

## Secondary School Activity Sheet



Welcome to the exhibition, ***Imaginarium: A Voyage of Big Ideas*** at the Singapore Art Museum at 8 Queen Street.

Are you an explorer always in search of uncharted territories? Or are you an adventurer constantly seeking exciting or unusual experiences? Or perhaps you might be a dreamer, always imagining worlds for yourself and creating worlds for others?

Unleash your creativity in ***Imaginarium*** and get started as an explorer, adventurer and dreamer today!

Name: \_\_\_\_\_

School: \_\_\_\_\_



**Discussion Time**

Observe the picture on the first page.

Can you spot the symbolism in this image?

Discuss with your classmates what you think the exhibition title and this image represents!

There are different versions of a pair of moon adventurers on the walls along the staircase. One example of it is:



Can you spot other versions throughout the exhibition?

1. Create a collage of all the moon adventurers you can find on the walls:



***What do they mean?***

Symbol: an object that represents something else, often something immaterial

Symbolism: the use of symbols to express or represent ideas

Collage: a composition of various materials not normally associated with one another, such as newspaper clippings and fabric, juxtaposed and pasted over a surface

## Explorer

Imagination is the ability to form a mental image of something that is not perceived through the five senses. Imagination makes it possible to experience whole new worlds inside the mind.

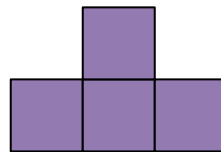
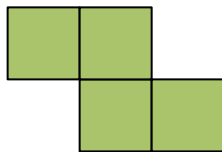
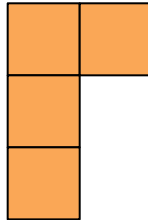
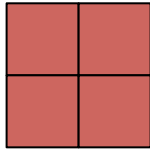
We use our imagination daily – in daydreaming, planning events, inventing things, decorating a room and even in writing compositions.

Imagine you are on a journey to the Moon! How will you get there? Draw the vehicle you will use below and share this with your class.



**Dreamer**

Take a look at the shapes below:



The artist was inspired by the game *Tetris* and imagines the shapes as housing blocks.

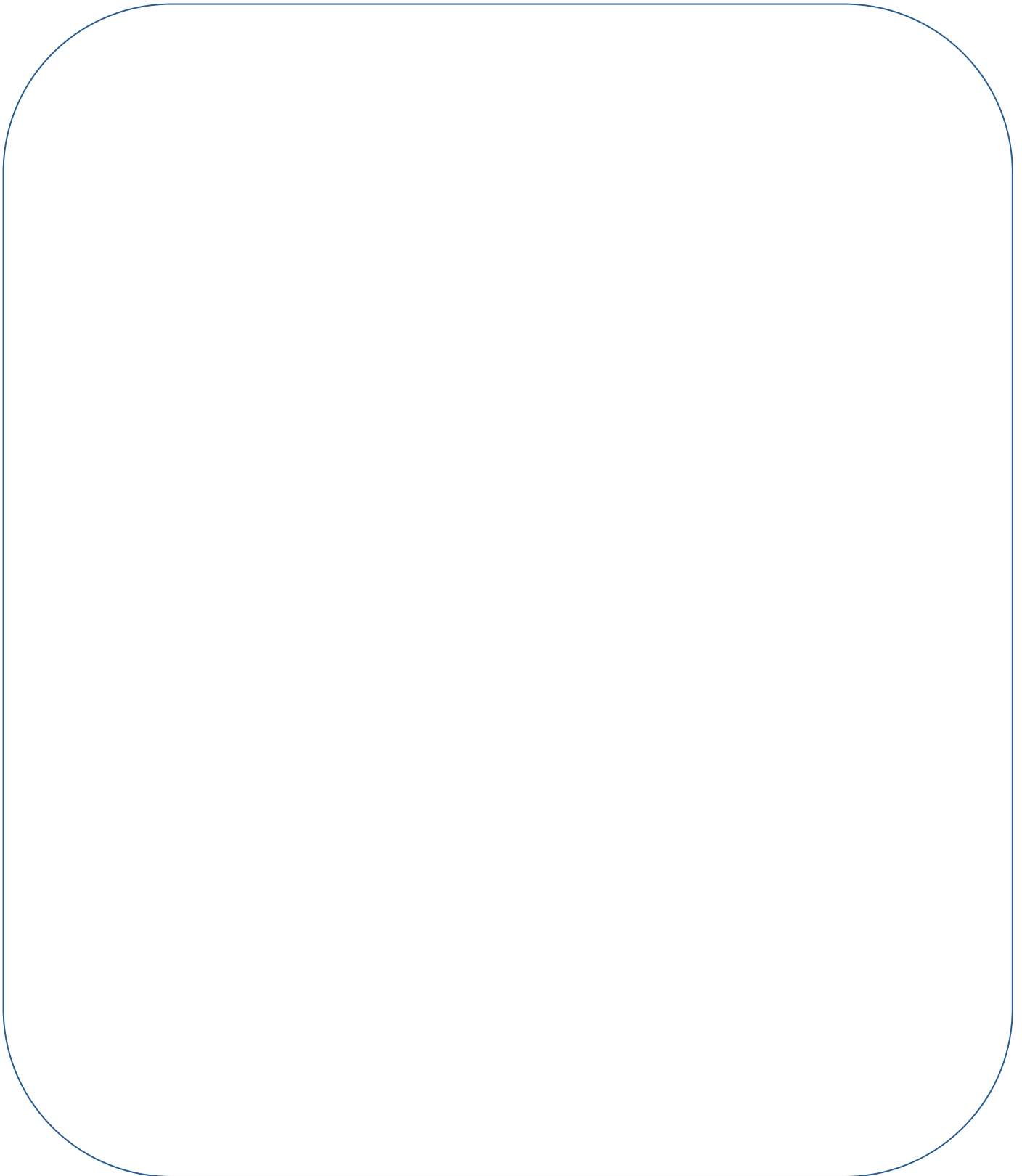
***DID YOU KNOW?***

The word *Tetris* comes from the Greek word “tetra” or “four”.

You might have heard of this word from a computer game that comprises various shapes each made up of four squares falling down a well. The user turns the pieces around and moves them left or right in order to arrange them on top of one another. When a solid line of squares is formed, the line dissolves and all pieces move down by one row.

Housing in Singapore is breaking away from the usual rectangular blocks to more interesting configurations.

2. Design your own high-rise housing of the future with shapes from the previous page.





Enter the first floor gallery

3. Feel the blocks. What materials would you use to build your ideal house in Singapore?

4. Urban Design is the art and science of creating liveable places for people. Using 5 different colours to represent the zones in your estate – residential, green spaces, community facilities, industrial development, and schools, be an urban planner today and create a map of your own neighbourhood:

LEGEND

- Residential
- Green Spaces
- Community Facilities
- Industrial Development
- Schools



Discussion Time

Discuss with a friend why you have planned your neighbourhood in this way.

**DID YOU KNOW?**

Each neighbourhood town in Singapore is built according to the unique features and characteristics of the area. For example, the name Choa Chu Kang is derived from the Teochew word *kang chu*, which means plantation owners. *Chu* is the clan name of the first headman in charge of plantations in the area and *kang* means river.

The [design motifs and features](#) of Choa Chu Kang's first neighbourhood at Teck Whye Avenue reminds residents of the area's rural past. Gambier and pepper plantations used to line the riverbanks, together with *attap* houses, street hawkers and *kampongs*.<sup>1</sup>

Gambier is a type of shrub with woody vines and is a common ingredient in the chewing of betel nuts in Asia.

Teochew is a dialect (a form of language used in a specific region) spoken by people of the Guangdong province in Southeast China. Early settlers from China brought with them their customs, practices and dialects to Singapore.

Do you know of any other dialects spoken in Singapore?

<sup>1</sup> HDB InfoWEB: Housing & Development Board. "Evolving Through The Years". hdb.gov.sg. <http://www.hdb.gov.sg/fi10/fi10320p.nsf/w/AboutUsTownChoaChuKang?OpenDocument>

**Discussion Time**

What is your neighbourhood called? Do you know the origins of its name?

Share them with your classmates!





Fun at Home

Ask if your family member or friends have heard of the game *Tetris* or a similar game. Where did they play this game? Why did they enjoy the game?

Interview your family member or friend and write an account of it here:



**Go to the second level and enter the moonroom**

Do you have any secrets to share with the Moon? Have you often wondered what is on the Moon? How does it shine so bright? Why does it appear as large as an egg yolk on some nights and almost disappears on other nights?

Look for the *Message Transmitter* and write a letter to the Moon about your secrets!

You may also write about your adventures to the Moon! Here are some questions to help you:

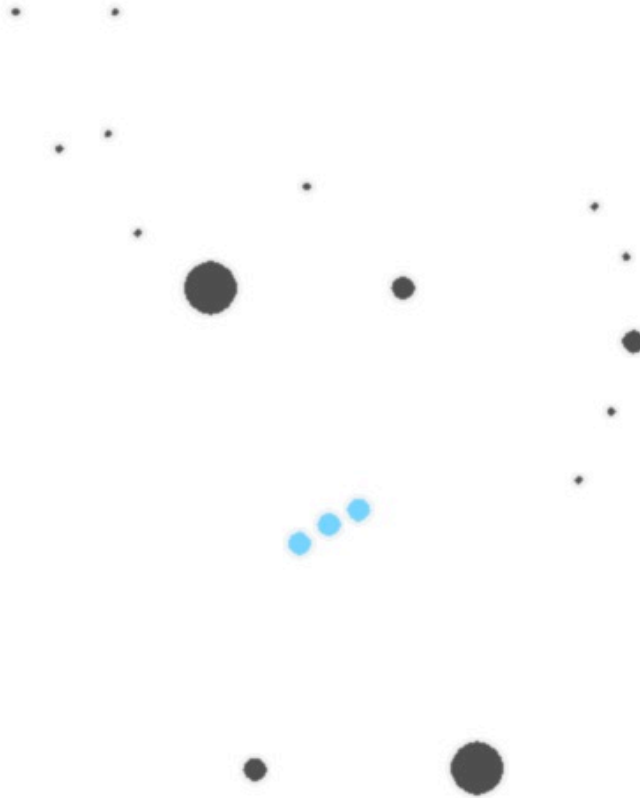
- Why did you decide to go to the Moon?
- Who or what did you meet?
- How is the weather like on the Moon?
- What have you discovered along your journey?
- When will you return home?

Fold your letter into any shape and post it in the secret mailbox found in the moonroom.

Who knows? You may just get a reply from the Moon!

## Adventurer

Look for the artwork where this pattern appears:



### ***DID YOU KNOW?***

This is the constellation of Orion.

A constellation is a group of stars that forms a picture when imagined lines connect them. There are currently 88 defined constellations, of which 48 are named after ancient Greek myths and stories.

Orion is named after a hunter in Greek mythology who was so boastful about the number of animals he could kill that he was banished to the sky to teach him to be humble. The three stars in blue are identified as the belt of Orion.

As the earth rotates, we see different constellations at different times of the year. November to March are the best times to see Orion!

Look for this constellation tonight!

5. Draw your own visualisation of Orion by connecting the dots in the previous page! An example of Scorpio, the scorpion, is done for you:



**If you haven't found the artwork, head to the third floor and enter the gallery to your right**

Have a volunteer ride one bicycle. What happens?

Now have five volunteers ride all the bicycles at the same time and see what happens!

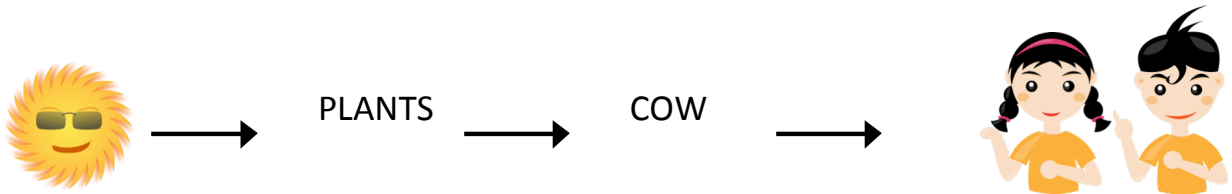
Take turns with your classmates and give one another a chance to ride the bicycles.

6. What is the secret message on the wall?

7. What is the main source of energy for all life on earth?

8. How do you think it does that? Write an equation, sentence or poem below.

An example is:



The Sun is the star at the heart of our solar system and is responsible for the Earth's climate and weather.



### Discussion Time

Can you think of 5 facts about the Sun? Share them with your friends.

9. How do you think stars give out light?

10. In Science, there are many various types of energy such as potential energy, heat energy and light energy. You have just powered up various objects by cycling! What kind of energy is this?

\_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_  
E \_\_\_\_\_ E \_\_\_\_\_ Y

11. What are the energy conversions taking place in this gallery?

12. What other objects have you powered up through movement?

Different sources of energy are required for our daily living. If not properly conserved, natural sources of energy may deplete one day.

13. What new sources of energy do you think could be used to power cities in the future?

14. What is the title of this artwork?

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15. What is the meaning of this artwork title?

16. Why do you think the artist named it as such?



**Pair Work!**

Gather in pairs and imagine that one of you is a reporter and the other, a scientist. The scientist has invented a new source of energy.

If you are the scientist, write a paper about your newly discovered energy source below. Include scientific formulas that helped in this discovery.

If you are the reporter, interview the scientist and write an article on this new source of energy for future cities below.

Some questions to help both of you:

- What is this new source of energy?
- When and how was this new source discovered?
- What can it do?
- How can it power cities?

A large, empty rounded rectangular box with a blue border, intended for students to write their responses to the questions.



Explorer



Go to the fourth floor and enter the gallery on your right

You are now exploring the secrets of a new world!

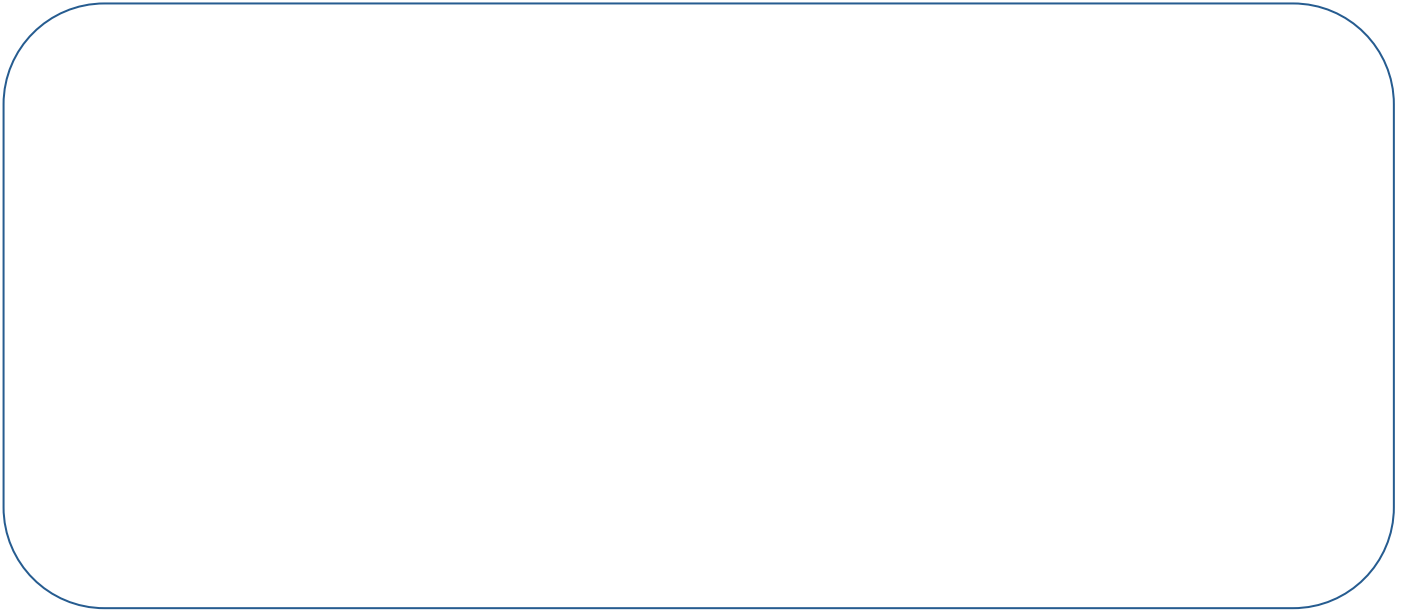
17. Read the message outside the purple box. How many days before last Tuesday did Kiko reveal her secret to the artist?

18. According to Kiko, what happens to the stars if we stop dreaming? Why would that happen?

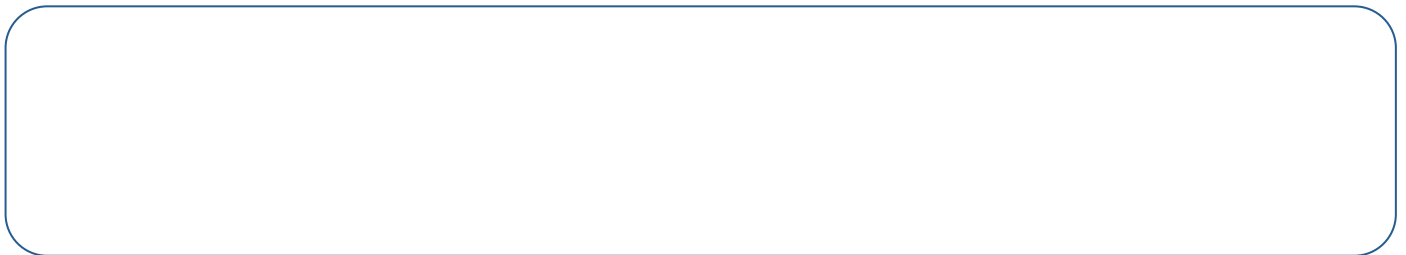
19. Do you agree with Kiko? Why or why not?

20. The artist creates fantastical worlds inspired by Kiko's secrets. Think of one secret you heard recently. Describe it below:

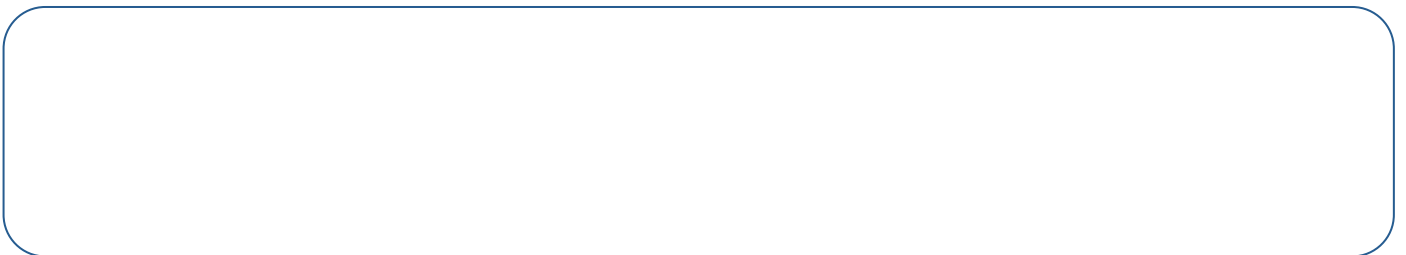
21. Imagine a fantastical world inspired by this secret. Draw or write about this world here:



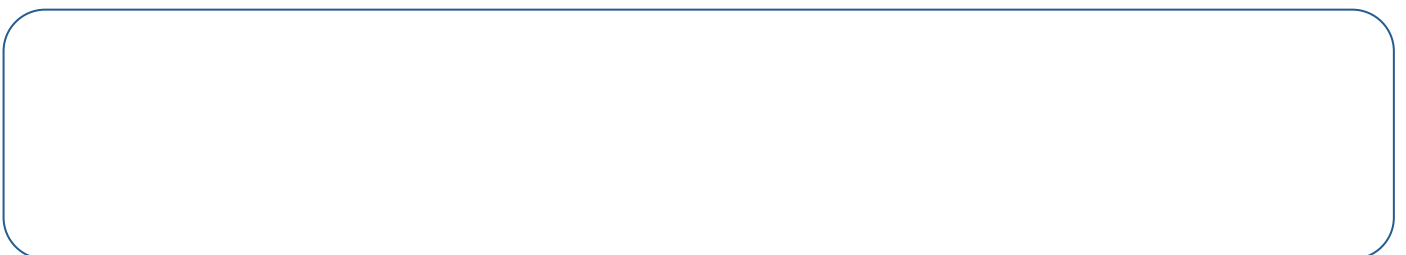
22. Enter the purple box. What do you observe in this box? What makes the objects in this box glow?



23. Enter the red box. How do you feel when you are in it?



24. Can you hear anything in these boxes? What other objects and smells do they remind you of?



**DID YOU KNOW?**

Kumkum Fernando, the artist of this artwork, is inspired by the wonder that children experience as they explore the world around them. He seeks to recreate these sensations in each box.

25. Each box represents a different world! What worlds are they?

26. Can you identify the people below:

A **B** \_ \_ \_ **N** \_ **S** \_ studies plants, including plants in the **woods**.

A \_ **Y** \_ **R** \_ \_ **O** \_ \_ **S** \_ is a geologist who studies the properties, distribution and effects of water, including water from **rivers**.

A \_ **E** \_ **E** \_ **R** \_ \_ **O** \_ **I** \_ \_ studies the **atmosphere**, and reports and forecasts weather conditions.

An **A** \_ \_ **H** \_ **O** **P** \_ \_ \_ **G** \_ **S** \_ studies the origin, behaviour and the development of human societies.

Dreamer



Exit this gallery and walk to the other gallery on the same level

27. The artwork shows a house and garden. What are they made up of?  
List them here.

28. Can a smell, sound, person or colour be sweet? What do you  
associate with the word “sweet”? List 5 of them here.  
(Example: a sweet melody)

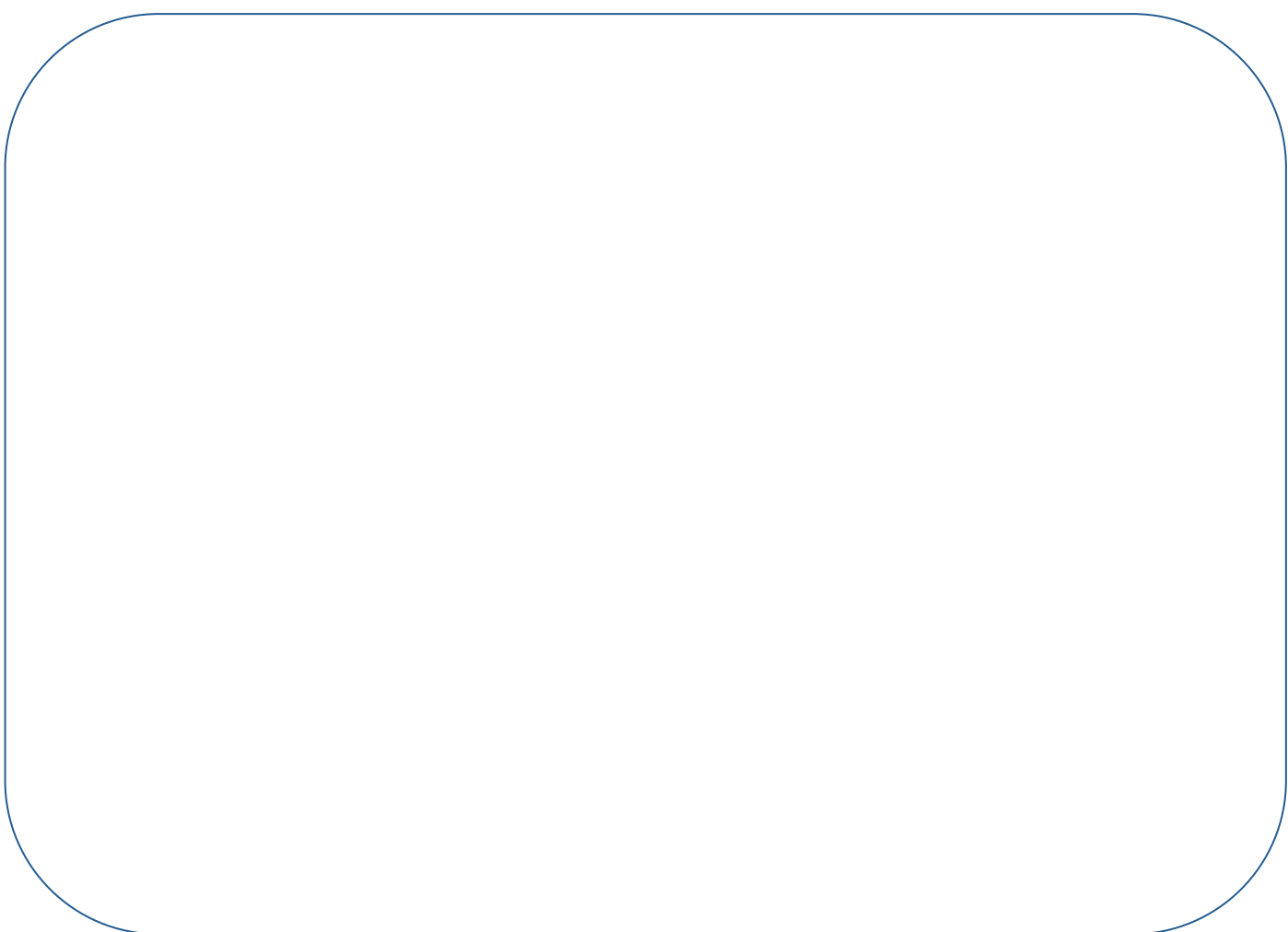
**DID YOU KNOW?**

There are many stories where writers describe worlds made up of food. An example is *Charlie and the Chocolate Factory*, a 1964 children's book by Roald Dahl.

This story inspired the 2005 film of the same name directed by Tim Burton. The Swiss food and beverage company, Nestlé, provided 1850 bars of real chocolate for this film! The lollipops on the trees, the giant pink sugar canes and the giant humbugs were also real candy.

What decorative items in Singapore are also edible? What are they made of? Share your answers with your classmates.

29. Imagine a landscape made up of local delights. What food will you feature in this delicious world? Draw or list them here.  
(Example: a river of laksa, trees of onde-onde, etc)



**Adventurer**



**Head to the gallery outside the main building**

The artwork is made up of glass boxes containing parts of a tree.

30. What differences can you spot between a real tree and this artwork?

31. Similarly, a terrarium is a mini garden in a glass container. Fill in the

blanks:

A terrarium creates a unique environment for plant growth as the

\_\_\_\_\_ glass allows for both \_\_\_\_\_ and \_\_\_\_\_ to enter.


Water moves from one area to another area through

\_\_\_\_\_ and \_\_\_\_\_. This process is also known as the water \_\_\_\_\_.

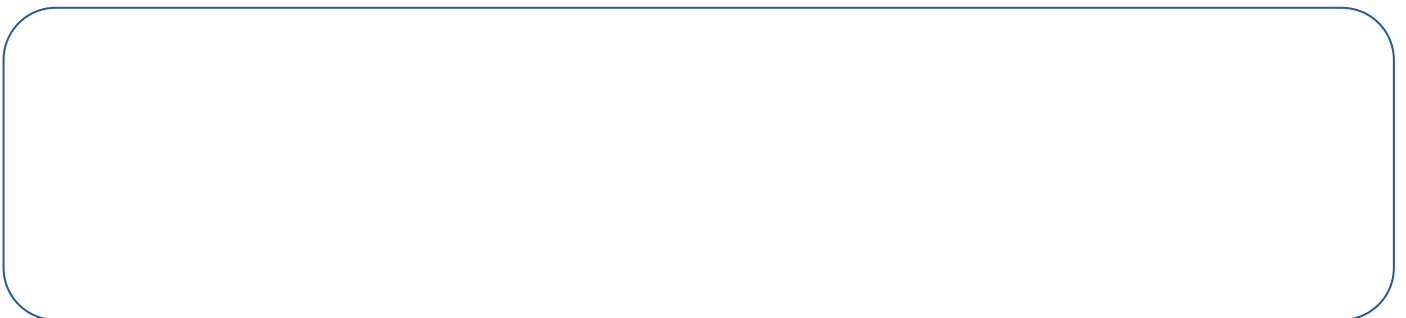
A terrarium is thus a miniature ecosystem of plants.

32. Now imagine you live in this environment. Write a short paragraph or a poem about your day in this world. You may use the following questions to help you:

- Who will you be?
- How do you feel?
- What adventures will you encounter?



33. Now that you have embarked on the **Voyage of Big Ideas**, what big ideas have you thought of? Which artwork inspires you?



What are some of the things you have learnt? Fill it up in the next page!

## My day at SAM...

Complete this page and pass it to your teacher to deposit at the SAM Front Desk

Name	School	Age	Exhibition title

### I found the activity sheet...

Very easy   
  Quite easy   
  Okay   
  A little difficult   
  Very difficult

### I found the activities in the worksheet...

Very interesting   
  Quite interesting   
  Okay   
  Not so interesting   
  Not interesting at all

### I would like future activity sheets to have...



**3 things I have learnt...**



**2 things I would like to find out more about...**



**1 thing I hope I can see more of at the museum...**

**\*For Teachers to note:**

Please collect all the pages as a single bundle and deposit them at the SAM Front Desk.