

KYASA SECONDARY SCHOOL

NAME: SSEKANJAKO JOVAN

PROJECT REPORT

2025

THEME: Skills and Innovation for Sustainable Living

PROJECT TITLE: Recycling Plastic Bottles into Planters to Reduce On Plastics That Degrade the Soil

AIM: To Reduce On Plastics That Degrade the Soil

OBJECTIVES

- To reduce on plastics that are littered in the environment.
- To generate income by selling the vegetables planted.
- To make our compound free from plastics.

PROJECT JUSTIFICATION

The project intends to reduce on land and air pollution evidenced by a rampant disposal of plastics in the environment. When plastics are rampantly disposed on land they degrade the soil which reduces crop production and when they are burnt it increases the level of carbon dioxide in the environment leading to global warming and diseases like lung cancer. This project will therefore reduce on such pollutions.

RESOURCES NEEDED FOR THE PROJECT

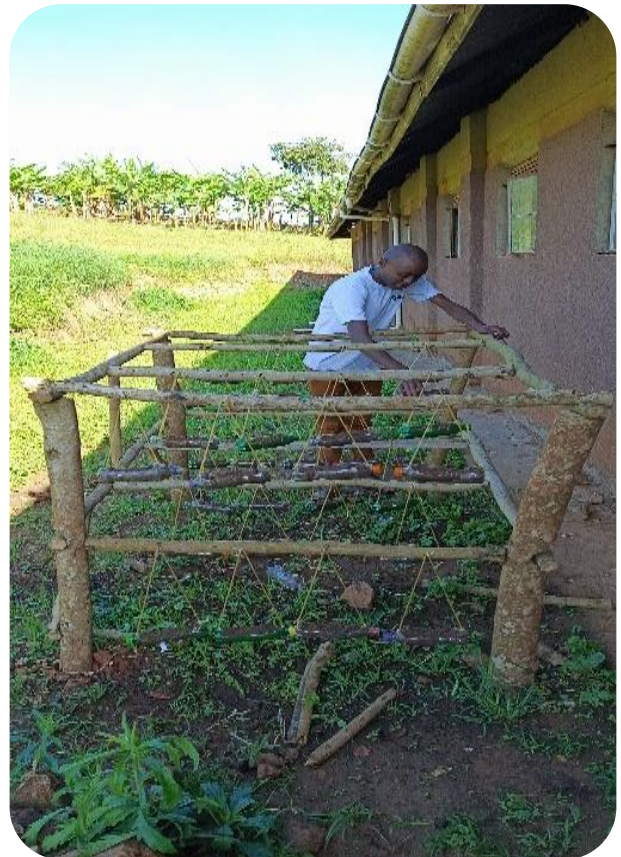
1. Plastic bottles to hold the soil and the plant.
2. Soil source of minerals needed for the survival of the plants.
3. Onion seedlings for consumption after growth.
4. Wheel barrow for transporting materials like soil that are to be used for the project.
5. Nails to pin the planters on walls.
6. Thread ropes to hold the planters.
7. Water and watering can for watering the seedlings in the planters.

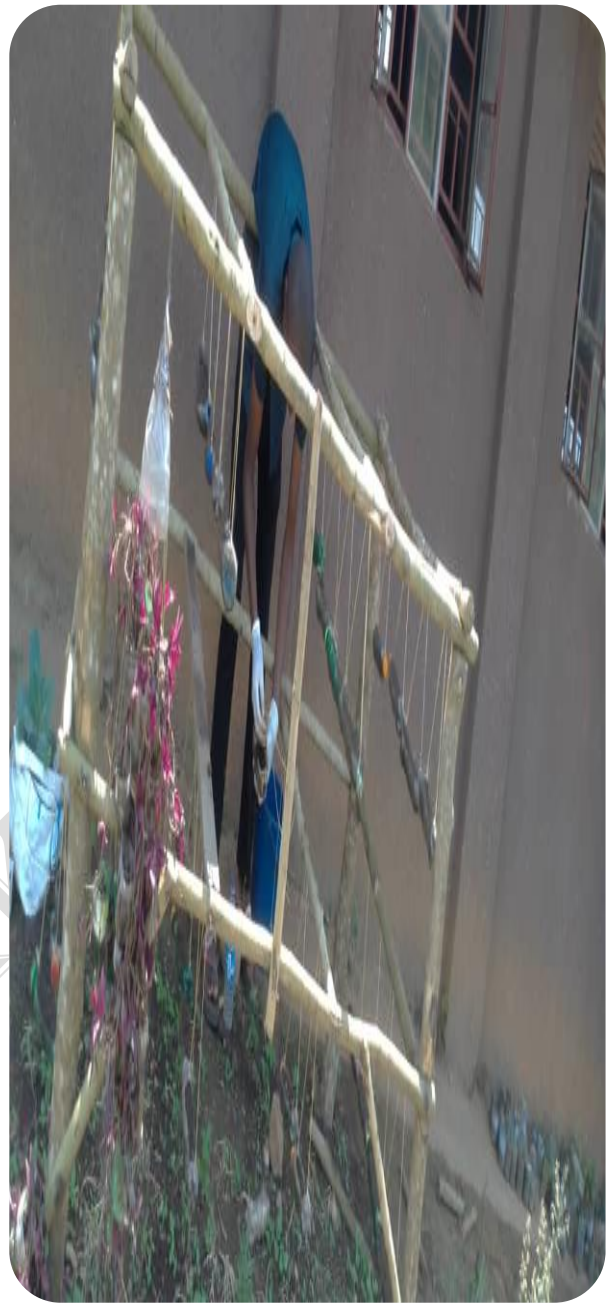
BUDGET FOR THE REQUIRED RESOURCES

NO.	ITEM	QUANTITY	PRICE.UGX	SOURCE
1	Plastic bottles	32	0	Trading center
2	Soil	2 barrows	0	School garden
3	Onion seedlings	40 seedlings	15000	Agro store
4	Wheelbarrow	1	0	School store
5	Nails	1kg	7000	Hardware
6	Thread ropes	1 roll	3000	Shop
7	Water	2 jerry cans a day	0	School store
8	Watering can	1	0	School store
TOTAL			25000	

PROJECT ACTIVITY SCHEDULE

NO.	ACTIVITY	STARTING DATE	ENDING DATE	NO. OF DAYS TO BE SPENT
1	Collecting 50 plastic bottles	10 th /09/2024	16 th /09/2024	7
2	Cutting the bottles into planter shapes	17 th /09/2024	17 th /09/2024	1
3	Fill the planters with soil and manure	18 th /09/2024	19 th /09/2024	2





DURING PROJECT IMPLIMENTATION



ACTIVITIES AND PROCEDURE

- ✓ The poles were collected to make a structure where the bottles would be suspended.
- ✓ The poles were cut and joined together with nails to form a structure.
- ✓ The bottles were cut into planter shapes and tied on strings.
- ✓ The strings were tied on the bottles and suspended on the formed structure.
- ✓ The bottles were filled with soil and onions were planted and watered regularly till growth.

CHALLENGES FACED THROUGHOUT THE PROJECT

- ✓ Scarcity of materials e.g. nails.
- ✓ Injuries from sharp objects such as nails during the process of making the structure.
- ✓ Lack of enough building and construction skills
- ✓ Power outages during the process of typing project documents.
- ✓ Shortage of funds to buy required resources such as nails.
- ✓ Gathering of resources was tiresome

HOW THE CHALLENGES WERE SOLVED

- ✓ I used my uncle's motorcycle to go to the trading Centre to buy nails.
- ✓ I used protective gear(gloves) to prevent injuries
- ✓ I consulted our teacher of Building and Construction to guide me on how to come up with a nice strong structure
- ✓ I frequently saved my work while I was typing.
- ✓ I requested some money from father.
- ✓ I requested my friends to help me in gathering the required resources

SKILLS ACQUIRED

- ✓ Typing and printing skills after typing and printing the project documents
- ✓ Communication skills, through sharing ideas with friends and teachers about the project.
- ✓ Building and construction skills after making the structure where plastic bottles were to be pinned.

EVALUATION OF THE PRODUCT

The project can be used to grow crops in limited space making it ideal for people in towns and cities where space for farming is limited.

RECOMMENDATION

The project can further be improved by using plastic containers of a larger size to maximize production.

CONCLUSION

Plastics should be recycled because they are non-biodegradable hence polluting soil leading to low production of crops.