



# CITY IN NATURE

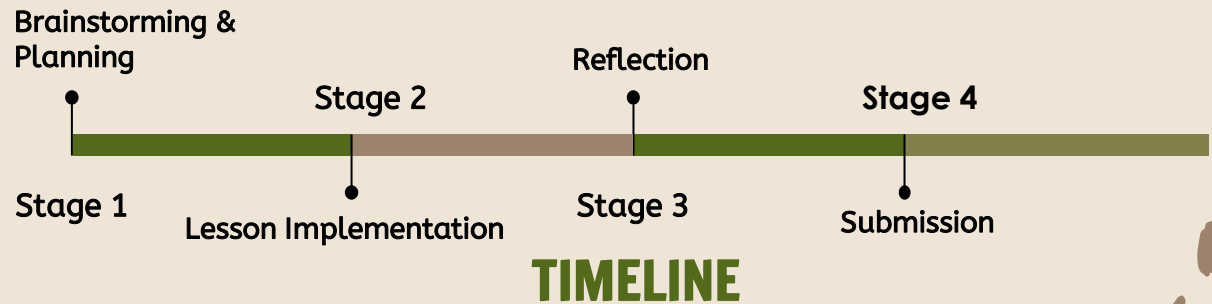
EN-NAEEM MOSQUE KINDERGARTEN (RC1820)

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# OBJECTIVES OF PROJECT

Children will be given opportunities to:

- ✓ Learn about plant growth
- ✓ Understand factors that affect plant growth
- ✓ Know the importance of plants in the environment
- ✓ Gain a better insight to the effects of deforestation



# Activity 1 - Introduction to plants

## Objective/s

1. Children will be able to identify and name parts of plant.
2. Children will be able to explore and name different types of plant.
3. Children will be able to take ownership in caring for plants.

## Materials

- Plants (Brinjal, Laksa, Pandan, Jasmine, Blue pea)
- Labels - Corrugated board & tongue depressors
- Watering cans
- Fence
- Journal

## Activity

Children are given opportunities to explore different types of plant and label it accordingly. They are engaged on the process of designing the garden through hand-on experience. Children gained an understanding how weather impact the life cycle of plants through drawing and recording in their journal book.

### Learning Domain

- Discovery of the world
- Language & Literacy
- Social & Emotional



# Activity 2 - Ecosystem

## Objective/s

1. Children will be able to understand the importance of plants in the ecosystem.
2. Children will be able to carry out experiment on water quality with varying samples (Soil with plants, dried leaves and plain)

## Materials

- NParks Big Book “An Adventure in a City in a Garden”
- Ecosystem Sensory box (pebbles, rocks, trees, animal figurines, blue strips )
- Big plastic bottles
- Soil, plant, Dried leaves, twigs

## Activity

- Experiment on Water Quality with plants
- Draw an ecosystem with plants and without it.

### Learning Domain

- Discovery of the world
- Language & Literacy
- Social & Emotional



# Activity 3 - Deforestation

## Objective/s

1. Children will be able to know what deforestation is and its impact.
2. Children will be able to learn how to reduce deforestation.

## Materials

- The Giving Tree book by Shel Silverstein
- Reduce, Reuse, Recycle, Oscar! Storybook by Mary Lindeen
- Forest Model for children to cut down trees with different animal figurines
- Recycling boxes (aluminium, paper, plastic)
- Used materials brought by children (plastic, paper, aluminium)

## Activity

Children do role-play using the Forest Model to see what will happen to the animals without the trees in the forest.

Children are given opportunity to know what can or cannot be recycled through different kind of used materials and sort them accordingly into the recycling boxes.

### Learning Domain

- Discovery of the world
- Language & Literacy
- Social & Emotional
- Numeracy



# Activity 4- Aesthetics

## Objective/s

1. Children will be given the opportunities to use their fine motor skills through cutting and threading the fruits onto skewers.
2. Children will be able to create faces/pictures from different parts of the plant eg leaves, flowers, branches and fruit

## Materials

- Cut Fruits: Melon, grapes, watermelon, orange
- Satay sticks, plate, cookie cutters
- Foliage collected by the children
- A4 Drawing Block
- White glue

## Activity

1. Children use this opportunity to get them explore and observe what they can see and discuss about the texture of the fruits and also the need for safety when cut and thread the cut fruit onto skewers.
2. Children create art using their imagination and creativity through face foliage.

### Learning Domain

- Discovery of the world
- Language & Literacy
- Social & Emotional
- Motor Skills
- Aesthetics Creative Expression





# Activity 5 - Parental Involvement

## Objective/s

1. Children will create their own diorama about plants with their parents
2. Children will be given the opportunities to increase their confidence to speak up in a group setting and develop communication skills.

## Materials

- Plant Diorama

## Activity

Children shared their creation with their peers by describing its elements and their experience making it with their families.

### Learning Domain

- Discovery of the world
- Language & Literacy
- Social & Emotional



# Activity 6 - Field Trip to Bollywood Farms

## Learning Domain

- Discovery of the world
- Language & Literacy
- Social & Emotional
- Numeracy

## Objective/s

1. Children will be given opportunities to discover the different types of plants in nature.
2. Children will be able to experience on-site planting

## Materials

- Different types of plants
- Soil, pot, net, pandan seedling, water
- Recording sheet “I Spy plants” list

## Activity

The staff shared about different types of plants in Show & Tell session. Children are given the opportunities to see, touch and smell its leaves and texture. They have the chance to get their hands dirty through hands-on activity where they are equipped with the knowledge on the techniques of pandan planting.





# CHILDREN'S RESPONSES

Longan has one seed..strawberry seed is outside.



Look at the petals.

Inside this cocoa fruit, got water or not?

That's Ke-don-dong Tree



It's slimy...

This must go into the plastic bin.



We need to stop deforestation!

Teacher, look at my rainbow kebab!



I want to make a star shape!

# TEACHERS' REFLECTIONS

Over the course of this project, we learnt more about the children's capabilities and depth of their understanding and interest about plants. Through hands-on activities, they were really intrigued as they are well-engaged in their learning. We discovered the children's sense of wonder and curiosity through their active participation. It was equally a learning experience for us to learn along with the children to understand better about plants and the effects of deforestation.

On the whole, it was an eye-opening experience for us especially when we observed some children genuinely expressing their concerns regarding the effects of deforestation on animals. This created an awareness among the children to get involved in protecting our nature through recycling. Thus, we were inspired by the children's reflectiveness and appreciation of nature through this project.