MEDIA ART NEXUS

by Shariffah Nur Alawiyah

content page

theme research

The repurcussions of climate change in Singapore

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themes

Rising Sea Levels

Due to Singapore being a low-lying island, sea level rising is the most immediate threat where 30% of our island being less than 5m above Singapore Height Datum.

Dry Spells/ Flash floods

Global warming has resulted in periods of droughts and sudden intense rainfalls which affect the reliability of our water resources and overwhelming our drainage system.

Southeast Asian Haze

Caused by illegal agricultural slash and burn method of clearing land and selling it illegally. Occurs mainly in Indonesia which severely affects its neighbouring countries.

theme research

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The repurcussions
of climate change
in Singapore

themes

**Vector-borne
Diseases**

The rise in temperature could
potentially lead to a rise in
vector-borne diseases that
thrive in warmer temp.

This could threaten public
health.

**Deforestatation, Flyways
& Urbanisations**

The rising temperatures, deforestations and urbanisations in
Singapore meant that loss of biodiversity is higher than ever.
Loss of wildlife homes are affected as we encroach into their
space.

Migratory routes across Singapore & Indonesia for birds to
travel across are also affected with these clearing of lands,
posing threat to a lot of bird species.

theme research

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Deciding on which
theme to choose

**Rising
Sea Levels**

**Vector-borne
Diseases**

**Dry Spells/
Flash floods**

**Deforestatation, Flyways
& Urbanisations**

**Southeast Asian
Haze**

theme research

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Deciding on which
theme to choose

Rising
Sea Levels

**Vector-borne
Diseases**

**Dry Spells/
Flash floods**

**Deforestatation, Flyways
& Urbanisations**

Southeast Asian
Haze

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approach

moodboard

artist&
techniques

visual
direction

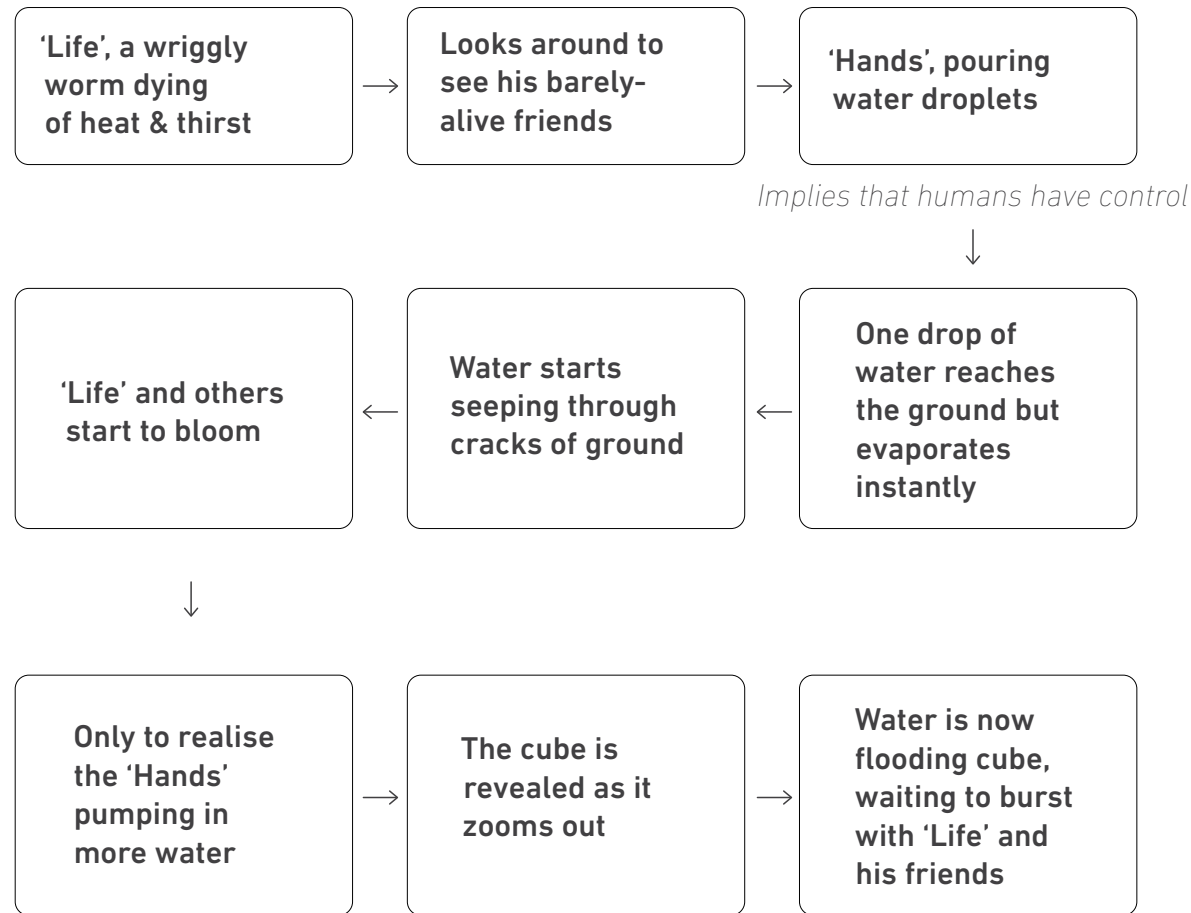appproach, moodboards,
artist references &
techniques used

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Dry Spells/
Flash floods

Dry Spells & Flash Floods

Portrays the reality of climate change through the lens of an abstract form, demonstrating an alternative perspective othering that of humans'

'Life', a wriggly worm dying of heat & thirst	→	Looks around to see his barely-alive friends	→	'Hands', pouring water droplets

Implies that humans have control

↓

'Life' and others start to bloom	←	Water starts seeping through cracks of ground	←	One drop of water reaches the ground but evaporates instantly

↓

Only to realise the 'Hands' pumping in more water	→	The cube is revealed as it zooms out	→	Water is now flooding cube, waiting to burst with 'Life' and his friends

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approach

narrative, storyline, etc

Approach #1: The journey of "Life" going through dry spells & flash floods represented in an abstract form with "Hands" as the invader

Dry Spells & Flash Floods

Johana Kroft: https://foundation.app/@johanakroft

Gleb Kuznetsov: https://dribbble.com/glebich
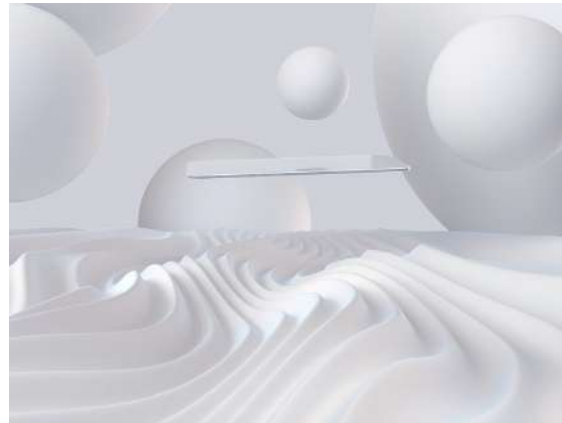
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moodboard
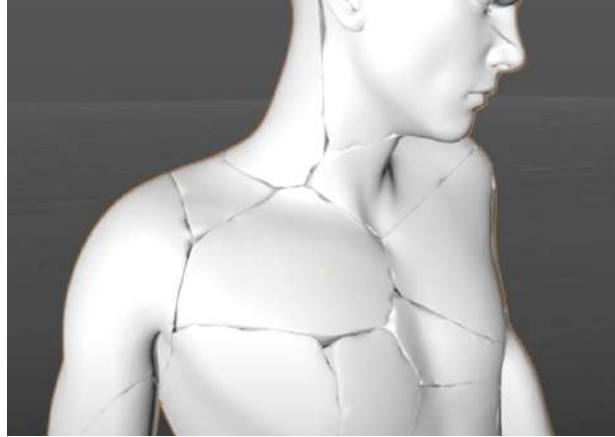
moodboard & artist reference

Approach #1

- Colour
- Monochromatic

Dry Spells & Flash Floods

water droplets falling:
3d modelling spheres and using metaball tool

cracks:
Voronal fracture in Animate function

converting 2d to 3d
illustration from 2d form, to 3d modelling

softbody simulations:
Soft-body dynamics is a field of computer graphics that focuses on visually realistic physical simulations of the motion and properties of deformable objects

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techniques

helpful tutorials

Approach #1

Dry Spells & Flash Floods

Demonstrates the idea of dry spells to flash floods from lowest to highest intensity to create discomfort and urgency in imageries

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Evaporation
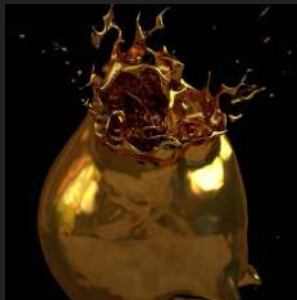

Condensation

Evaporation

Condensation
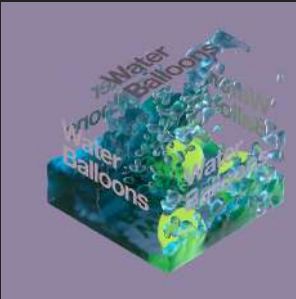
Precipitation

Collection

Precipitation

Collection

approach

narrative, storyline, etc

Approach #2: The depiction of the water cycle, reimagined through the lens of extremity

**Lowest
Intensity**

**Highest
Intensity**

Dry Spells & Flash Floods

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Luke & Morgan Choice: https://www.instagram.com/velvetspectrum/

moodboard

moodboard & artist reference

Approach #2

- Soft & Calm
- Strong & Colourful

George Stoyanov: https://www.instagram.com/georgestoyanov/
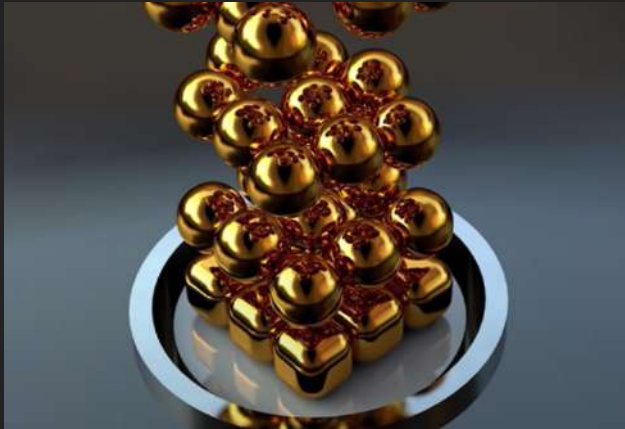
Dry Spells & Flash Floods

water droplets evaporating:
liquid & water simulation
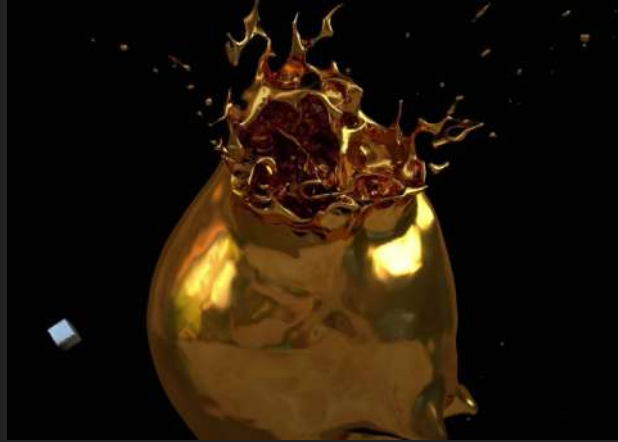
water explosion:
splash animation

evaporating balls:
emitter, turbulence, etc

water flowing in spherical shape:
real flow plugin

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techniques

helpful tutorials

Approach #2

Virus Infestation

Virus infestation

Depicts the disappearing security we're facing in this current times where increasing temperatures may lead to frequent virus outbreaks. Though concept is exaggerated, it's meant to create urgency.

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approach

narrative, storyline, etc

Inspired by: Sticky bomb scene in The Incredibles

A form entrapped in a bubble, protected from the outside.

Virus bomb comes from one side of screen and latches onto box.

Protection bubble bursts and bombards form with virus bombs.

Virus infestation

Roman Bratschi: https://www.instagram.com/romanbratschi/

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moodboard

moodboard & artist reference

Virus bombs

- *Texture play*
- *Colours*
- *Forms*

Virus infestation

texture mapping:
UV unwrapping

abstract renders

p18
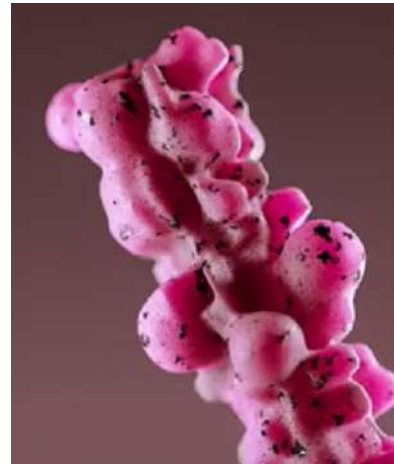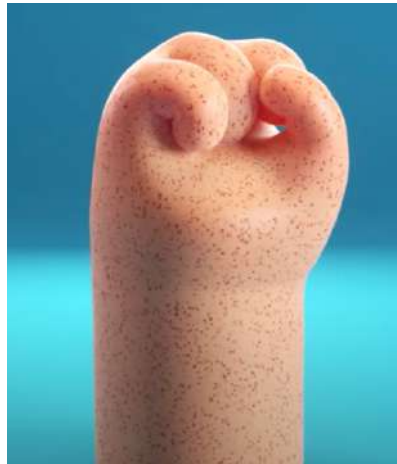
techniques
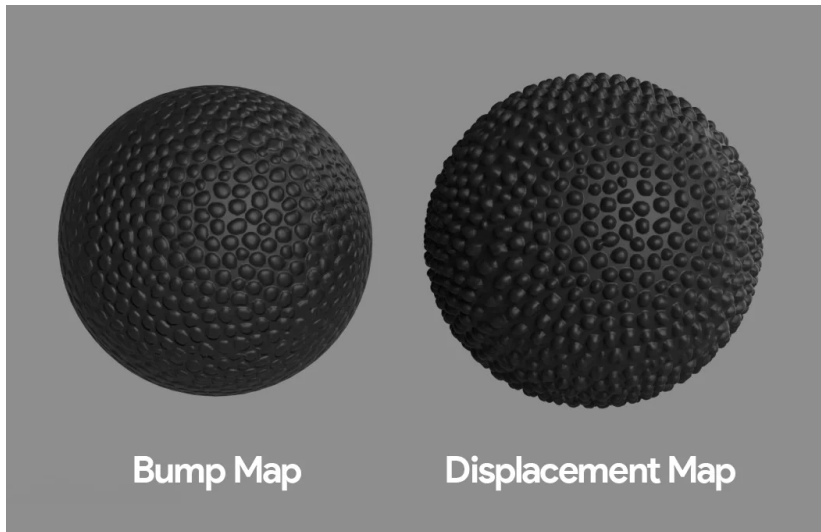
helpful tutorials

texture mapping:
exporting from c4d to keyshot to render

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Deforestation, Flyways & Urbanisations

Deforestation & Urbanisations

**Thought-provoking as to possibilities of future, merging nature with man-made.
A way of living, reimagined.**

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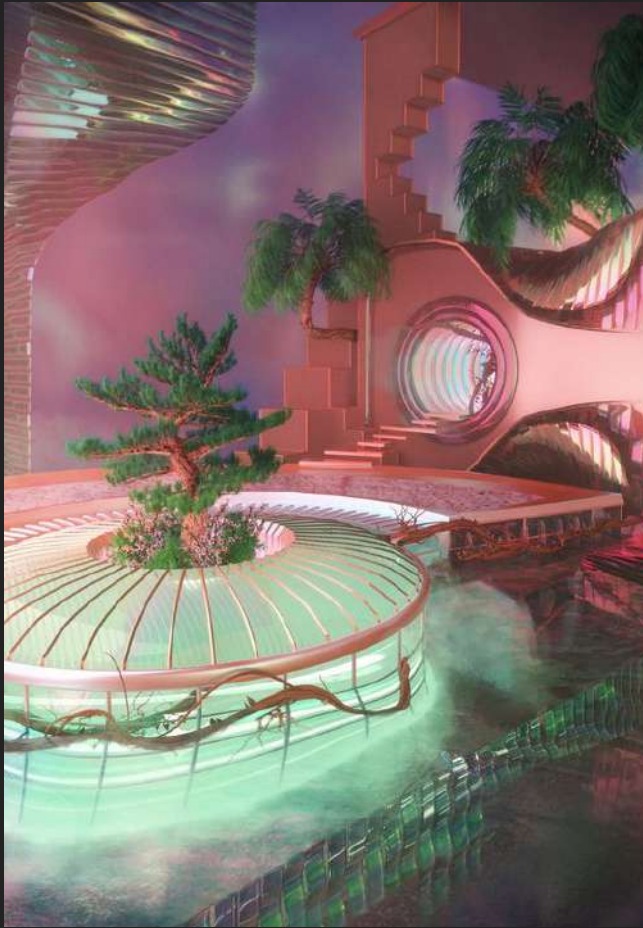
approach

narrative, storyline, etc

*Approach #1: We live in
an urbanised environment,
surrounded by concrete walls.*

*Dreamscape provides an
alternate reality where ideally, we
could live amongst nature in our
communal interior spaces in flats.*

*Plants acts as natural filters,
cools down temperatures without
AC, regulates air, natural healing
to high stress environment.*

Deforestation & Urbanisations

Peter Tarka: https://www.instagram.com/petertarka/
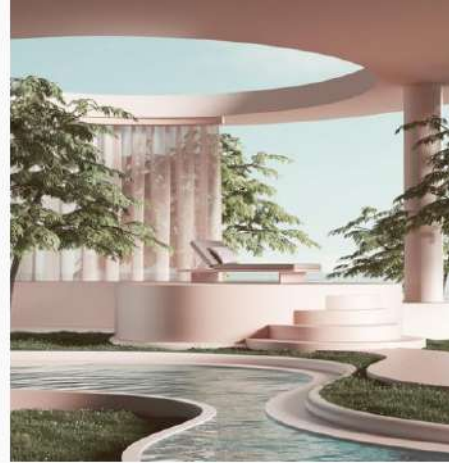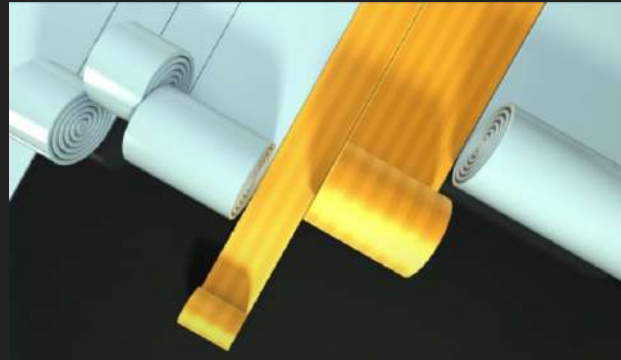

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moodboard

moodboard & artist reference

Approach #1: Realistic/Abstract

- *Greenery*
- *Water features*
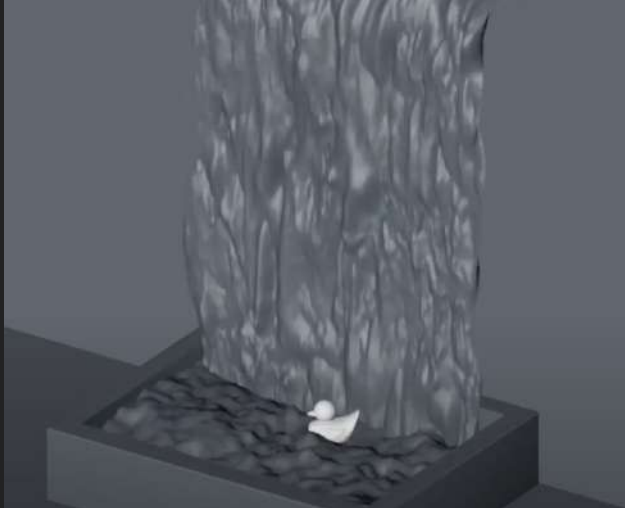- *Flora and fauna*
- *Stone*
- *Open concept*
- *Shadow & Light*

Deforestation & Urbanisations
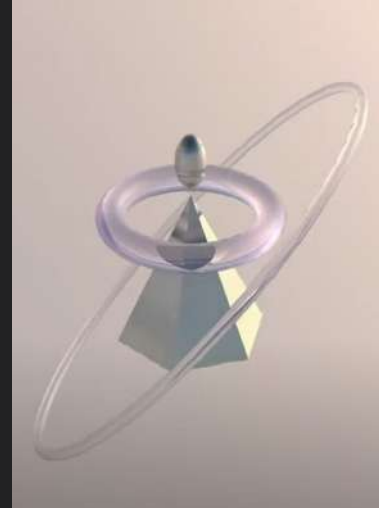

abstract spline effect

unroll/roll effect

waterfall effect

building landscapes

building abstract elements

p22

techniques

helpful tutorials

Approach #1

Deforestation & Flyways

Evoke a sense of loss through attachment to character

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approach

narrative, storyline, etc

Approach #2: Depicted in abstract form.

Follows the story of a cute fluff ball from its decomposing in reverse, back to its journey across sea/land/air.

Deforestation & Flyways

Roman Bratschi: https://www.instagram.com/romanbratschi/

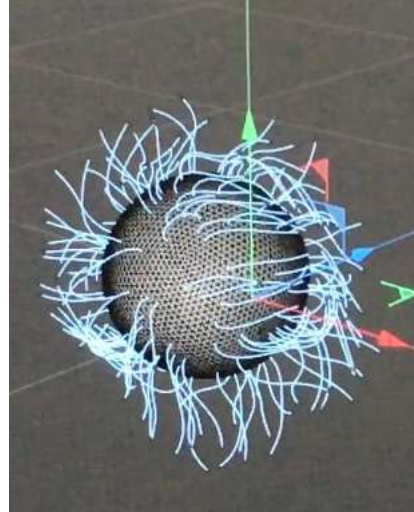**E.J. Hassenfratz: https://www.instagram.com/eyedesyn/**

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moodboard

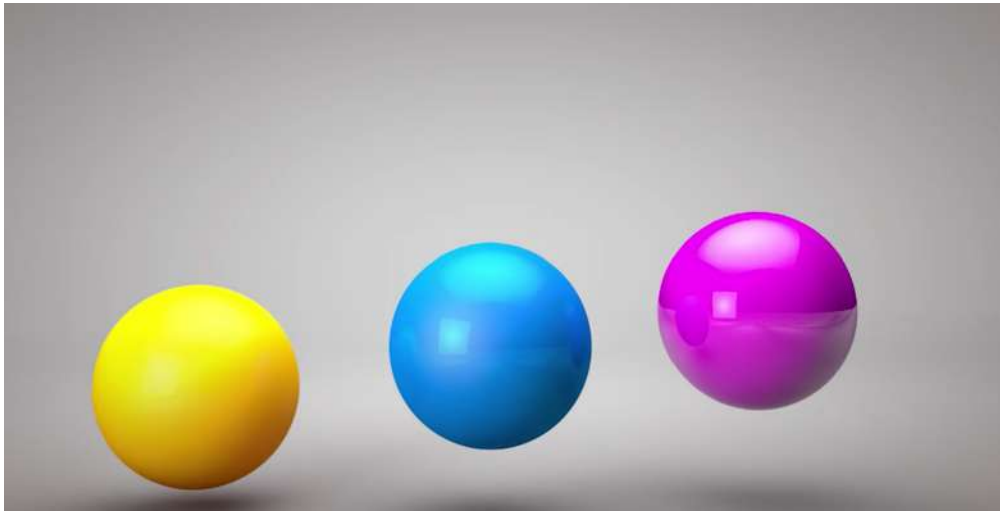moodboard & artist reference

Approach #2

- Surrealistic elements
- Study tiny quirks of characters to adapt into fluff ball
- Fluff ball has no features, but have tiny little gestures

Deforestation & Flyways

fluff ball - my sad attempt

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techniques
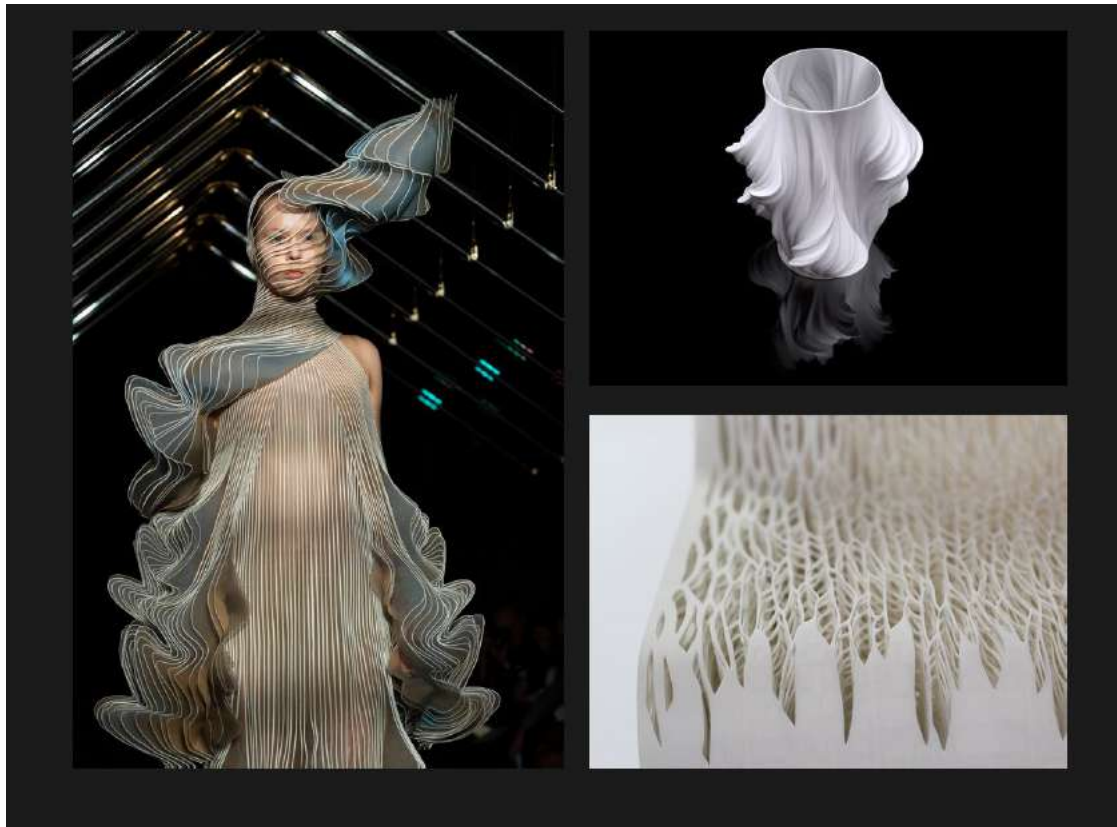
helpful tutorials

Approach #2

bouncing ball effect

Deforestation & Flyways

Signifying life and death through mimicking movement & staleness

Inspired by: Ying Gao

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approach

narrative, storyline, etc

Approach #3

- *Movement signifies life*
- *Life such as coral reefs support abundant life and affects climate*
- *Coralreefs are essential to Singapore's biodiversity*
- *Protects coastlines from storms & erosion = key in islands*
- *Creating a series of movements through abstract forms*
- *'Compare and Contrast'*

Thanks friends :)