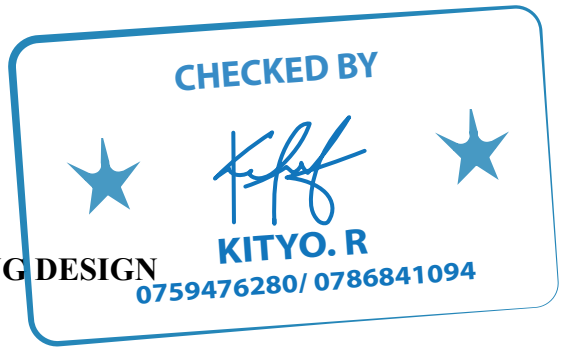

S.2 BIOLOGY PROJECT PROPOSAL

Title of Proposed Project : VERTICAL FLOWER GARDENING DESIGN

Coordinator : Kityo. R
Managed by : Kiwanuka. A. M
Supervised by : Mutyebere. P (Lab Technician)

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Project Cost: UGX 158,000
Project timeline: 5 months

Project Description:

Modern flower gardening is no longer limited to the ground underneath the feet. Unlike the traditional strict garden designs, modern vertical flower gardening showcases the designs, colours and vibrancy of plants in fresh new ways, ideally suited to maximize space.

Rationale of the Project:

The prevalence of plastic bottles in school has blocked major sewage pathways. As the biology department, we understand the effects of plastics to the environment. This project will contribute to an understanding and creation of awareness in student on how plastics can be recycled in the environments. The project will also contribute to creativity among students with emphasis on how they can conserve their environment.

Beneficiaries of the Project:

The ultimate target beneficiaries of the project are the S.2 students in all of the senior two streams (East, South and North). The students shall in different groups participate in various activities that create awareness of plastic bottle recycling.

Project Goal:

The goal of the Project is to recycle plastics in the school into creative vertical flower gardens with emphasis on environment protection.

Activities:

1. Regular collection of plastic bottles in school.
2. Making appropriate designs from the plastics.
3. Painting the designs.
4. Vertical garden alignment of the designs along strings in different orientations
5. Planting of flowers in the designs
6. Regular care and supervision of the gardens.

Summary of project approach:

- The students in each stream will learn the designs through individual practice
- Each class will have a different layout of the vertical garden
- In each stream, there are different groups and each group will be tasked to work together and come up a unique design.
- Designs which involve heating will be closely supervised.
- Each stream will be responsible for a collective layout of the vertical flower garden.
- Each group in a particular stream will be responsible for planting watering and securing of their flower gardens.

Design One

Design two

Vertical alignment along strings

Design Three

Design Four

Existing Resources Available:

- Soil
- Fertilizers
- Water
- Plastic bottles
- Wooden poles
- Markers
- Cutters and Pair of scissors
- Coordinator

Additional Resources needed:

- Flower stems
- Paint spray of different colours (blue, green, red, yellow)
- String bundles
- Transport

Project strategic priorities:

- **Environment protection:** The project will strive to recycle plastic bottles from the school environment.
- **Creativity and innovation:** Each class will come up with unique creative designs from plastics.
- **Team Work:** The project will promote teamwork among students as they strive to complete their designs in various groups.
- **Empowerment:** The project will enable a group of students to lead in specific tasks with group leaders for each group.
- **Sense of Responsibility:** Carrying out of respective responsibility will be key for the success of the project. Management of flower gardens requires special care.
- **Gender equity:** The project will strive to promote maximum participation of both female and male students.

Outcomes of the Project:

A positive impact will be created among S.2 students towards environmental protection through recycling of plastics in this project. Students will also learn how vertical flower gardening maximizes space.

Financial resources:

The project will be based on cost sharing, the coordinator will contribute funds for gauze strings, the school will contribute the remaining funding required including flower stems.

Budget Estimate:

S.no	Item	Quantity	Unit cost (UGX)	Total cost (UGX)
1	Paint spray (blue, green, red, yellow)	12 tins	9,000	108,000
2	Gauze strings **(Covered)**	4 bundles	5,000	20,000
3	Flower stems (**Covered**)	-	-	-
4	Fertilizers **(Covered**)	-	-	-
5	Transport	-	30,000	30,000
Total				**158,000**

Total cost for the project: UGX 158,000 (One hundred fifty eight thousand shillings only)