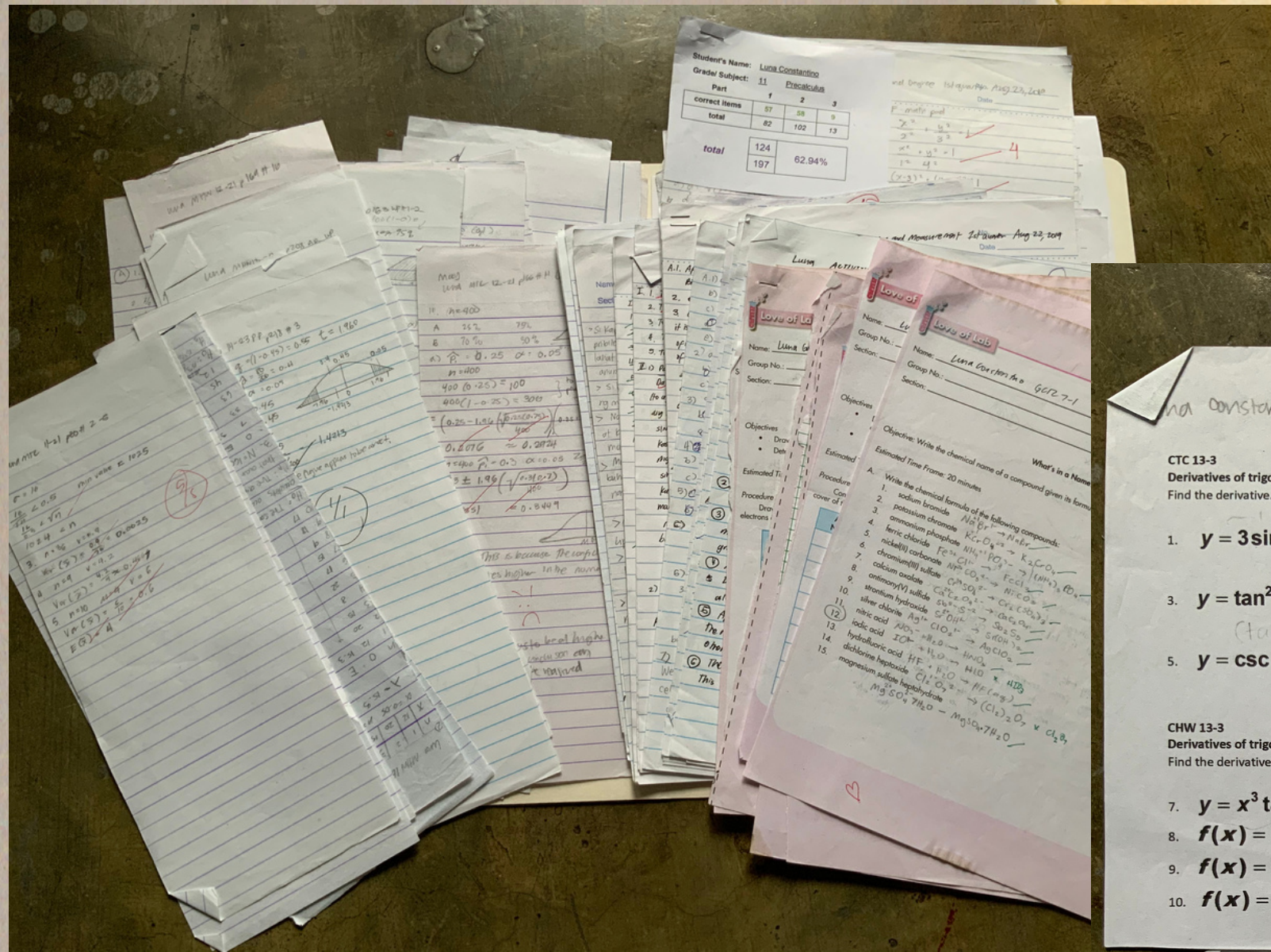




## Grade 11 with Teacher JJ

- To be honest, I felt very apprehensive about going into Grade 11 because my closest friends moved to different schools. I was worried about class tension and drama. However, Grade 11 proved to be the most chill year of my high school life. The class really matured and felt more united than before. An overall positive atmosphere was stayed consistent throughout the year.
- I was a STEM student!
- Teacher JJ!





CTC 13-3  
Derivatives of trigonometric functions  
Find the derivative.

- $y = 3\sin x + 3\cos x - \tan x$
- $y = 2\cos^2 x$
- $y = \tan^2 x + \sec^2 x$
- $y = 1 - \sin^2 x$
- $y = \csc x$
- $y = -2\cot x + 3\cot^2 x$

CHW 13-3  
Derivatives of trigonometric functions  
Find the derivative.

- $y = x^3 \tan x$
- $f(x) = \tan x \sec^2 x$
- $f(x) = \tan^3 x \cos^2 4x$
- $f(x) = \sec^3 x \sin^2 x$

LUNA PRE-CALCULUS part 1-1

**MATRICES**

- DETERMINANT**:  $\begin{vmatrix} a_1 & b_1 \\ a_2 & b_2 \end{vmatrix} = a_1 b_2 - a_2 b_1$
- MULTIPLYING**:  $K \begin{bmatrix} a_1 & b_1 & c_1 \\ a_2 & b_2 & c_2 \\ a_3 & b_3 & c_3 \end{bmatrix} = \begin{bmatrix} Ka_1 & Kb_1 & Kc_1 \\ Ka_2 & Kb_2 & Kc_2 \\ Ka_3 & Kb_3 & Kc_3 \end{bmatrix}$
- CRAMER'S RULE**:  $a_1x + b_1y = c_1$ ,  $a_2x + b_2y = c_2$
- INVERSES**:  $\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix} = [A]^{-1} [B]$
- 3x3 DETERMINANT**:  $\begin{vmatrix} a_1 & b_1 & c_1 \\ a_2 & b_2 & c_2 \\ a_3 & b_3 & c_3 \end{vmatrix} = a_1 \begin{vmatrix} b_2 & c_2 \\ b_3 & c_3 \end{vmatrix} - b_1 \begin{vmatrix} a_2 & c_2 \\ a_3 & c_3 \end{vmatrix} + c_1 \begin{vmatrix} a_2 & b_2 \\ a_3 & b_3 \end{vmatrix}$
- CRAMER'S RULE (3x3)**:  $x = \frac{D_x}{D}$ ,  $y = \frac{D_y}{D}$ ,  $z = \frac{D_z}{D}$

**TRIGONOMETRY**

- $\sin = \frac{\text{OPP}}{\text{HYP}} = \frac{y}{r}$ ,  $\csc = \frac{r}{y}$
- $\cos = \frac{\text{ADJ}}{\text{HYP}} = \frac{x}{r}$ ,  $\sec = \frac{r}{x}$
- $\tan = \frac{\text{OPP}}{\text{ADJ}} = \frac{y}{x}$ ,  $\cot = \frac{x}{y}$
- RADIAN TO DEGREES**:  $1 \text{ radian} = \frac{180^\circ}{\pi \text{ radians}}$
- DEGREES TO RADIAN**:  $\pi \text{ radians} = 180^\circ$
- ARC LENGTH & CENTRAL ANGLE**:  $s = r\theta$ ,  $\theta = \frac{s}{r}$ ,  $s = \text{arc length}$
- LINEAR SPEED**:  $v = r\omega$ ,  $\omega = \text{angular speed}$
- REVOLUTION**:  $2\pi \text{ radians}$

# DETERMINING PURE SUBSTANCES AND MIXTURES WITH PAPER CHROMATOGRAPHY

LUNA CONSTANTINO  
General Chemistry, Grd. 11, QT. 1  
July 5, 2019

1 good title  
T-4  
A-3  
I-4  
M-3  
R-3  
C-4  
R-5  
A-5  
38/40

## ABSTRACT

This paper focuses on the process of paper chromatography (ascending type) and discusses how it can be used to discern pure substances from mixtures. The experiment this paper is based on is divided into two parts with similar procedures: the first half with a highlighter and water pairing, and the second with food dye and alcohol. The experiment was successful and achieved its primary objective.

## INTRODUCTION

Paper chromatography is a process that is commonly used to separate solutions of "soluble substances", often colored ink or dyes (Separation and Purification, BBC). By attempting to see if a solution can be separated or not, the results reveal if a substance is a pure substance or a mixture. Paper chromatography has two phases: stationary phase and mobile phase. The stationary phase is water (solvent) is stationary when the solvent moves through the substances. The second phase is their difference in polarity (2018). The experiment of paper chromatography, with a suspended strip of paper, can identify pure substances.

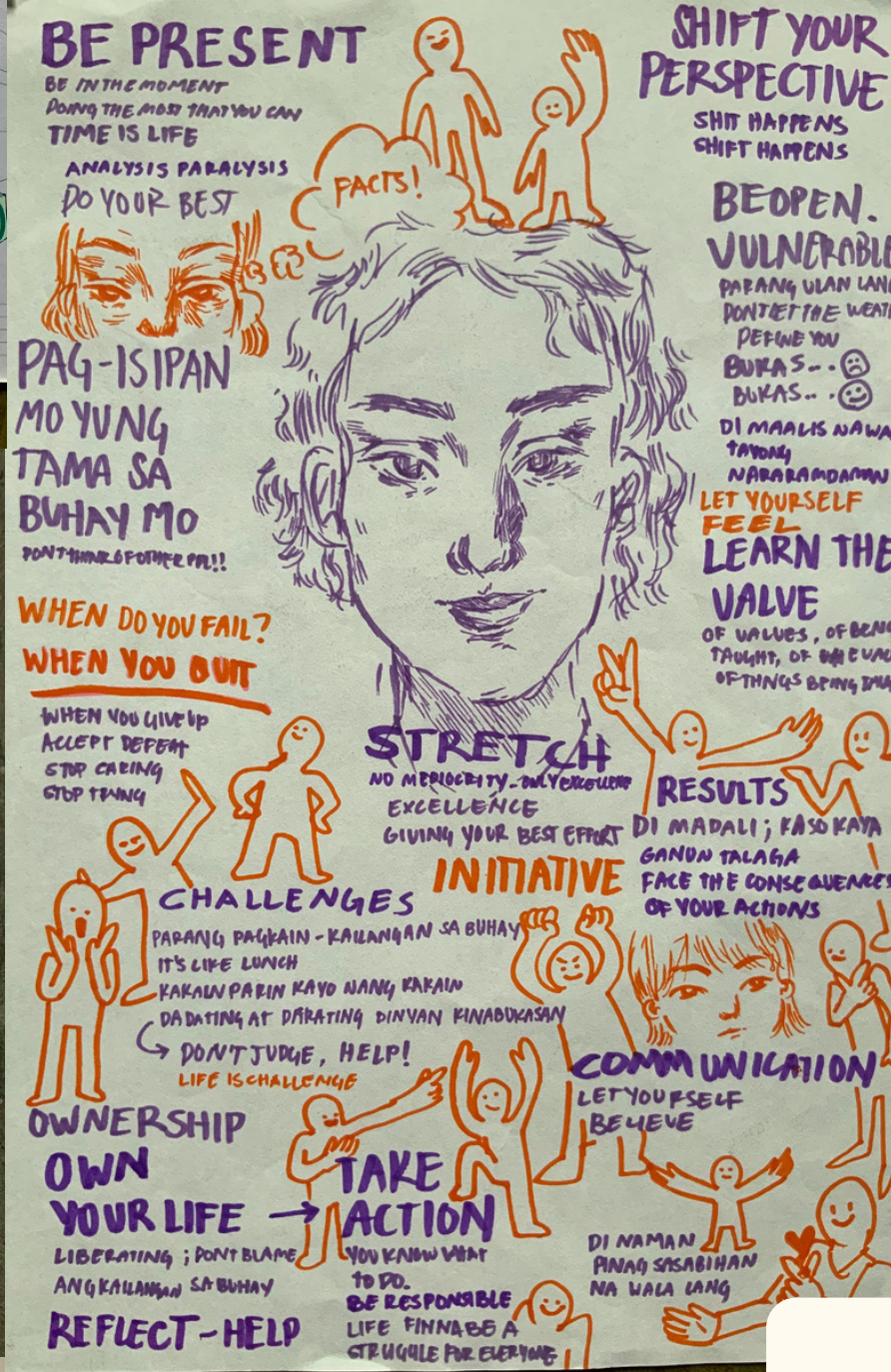
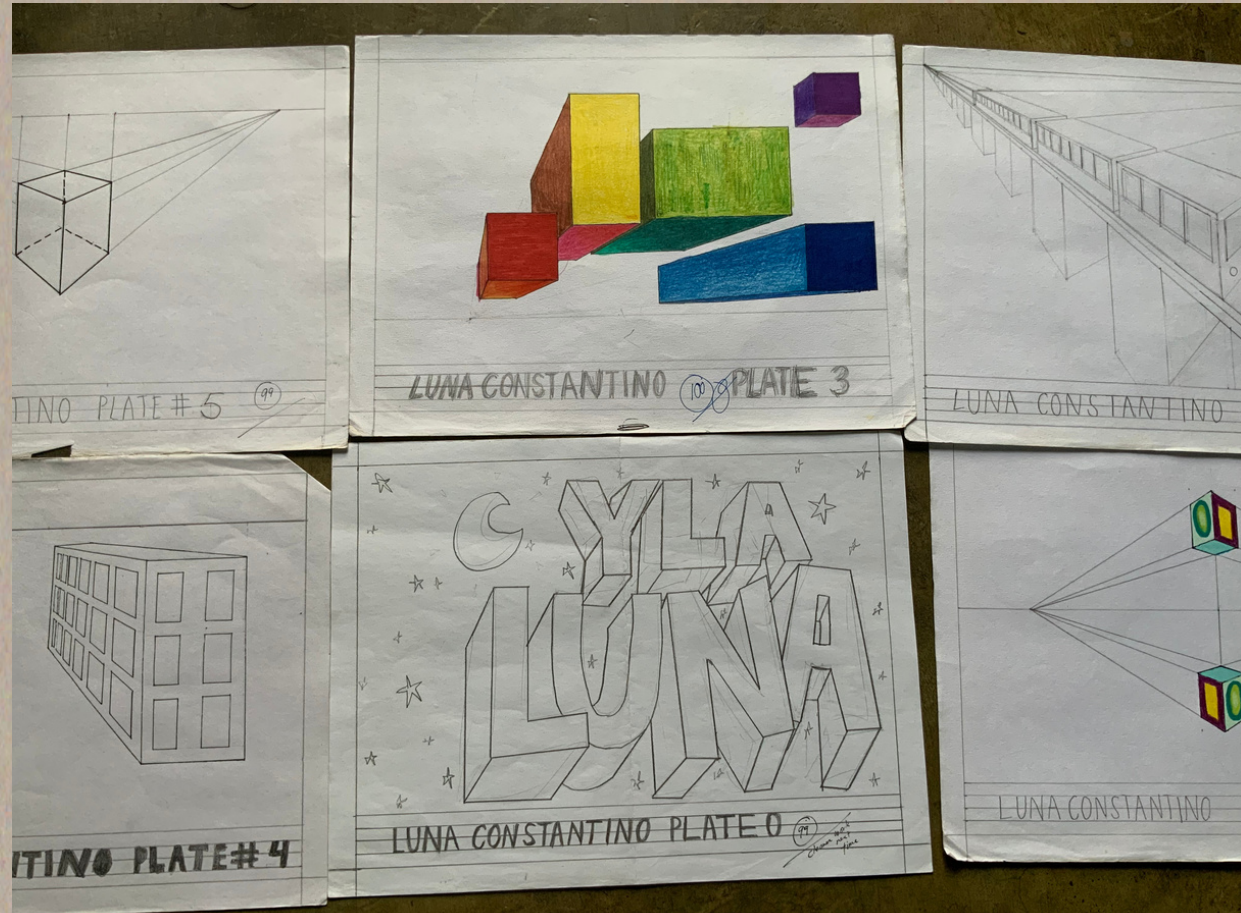
Still, I don't regret joining STEM! I had fun there with my trackmates, I loved my teacher, and I also learned a lot.

No hour of practice is wasted. The outcome might just not turn out the way you expected it to!

I find it funny that I actually learned calculus and business math and stoichiometry. Hahaha! Peep my 65% scored on the calc exam LMAOOO

I was originally a STEM student before shifting to the Arts & Design Track! I transferred during the summer between Grade 11 and Grade 12 after finally realizing that art was the only thing I enjoyed doing and could do well in.

It took me my whole high school life to reconcile my relationship with art. If you're feeling lost, it's okay. You will figure it out. Just keep thinking about yourself!



My first ever digital work hahaha

**Sensei**  

STAGE 2



NO. 042 Wise Pokémon HT: 3'5" WT: 56.65 lbs

**HIMIG NG KABATAAN 2020: BALIKTANAW**  
Let's go back in time to the Hot 2000s!

 **When** **31**  
April 1, 2020 - Wednesday - 6:00-8:30PM

 **Where** **197**  
Greenhills West Clubhouse - 34 Roosevelt, San Juan, 1500 Metro Manila

weakness -  x2    resistance -  
retreat -  

Revisit. Reminisce. Remember.

©2013 Pokémon/Nintendo **P120**

**Ben Tennyson**  **HP100** 

STAGE 1



NO. 010 Alien Pokémon HT: 4'9" WT: 70.2 lbs

**HIMIG NG KABATAAN 2020: BALIKTANAW**  
Let's go back in time to the Hot 2000s!

 **When** **31**  
March 31, 2020 - Tuesday - 6:00-8:30PM

 **Where** **197**  
Greenhills West Clubhouse - 34 Roosevelt, San Juan, 1500 Metro Manila

weakness  x2    resistance  
retreat  10 minute cool down

Revisit. Reminisce. Remember.

**P120**

**Barbie**  **HP500** 

BASE



NO. 018 Pink Pokémon HT: 5'9" WT: 129.64 lbs

**HIMIG NG KABATAAN 2020: BALIKTANAW**  
Let's go back in time to the Hot 2000s!


 **When** **31**  
April 1, 2020 - Wednesday - 6:00-8:30PM

 **Where** **197**  
Greenhills West Clubhouse - 34 Roosevelt, San Juan, 1500 Metro Manila

Faiblesse  x2    Résistance  
Retraite  

Revisit. Reminisce. Remember.

©2017 Pokémon **P120**


**PowerPuff Girls**  **HP143** 

STAGE 2




NO. 003 Balloon Pokémon HT: 3'2" WT: 39.5 lbs

**HIMIG NG KABATAAN 2020: BALIKTANAW**  
Let's go back in time to the Hot 2000s!

 **When** **31**  
March 31, 2020 - Tuesday - 6:00-8:30PM

 **Where** **197**  
Greenhills West Clubhouse - 34 Roosevelt, San Juan, 1500 Metro Manila

weakness  x2    resistance    retreat cost  

Revisit. Reminisce. Remember.

©1995-2000 Nintendo, Creatures, GAMEFREAK. **P120**

Himig Tix

**COSMIC  
HONEY**  
A Centennial Journey



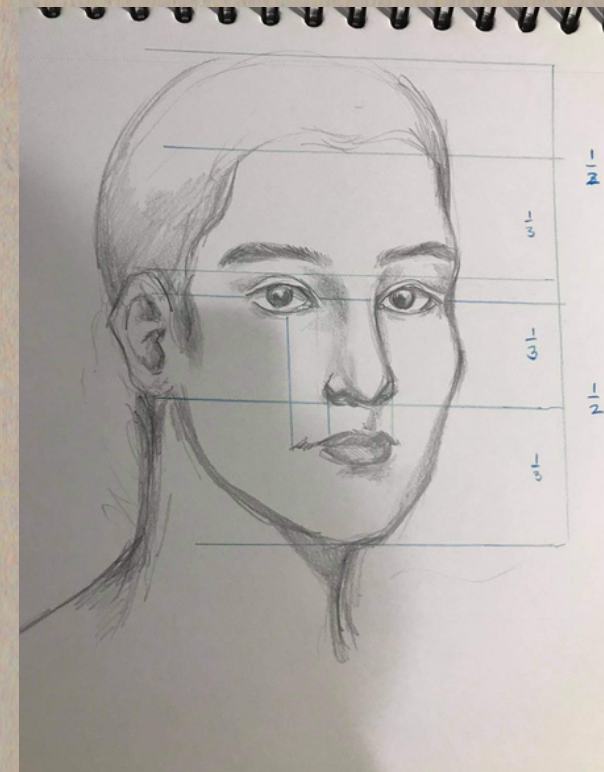
Love from Palawan

"What will you want to remember after a hundred years?"

#WhatYouRemember  
#TamisNgBuhay



These are some of the requirements I did to shift to the AD Track! (Excluding the vision board above).



GET TO KNOW THE PLANTS OF COLF:  
**THE AIR DEFENDERS**

**ALOE VERA** *Aloe Barbadensis miller*

The Aloe Vera is a well known medicinal plant. Its health benefits have been recognised and used in both commercial and home made products for a millennia! Some of these benefits include the ability to heal burns, moisturise and soothe the skin, and improve digestive and oral health.



*Sansevieria trifasciata* **SNAKE PLANT**



The Snake Plant is a succulent that can grow anywhere from 6 inches to 12 feet! It is a resilient plant with stiff and upright leaves. The Snake Plant is considered an "ideal bedroom plant" because it prevents/decreases airborne allergens by cleaning the air of cancer-causing pollutants like CO2. It is one of the only plants that can convert CO2 into Oxygen!

**DEVIL'S IVY** *Epipremnum aureum*

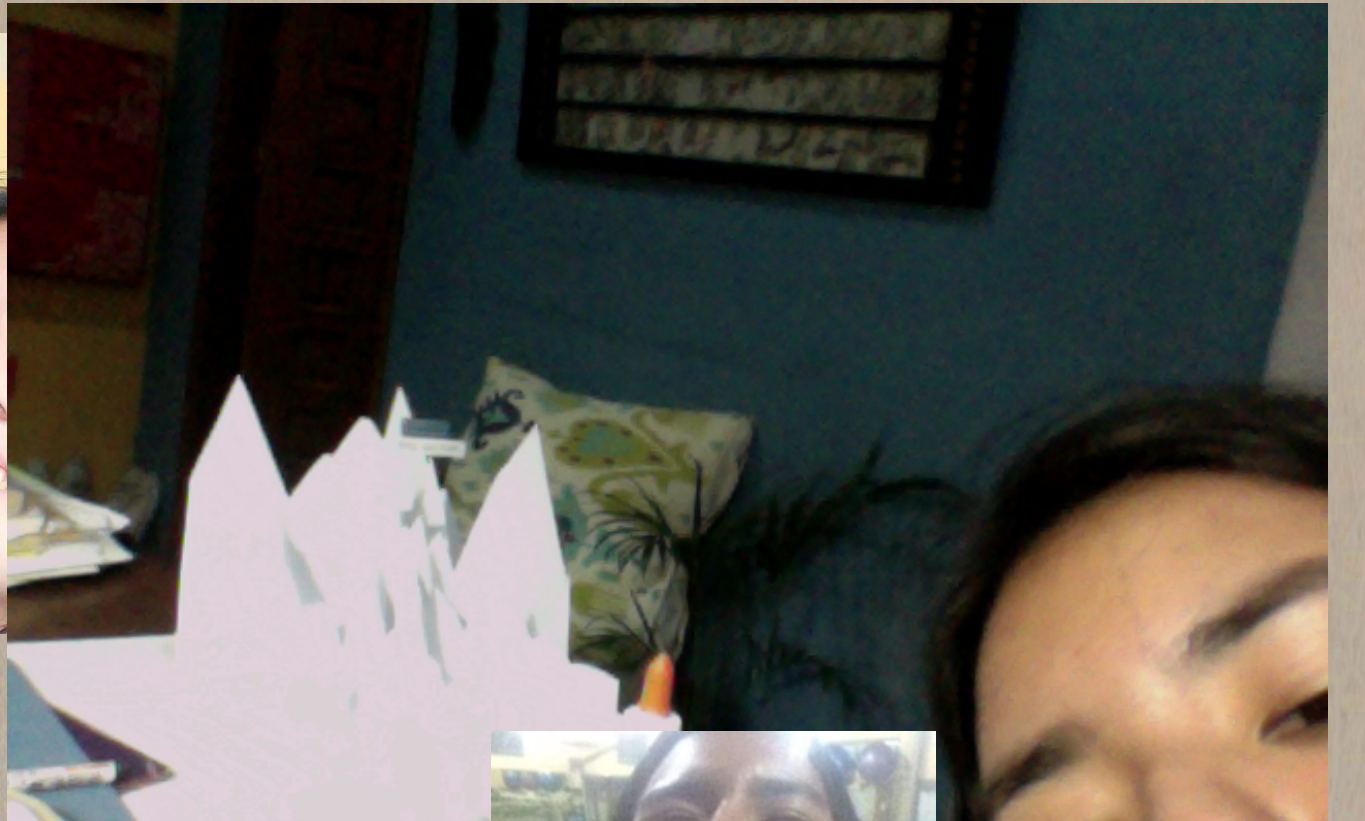
This plant is called the "Devil's Ivy" because it is incredibly hard to kill. Devil's Ivy survives neglect and harsh conditions; it stays green even in the dark! This makes it very easy to care for. Devil's Ivy is great at ridding the air of pollutants like benzene, trichloroethylene, xylene, and formaldehyde. It is also known as "Golden Pothos", or "Money Plant"!



*Sansevieria bacularis* **BACULARIS**



The Bacularis is also a sturdy plant that thrives even when it is ignored! It is a kind of stemless tubular succulent. The Bacularis filters air toxins and absorbs air pollutants such as Nitrogen Oxides (NOx) and Carbon monoxide (CO).





## Grade 12 with Teacher Maite

- Lesson 1 from Grade 12: When you are overwhelmed and stuck and sad, just take a deep breath and do the next right thing. It is hard to remember this advice when you are going through a down period, but when you do, I hope you grab onto it and hold the good things as tightly as you can. Pull yourself up the ledge. It's okay.
- Lesson 2 from Grade 12: I want to let everyone know that confidence is just consistent courage. So keep trying. You can just think of confidence (as well as other social things you might be struggling with) as another skill that can be honed through practice. You'll get there. I believe in you!





My new track mates!!



Piero - Luna - Brian  
AD strong!!!

Nestlé Search Home Buddy Shop About Rain\_Master

# Log-in!

Username

Password

Haven't signed up yet? [click here!](#)

# CHUCKIE

Your chocolatey buddy!

PLAY NOW →

Nestlé Search Home Buddy Shop About Rain\_Master

## November 2020

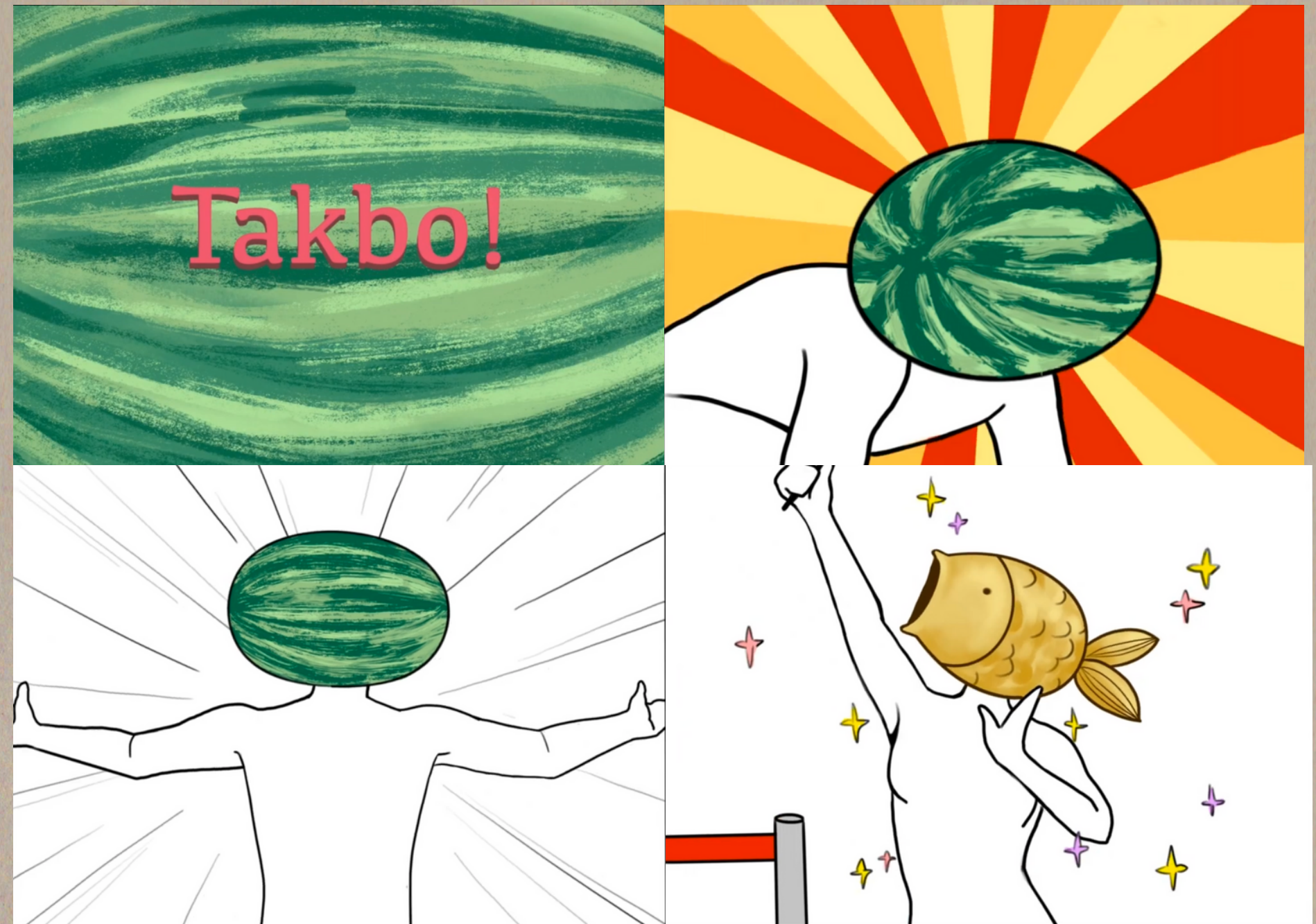
Sun	Mon	Tue	Wed	Thurs	Fri	Sat
1	2	3	4	5 ●	6	7
8	9	10	11 ●●	12	13	14
15	16 ●	17 ☆	18 ☆	19 ●	20	21 ●
22 ●●	23 ●	24	25 ○	26	27	28
29	30	1	2	3 ●●	4 ☆	5

### To-do List

**This week**

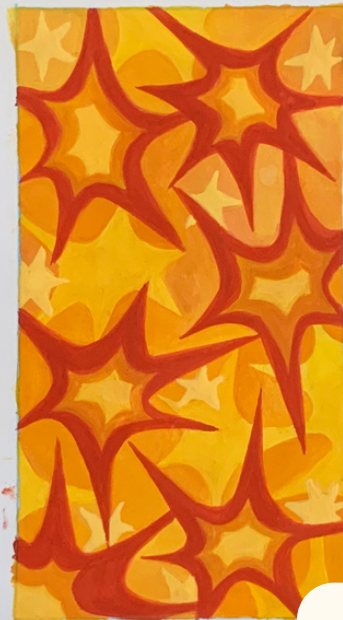
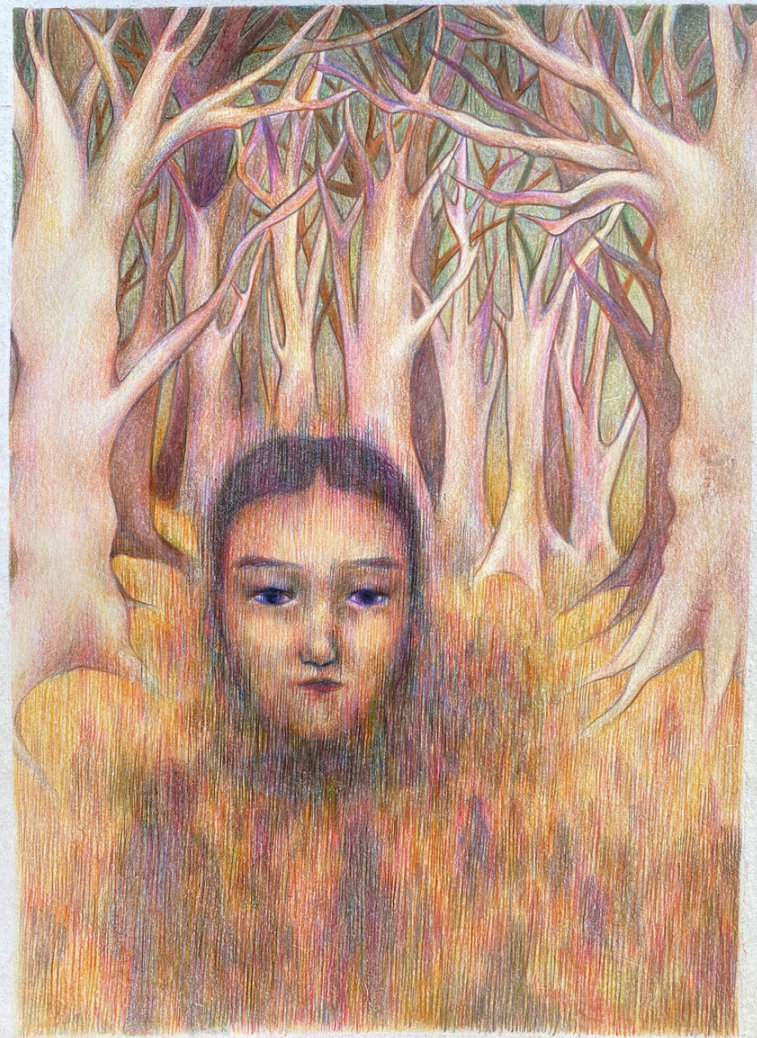
- SSTC 3-1: World...
- MTC 3-2: Fractio...
- FTA 3-1: Tula
- ETC 3-4: Short Ess...
- ☆ Quiz: Music

Today: 11/25/20



Some Apprenticship plates!

Shifting to AD was the best decision  
I could have made ^0^



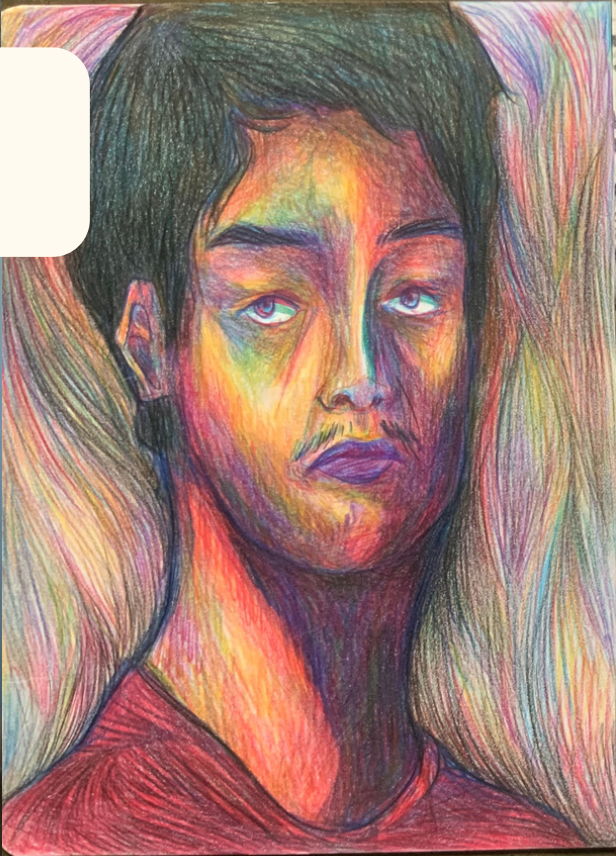
Some Filipino Identity Plates



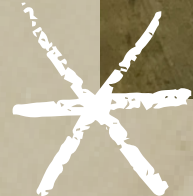
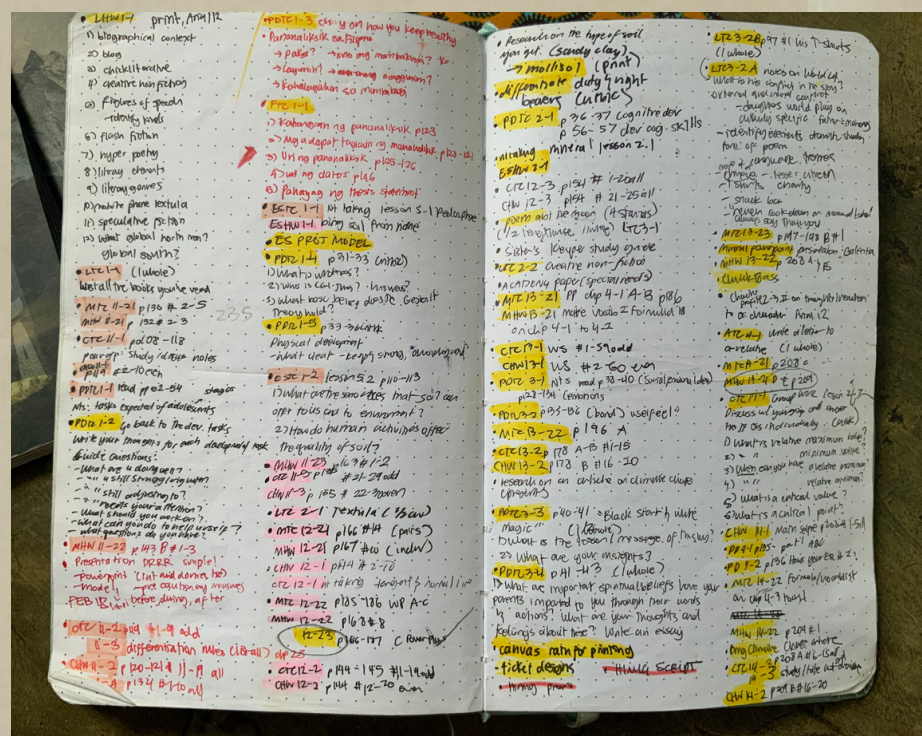
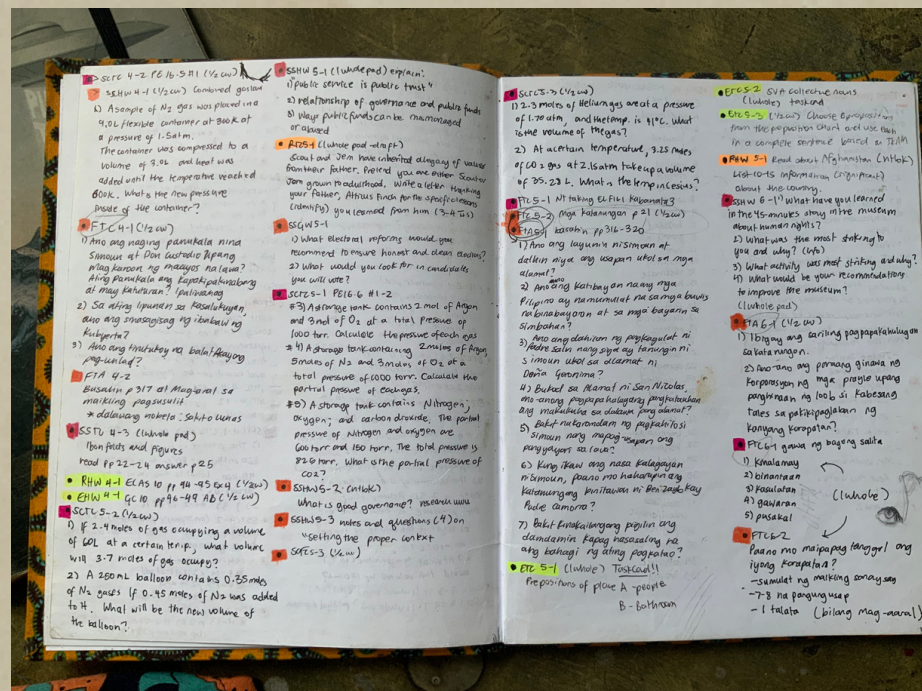
Other subject artworks and doodles during class



TO BUILD A HOME

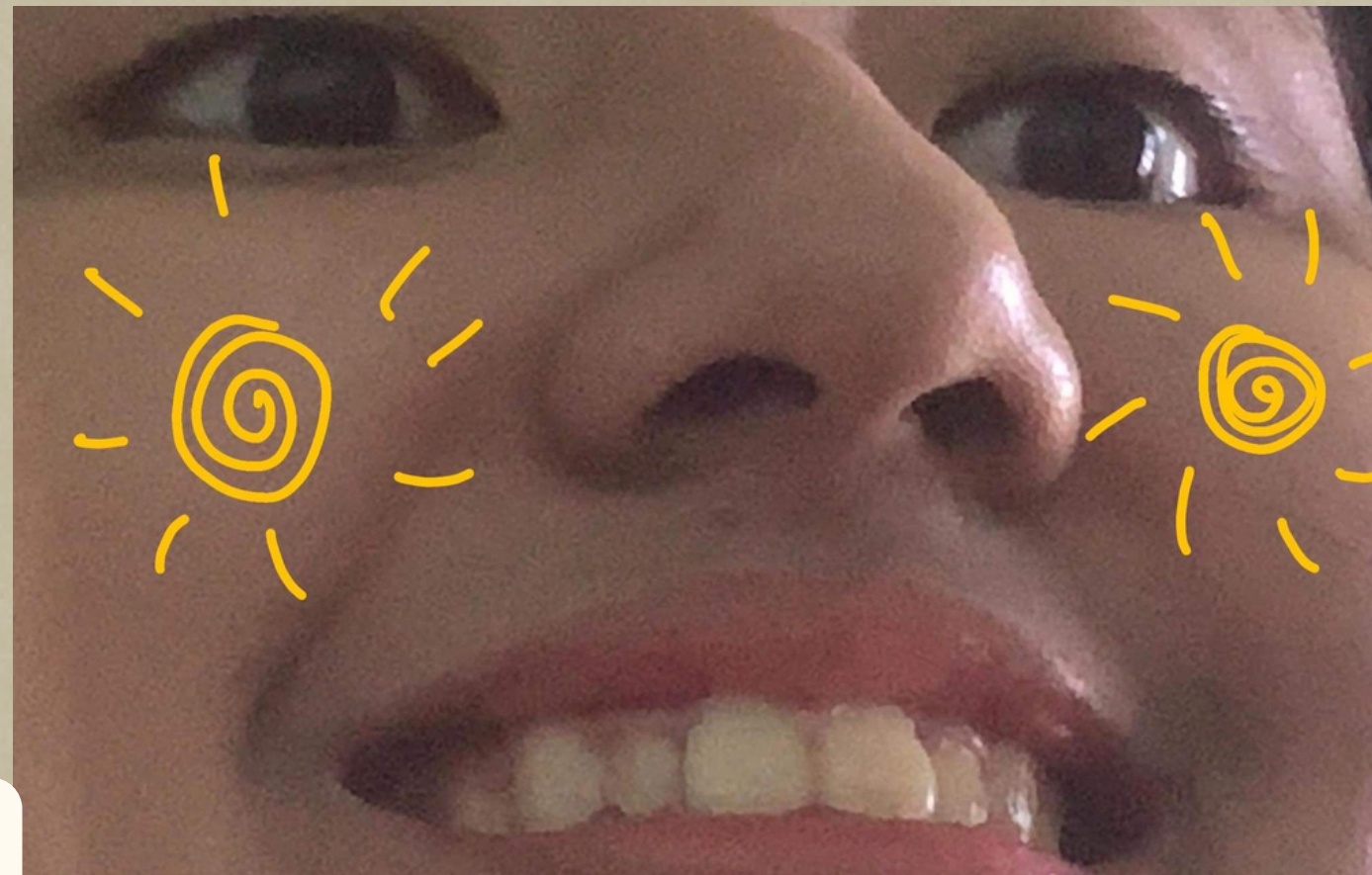








T. JF and T. JJ.... I lost our photos huhuhu... Next time I promise T\_\_T saranghae B)



2020 - 2021 Luna :D







# To Batch '21...

Thank you so so much. I am proud of you for reaching this far  
and I am rooting for your success and happiness. See you  
next time!

"In the days that feel the same,  
I'm the happiest when I meet you  
In my everyday life that is different every day,  
the person that is you is the most special to me

Everything's alright, right?

If it's too fast, it's a bit dangerous  
If it's too slow, it's a bit boring  
So that it's not too fast,  
or too slow,  
let's go at our own pace  
This is a rollercoaster that is quite long and fun

Although we're apart now,  
our hearts are the same  
Even when you're not next to me, yeah,  
even when I'm not next to you, yeah,  
we all know we're together"

-BTS, Telepathy (잠시)

credits to doolsetbangtan lyric translations