



IGP

2021

End Sharing

PCF Sparkletots  
Preschool @ Kaki Bukit  
Blk 526



# CITY IN NATURE

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# LESSON 1 – EARTH TOAST

## Lesson Plan

### Lesson Objectives:

#### Children will be able to:

1. Complete an experiment to show how the Earth is getting hotter

#### Things To Prepare:

1. White Bread
2. Milk
3. Circle cookie or biscuit cutter
4. Blue & green food colouring
5. Brush
6. Toppings – butter, sugar
7. Paper plates
8. Toaster

#### Tuning-In (5 mins):

1. Ask the children if they recall the concept of climate change & global warming – the Earth is getting hotter

#### Lesson Development (30 mins):

1. Explain to children that they will be conducting an experiment.
2. Mix food colouring to a few table spoons of milk and mix well. Cut circle in bread using the cutter.
3. Paint the circle with blue & green milk. Do not put too much.
4. Toast the bread in toaster.
5. Compare the bread before and after being toasted.
6. Explain to the children that this explains the concept of global warming – the Earth is now hotter.

#### Closure (5 mins):

1. Let children add toppings to their bread and let them eat it.

## Reflection

### What Went Well:

- Children enjoyed the hands-on activity & being given the opportunity to eat what they had made
- Children received visual representation of what it meant by climate change – a complex topic
- Children were able to link the experiment to climate change and how the Earth is getting hotter

### What I Can Do Better:

- Time constraints – not being able to discuss about the outcome in detail immediately after the activity
- Some of the bread should have been toasted longer as they were not brown – children were asking why the colours for before and after were the same





## Earth Toast





# LESSON 2 – GREEN BUILDINGS

## Lesson Plan

### Lesson Objectives:

#### Children will be able to:

1. Explore 'green' buildings in Singapore
2. Make their own buildings for The Green Town using recycled materials

#### Things To Prepare:

1. Recycled materials
2. Coloured Paper

#### Tuning-In (5 mins):

1. Explain to children that they will now look at how Singapore is making the city greener to combat climate change.

#### Lesson Development (30 mins):

1. Show pictures of Singapore's green buildings.
2. Allow time for children to work on their own green buildings.
3. Use recycled paper and materials to make their own green town.

#### Closure (5 mins):

1. Let children discuss the challenges of the activity and if they think making green buildings is a good idea.
2. E.g., Why aren't more buildings more 'green'?



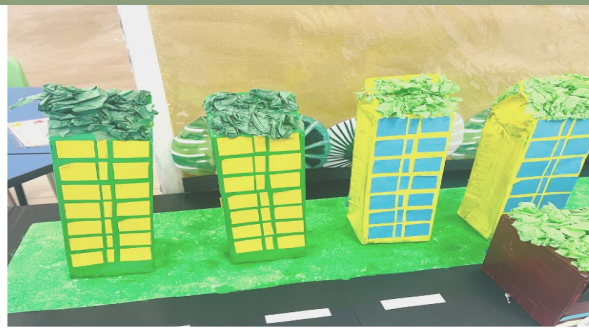
## Reflection

### What Went Well:

- Children were fascinated with how the plants at the buildings had a purpose – better understanding of how trees help to cool the Earth
- Active participation in meaningful conversations – what else can they do to combat climate change, how one or a few buildings are not enough
- Use of recycled materials – milk cartons, mask boxes

### What I Can Do Better:

- Extend the lesson to how there are more parks being built, how electric cars are becoming more prevalent
- Use of recycled materials *only*





# LESSON 3 – SOAP MAKING

## Lesson Plan

### Lesson Objectives:

#### Children will be able to:

1. Learn about different types of flowers and native animals
2. Complete the flowers and animals word search
3. Complete dried flowers soap for gifting.

#### Things To Prepare:

1. Video – Peeky the Pangolin
2. Word Search Activities
3. Soap
4. Flowers & leaves
5. Posters – Animals & Flowers

#### Tuning-In (5 mins):

1. Show children the video about Peeky the Pangolin.
2. Discuss with children what they saw.
3. Show children the posters and display them on the wall for children to view.

#### Lesson Development (30 mins):

1. Let children complete the word search activities.
2. Children will also take turns to make their own dried flowers soap.
3. Explain that the soaps will be used later to gift to others.

#### Closure (5 mins):

1. Let children discuss about what they had learned, and find out what are some of the aspects that they are most interested in.



## Reflection

### What Went Well:

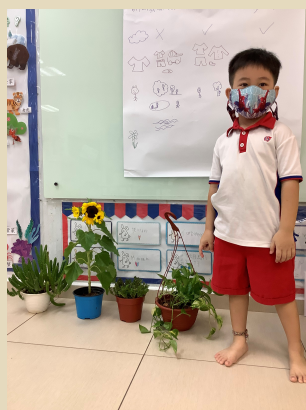
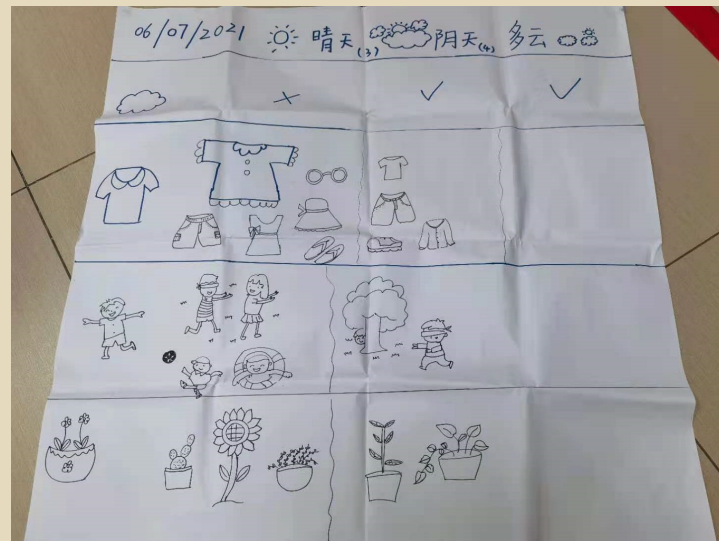
- Children were involved and excited to be a part of the soap making
- Steps were easy for the children to follow and the children enjoyed smelling the different fragrance
- Use of leaves and flowers enhanced their understanding of how nature can be integrated into activities
- Children kept going back to the posters even after the lesson

### What I Can Do Better:

- Soap making should have been a separate activity on its own
- Should not have prepared it earlier as it became sticky – exposed to humidity for too long





[illegible]

# Weather and plants

## Lesson Objectives

Children will be able to:

1. Children can understand the difference between sunny and cloudy.
2. Young children can understand the preferences of different plants.

activity

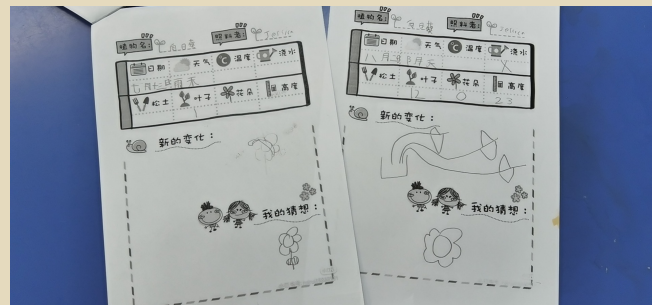
- 1、 The teacher guides the children to observe the weather and leads to learning topics—Sunny and cloudy.
- 2、 Teachers introduce the cloud to children.
- 3、 The teacher divided the weather into sunny, cloudy and cloudy weather according to the clouds. (0%-30% is sunny ; 30%-70% is partly cloudy ; more than 70% is cloudy)
- 4、 The children discuss the appropriate dress and temperature according to the weather.
- 5、 The teacher provides different plants and asks the children to guess their preferences.

Reflection :

1、 The children's existing knowledge is sunny and cloudy. But in the course, the children learned how to judge the weather based on the cloud. In addition, the children also learned about the new weather—partly cloudy. When the teacher showed the plants, the children learned for the first time that plants also have their own living habits. They are very excited and very happy to share their thoughts with everyone.



# LESSON 2 - School Garden



# School Garden

## Lesson Objectives

Children will be able to:

1. Children can understand the growth process of plants.

Children know how to take care of plants.  
activity

- 1、 Before the activity started, the teacher prepared a milk box.
- 2、 Children will decorate their milk carton vases.
- 3、 The teacher puts different seeds in different cups and soaks them in water for 24 hours.
- 4、 The teacher teaches the children how to plant, and the children grow their favorite plants.
- 5、 Every week, the children will observe and record the growth of the plants. The children will also take care of the plants placed outside every day.

## Reflection :

1、 The growth of plants requires cycles. During the planting process, the children will observe the growth of the plants. They will be happy because of the growth of the plants and they will guess what changes will happen to the plants. In addition, in the process of planting, children will gain a sense of responsibility because of planting plants.