



Youth Sustainability Project  
**GreenLight Bootcamp**  
GreenLight Solutions

# Soil Health Education GreenPaper Summer 2025

## PROJECT TEAM Soil Mate

**Project Lead:** Eve Ebata

**Solutioneers:** Saaya Tanaka | Noe Kato | Riko Hosokawa | Rui Nagao

**Solutioneer Mentor:** Aimee Marcinko

**PROJECT PARTNER:** Urban Farming Education | Joe Roselle

Team Soil Mate designed an outline for youth curriculum on soil health education, empowering Zimbabweans through hands-on learning, agricultural knowledge, and local sustainability—with success measured by curriculum completion, community benefits, and use of local materials.

## CHALLENGES

Student Solutioneers will design ideas for a multi-use community space at Arnold's Farm in Bulawayo, Zimbabwe. Currently, the space is an empty, dirt field.

## SOLUTIONS

The Soil Mate project designed an outline for youth curriculum for soil health education. This project connects students with soil science using local materials and farmer expertise. Hands-on lessons, reflections, and clear goals will help build environmental responsibility and practical skills.

## STRATEGIES

The team described the benefits of a youth soil education program for the local farmers in a presentation. The presentation included guidelines on how to develop the program, including timelines, tools, materials, and local resources needed.

## BENEFITS

### Project Partner

- **Enhanced Local Engagement:** Builds trust and partnership with schools and farmers through hands-on educational initiatives.
- **Sustainable Agriculture Advocacy:** Supports long-term land stewardship and soil conservation practices.
- **Social Impact Visibility:** Positions the partner as a driver of environmental education and youth empowerment, strengthening their public image.

### Solutioneers

- **Practical Skills:** Learned soil health diagnostics, sustainable farming practices, and observation techniques.
- **Scientific Literacy:** Gained foundational knowledge in ecology, biology, and environmental science through experiments and data recording.
- **Empowerment and Agency:** Feel equipped to influence local food systems and environmental practices through knowledge and action.
- **Reflective Thinking:** Built critical thinking by connecting daily life with systemic environmental issues through journaling and reporting.

### Our Community

- **Youth-Led Sustainability:** Cultivates a generation that values and actively maintains healthy ecosystems and farming traditions.
- **Knowledge Sharing:** Enhances dialogue between students, farmers, and local institutions for mutual learning and community resilience.
- **Capable Impact:** Local benefits such as soil health and farmer education create a ripple effect in our society—contributing to national agricultural goals and global sustainability targets.

## OUTCOMES

**8** Steps for Soil Education | **3** Benefits of Curriculum | **10** Local Supplies

[GLSolutions.org](https://GLSolutions.org)



Copyright © 2023, GreenLight Solutions Foundation. All Rights Reserved.