



Waste Wise Education Factsheet # 04

Sustainable Management of Plastic Bottles Through Schools



LOCATION: KENYA | SPAN: SCHOOL YEAR | TARGET AUDIENCE: PRIMARY SCHOOLS

OBJECTIVE:

To incorporate 19 schools in Nairobi in sustainable management of waste PET plastic bottles. Additionally, it is to give an opportunity to schools' communities to learn and find innovative solutions to remove PET plastic bottles disposal problem in Nairobi city.

INITIATIVE SUMMARY (WHAT & HOW):

The 4 months programme managed to reach out and sensitise 22,852 school children and 62 teachers from 19 schools in Nairobi City about PET plastic bottles through trainings, plastic bins distribution, production of educational posters and films. By March 2020 a total of 1,625 kilograms of plastics had been collected for recycling at a factory by the 19 schools. An App was later designed and incorporated in the project to enhance learning and collection of plastics in the school. Schools have been able to sustain the project activities with the help of wildlife clubs.



Impact: The great number of PET plastic bottles are collected and recycled through this initiative and encouraged students to engage in sustainable operation of this programme.



Resources: School staff and students



Application: Scalable and replicable in other geographies



5Rs/Other Keywords: Rethink, Refuse, Reduce and Recycle disposal

Innovative Features

PET plastic bottles applications

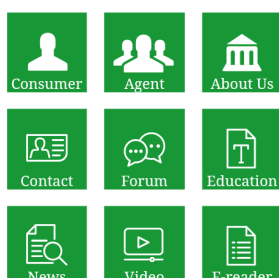
- Irrigate the school vegetable gardens (drip irrigation)
- Flowerpots
- Fences

Software application

- Design of a PET plastic bottle tracker software application that helps in waste management and plastics' collection

Educational Features

- Understand the nature of plastic
- Record metrics of plastics collected from recycling .
- Inform the young generation about the negative effects of waste plastic and general need for environmental conservation



Useful link

Webpage: www.wildlifeclubsofkenya.org

Contact

Gabriel Ngale.

Wildlife Clubs of Kenya (WCK)

gabrielngale@wildlifeclubsofkenya.org



Andre Dzikus, Chief Urban Basic Services Section
WasteWiseCities@un.org
<https://unhabitat.org/waste-wise-cities>
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