

# Learning with Nature

PCF Sparkletots @ Sengkang Central 277B

Ms. Teo Puay Hoon, Michelle, spearheaded the 'Learning with Nature' project to provide opportunities for her K1 students to discover nature and develop critical thinking skills through outdoor play.

## Synopsis:

To create a platform for educators to inspire and learn from each other, share green ideas and environmental projects by using nature as a learning tool.

## Our Fact Finding:

Discover new, engaging green activities and projects that would promote critical thinking and curiosity in children that will help in their holistic development.



## Objectives:

1. Provide opportunities for discovery, creativity and problem solving through play and connectivity with the nature.
2. Introduce the importance of 3R's (Reuse, Reduce and Recycle) in helping the environment.
3. Bring nature (green space) indoors.



Secret Garden - our 'green space'

## TIMELINE FOR MENTOR-INITIATED GRANT PROJECT

1) MITG PROJECT STARTS ON 2<sup>ND</sup> WEEK OF TERM 4



2) PREPARATION OF GREEN SPACE, RESOURCES AND TEACHING AIDS



3) ACTIVITIES:  
➢ BUTTERFLY LIFE CYCLE (DOW & SED)  
➢ TREE TEXTURE (ART)  
➢ BARK RUBBING (FINE MOTOR SKILLS)  
➢ PARTS OF THE TREES (LANGUAGE)  
➢ GREEN BEANS PLANTING (NUMERACY – COUNTING OF BEANS)



5) PARENT ENGAGEMENT WORKSHOP (SHARING ON LEARNING WITH NATURE, REGROWTH OF VEGETABLE SCRAPS AND ONE PARENT WAS INVITED TO DEMONSTRATE HOW TO MAKE DIY MOSQUITO REPELLENT)



4) FIELDTRIPS (WOW KAMPUNG)

## Parental Engagement Workshop Making DIY Mosquito Repellent and Re-growing Scraps



Planting green beans in ziploc bag.

Using dried leaves to create artwork.

Bark Texture Rubbing

## Implementations:

1. Brought nature indoor by setting up a green space in the classroom.
2. Reviewed, modified and planned our curriculum and activities to include the Nature themed learning experiences.
3. Took a field trip to Wow Kampung for children to experience the nature based hands-on activities.
4. Conducted a parental workshop on outdoor learning on reusing and re-growing from vegetable scraps. Collaborated with a parent on teaching how to make your DIY mosquito repellent.

## Notable Improvements Observed:

Children were observed to be more responsible and aware of their surroundings. They become more mindful to food and materials wastage and were able to apply the 3Rs (Reduce, Reuse & Recycle) in their daily lives. The exposure to nature and using it as a tool for learning also increases the children's ability to focus, enhance their cognitive abilities and support creativity and problem-solving skills which are essential for life-long learning.



Exploring the world with curiosity and their 5 senses.



Taking responsibility to water the plants.



Learning to be mindful and appreciating the environment.