



Youth Sustainability Project

GreenLight Bootcamp

GreenLight Solutions

Furniture Development GreenPaper Summer 2025

PROJECT TEAM Cactus

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PROJECT PARTNER: Urban Farming Education | Joe Roselle

This project designed resources for building sustainable furniture using local materials in Bulawayo, Zimbabwe.

CHALLENGES

Student Solutioneers will design ideas for a multi-use community space at Arnold's Farm in Bulawayo, Zimbabwe. Currently, it's an empty, dirt field. Project Teams reimagined the space to serve Arnold's Farm and the local community. Project Teams created plans and guides to support the Bulawayo community to transform the space.

SOLUTIONS

Create a space where people can come together to build furniture using local materials is a good way to support the community. The space is open for anyone to drop in at any time.

STRATEGIES

We create a step by step guidebook to help the community create furniture from local and sustainable materials in Bulawayo. These materials included mukambati and teak to create chairs, tables, and storage units.

BENEFITS

Project Partner

Research into the guidebook helps to specify what local materials are available and how to design the furniture with the local materials.

Solutioneers

By leading the entire process, from planning and research, to documentation, we gained hands-on experience that will be valuable for our future endeavors. Even though we couldn't visit Zimbabwe in person, we made a conscious effort to adopt a local perspective and aimed to propose proposals rooted in the realities of everyday life. We completed in-depth study of the country's climate, daily life, and commonly used resources.

Our Community

By teaching the community how to develop their own strategies, the process becomes sustainable and renewable. More furniture in the schools will increase motivation for education. Learning standards will increase, and inequality will be reduced. By doing so, it will enable the next generation to be strengthened to their own community.

OUTCOMES

6 local materials | 12 furniture use cases | 6 guidebook pages

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