Lakeside Primary School

Waste Minimisation Project

Environment Challenge for Schools

2016
Background & Description

The objectives of the project are:
– To reduce the amount of waste generated by students and the public.
– To instill love for the environment and a greater sense of responsibility in every student at Lakeside Primary and the community.
Background & Description

– School leaders met up with officials from our school’s Corporate Sponsor, Chevron Phillips Chemicals Asia Pte Ltd, to discuss effective ways to:

  Reinforce the message of being responsible towards minimizing waste through 3R
  (a) within and
  (b) outside Lakeside Primary School.
(a) Within Lakeside Primary School

(i) Classroom sharing by Form Teachers and Environment Club Teacher-in-charge

- Pre-assembly sharings were conducted by Form Teachers in class in Term 1 and by Environment Club Teacher-in-charge in Term 3 to share the following environmental messages:

  (i) 3R

  (ii) cleanliness of toilet

  (iii) saving water and electricity

  (iv) reduce food waste

  (v) conserving biodiversity.
(a) Within Lakeside Primary School

(ii) Nomination of Junior Health and Environment Ambassadors (JHEA)

JHEAs were nominated from every class and trained to carry out the following duties:

1) Recycling duties (Class Recycling Programme)

- To monitor, measure and record the amount of paper waste in the recycling tub every week.
- To monitor the amount of waste in their class waste basket.
(a) Within Lakeside Primary School

(ii) Nomination of Junior Health and Environment Ambassadors (JHEA)

2) Classroom Electrical Appliances

- To turn off all electrical appliances when they are not in use and to carry out anti-dengue check in their own class.
(a) Within Lakeside Primary School

Teachers-in-charge of JHEA training the JHEAs for their environment duties.
Group photo of teacher-in-charge of JHEA with winners of Term 1 and Term 2 highest amount of recyclables.
(a) Within Lakeside Primary School

(iii) Whole School Recycling Drive (on 22 April)

• As to spread the message on minimizing waste through 3R amongst the pupils, Lakeside Primary School organized a one day Recycling Drive in conjunction to Earth Day and part of Green Schools @ South West programme.
(a) Within Lakeside Primary School

Pupils donating their recyclables during Recycling Drive.
(a) Within Lakeside Primary School

(iv) Environment Club Newspaper Collection (on 28 April)

As to spread the message on minimizing waste through 3R and to spread awareness on the importance of preventing mosquito breeding to the community
(a) Within Lakeside Primary School

The table below shows the total amount of newspaper collected on that day:

<table>
<thead>
<tr>
<th>Location</th>
<th>Amount of recyclables (kg)</th>
<th>Amount Redeemed ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone D</td>
<td>241</td>
<td>24.10</td>
</tr>
<tr>
<td>Lakeside Grove</td>
<td>277</td>
<td>27.70</td>
</tr>
<tr>
<td>Total</td>
<td>518</td>
<td>51.80</td>
</tr>
</tbody>
</table>

The Primary 6 pupils will be also participating in newspaper collection as part of their post PSLE activity and Community Involvement Programme on 14 October.
(a) Within Lakeside Primary School

Environment Club members collecting recyclables from the residents in Taman Jurong Zone D HDB blocks (Block 351, 352 and 353).
(a) Within Lakeside Primary School

Total amount of recyclables collected from the residents in Taman Jurong Zone D HDB blocks.

Environment Club members tidying up the recyclables collected from Taman Jurong Zone D HDB blocks.
(a) Within Lakeside Primary School

Environment Club members distributing flyers on ways to prevent mosquito breeding during newspaper collection.
(a) Within Lakeside Primary School

Environment Club members tidying up the recyclables collected from Lakeside Grove.

Environment Club members assisting to shift the recyclables up to the truck.

Group shot after the newspaper collection.
(a) Outside Lakeside Primary School

To reinforce the message of being responsible towards minimizing waste through 3Rs to the community, Lakeside Primary School Environment Club members designed a fun board game with 3Rs messages after doing some research on waste minimisation.
Board Game set on Waste Minimisation that comprises of a main game board, 10 Question and Answer cards, a dice, an instruction sheet and a background information leaflet on 3Rs that further explains and reinforces the environment messages.
(a) Outside Lakeside Primary School

Main game board

Question and Answer cards with the dice
(a) Outside Lakeside Primary School

(i) Open House (20 May)

To equip kindergarten pupils with the knowledge on how they can reduce, re-use and recycle daily materials so as to minimise waste, students from Environment Club have designed a board game for kindergarteners that would send across the messages of minimising waste in a fun way.
Environment Club members guiding kindergarten pupils, teachers and parents on how to play the board game.
(a) Outside Lakeside Primary School

(ii) Outreach to kindergartens

As part of Lakeside Primary School Community Outreach efforts to educate the young on minimising waste, 5 kindergartens that have been in partnership with Lakeside Primary School in Values in Education Programme were selected to receive the board games.
10 sets of board games were packed together with school’s letter from Principal of Lakeside Primary School into each boxes that are to be delivered to the 5 kindergartens.
(a) Outside Lakeside Primary School

Environment Club members introducing the board game to the kindergarten pupils and teacher of PCF Taman Jurong

Presenting the board games to the Principal
(a) Outside Lakeside Primary School

Environment Club members and teacher-in-charge guiding kindergarten pupils on how to play the board game
Environment Club members and teacher-in-charge introducing the board game to the kindergarten pupils, teachers and parents volunteer of My First Skool.
Environment Club members guiding kindergarten pupils, teachers and parents volunteer on how to play the board game.
(a) Outside Lakeside Primary School

Individual group shots after playing the board game.
(a) Outside Lakeside Primary School

Presenting the board games to the Form Teacher of the class.

Group shot before leaving the school.
How sustainable is this project?

Annual ongoing programme/activities:

- Nomination of Junior Health and Environment Ambassadors (JHEA)
- Whole school Recycling Drive
- Newspaper collection (by Environment Club members and P6 pupils - post-PSLE activity on 14 October)
- Open House (to be played by the kindergarteners, parents and teachers who visit the school)
- To be used by Environment Club teachers during CCA to educate club members on waste minimization through 3R. To be also played by members as part of wet weather programme.
Environment Club members playing board game (wet weather programme)
How sustainable is this project?

Others to use in the future:
- To be played by Environment Club members and JHEAs during Environment Boot Camp in 3 November. A board game competition will be held where a revised version of the board game with more “Question and Answer” cards will be created.
- P6 pupils as part of their post-PSLE activities.
Challenges faced by school

– Based on the data collected, we realized that not all classes actively participated in the Whole School Recycling Drive and Class Recycling Programme.

– Despite going through the briefing slides, we realized that not all waste papers collected were used on both sides and some papers were crumpled before they were discarded into the recycling tubs.

– Not all kindergartens were keen to invite Environment Club members to demonstrate to their teachers and pupils on how to play the board game on waste minimization.
Challenges faced by Environment Club members & JHEAs

Environment Club Members:
– Took pupils about a month to carry out research and create a board game with question and answer cards that is suitable to kindergarten pupils.
– It was not easy to teach kindergarten pupils on how to play the board game. Took a while to explain and guide them on how to play.
Challenges faced by Environment Club members & JHEAs

JHEAs:
- Some newspapers and papers collected in the recycling tubs were brand new unread ones. Had to encourage peers to recycle those that were read/used.
THANK YOU