Community Green Wall Project

Cantonment Primary School

Primary 4-Values in Action
What are Green Walls?

- Sometimes called living walls, green facades, bio walls or vertical gardens.

- *Green walls refer to vegetation that is grown on a separate structural system that can be freestanding and adjacent or attached to the wall.*
Green Walls in Singapore

Gardens by the Bay
Objectives

• **Educate** students and guests on the importance of sustainable living environment

• **Improve** the environmental commitment of Cantonment Primary School

• **Provide** a comfortable learning environment and real-life example
There was great partnership and help from Pinnacle Duxton RC members.

They impart knowledge and skills to the students on plant propagation methods and care for the environment.
Design of Green Wall

Our current façade design

The wall was designed to be a façade of Mr. Lee Kuan Yew’s initial because it serves as a tribute to his efforts in keeping a clean and green city.
Recognition

- The school broke the Singapore Book of Records on 6 August 2015 with the largest display of 2050 bottled plants.
Everyone’s Effort Counts…

Cantonment Primary School

Primary 4-Values -in -Action
Everyone’s Effort Counts

• 5 classes of Primary 4
• 50 teachers
• Parent volunteers
• RC members
What did we do?

• Students, teachers and RC members contributed their efforts for the Green Wall.
  – Collecting plastic bottles as part of recycling efforts.
  – Reuse the bottles for planting the different species of plants into the recycled water bottles.
  – Formation of the bottled plants on the wall.
Students @ Work
Learning Points

- Science Concept behind the Activity
  - Plant propagation methods

- School Values
  - Confidence
  - Perseverance
  - Respect

- Environmental issues
Learning Points

• I display confidence in exhibiting my actions to care for the environment. I will continue to be a role model in showing care for the environment.
Learning Points

- I display perseverance whenever I encounter difficulties in protecting our environment and I will continue to strive for the best in doing so.
Learning Points

• I respect every aspect of our environment and the others who also show care and concern to help protect our world.
Examples of Students’ Reflections

CANTONMENT PRIMARY SCHOOL
Primary 4
Values in Action
Green Wall Part 2
Individual Reflection

Name: Lin Kai Xuan (6) Date: 17th April 2015

Class: Primary 4 I
Share how you can apply the values to outside school context.

Everytime I have stage fright when I am on the stage, but when I present it to my parents everyday, I learnt that I must not be afraid of everything. I must have confidence.

I thought that it was though to solve mathematical problems but as soon as I practice more, I realise that if we keep trying, we won’t have problems in anything.

Everytime when my parents or anyone comes home, I will talk to them personally, massage them and give them water to drink, and then my parents respect me.
Examples of Students’ Reflections

Name: Vidula (04)  
Date: 1 April 2015
Class: Primary 4 A

Draw one thing that you have contributed in the building of the green wall. (E.g. transplanting, hanging of the plant etc.) Share with your class mates how you felt and what you have learnt.

Write down 3 challenges you had faced during the activity. Describe how you had overcome them:

1. We had to wait to get plants. So, I need to be patient.
2. Many people were crowding for the soil. So, I need to be patient for that too.
3. The soil was very dirty.

List down 3 things you have learnt through this activity:

1. Green wall helps to reduce noise.
2. I learnt how to make a green wall.
3. I learnt how to share things.
Impact

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Primary 4-Values -in -Action
Impact on Community

• Social
  – An increase of one’s sense of ownership (every student wrote their name on the bottled plant which they made) and foster community interaction (interaction with RC members on the planting process)
Impact on Community

• Environmental
  – Improve the air quality
  – Alleviate heat islands by shading heat-absorbing surfaces (as our school is considered a high-rise building, this helps to absorb the heat from the roof garden)
  – Serves as an insulation and cooling for our roof garden
  – Enhance our building’s appearance. (E.g. Add colour and texture to the wall)
Sustainability

• Teachers of CPS and RC members work hand-in-hand to ensure that the green wall is sustainable for a long period of time.

• Install irrigation system to water and maintain the plants.
Sustainability

• Our RC members and staff teachers help to monitor the growth and development of the plants.
• P4 classes will take turns to care and check on the plants.
• Next year’s P4 students will continue the project.
Thank you!