


Skykight


 Baptiste Faure



https://wiki.lowtechlab.org/wiki/Puits_de_lumi%C3%A8re/en

Dernière modification le 22/10/2019

 Difficulty Very easy

 Duration 30 minute(s)

 Cost 5 EUR (€)

Description

A simple solution that allows you to bring light into a dark space during the day, without electricity.

Summary

Contents

Description

Summary

Introduction

Step 1 - Skylight installation

Notes and references

Comments

Introduction

The majority of slum houses in the world are very dark. This simple system makes it possible to bring the light inside during the day. This innovation installed in the test house of the permaculture center of SERTA (Brazil) is very simple to set up, and requires very little means, the best is to think about the installation before the construction of the roof.



Materials

- a clear plastic bottle
- coating
- chlorine / bleach

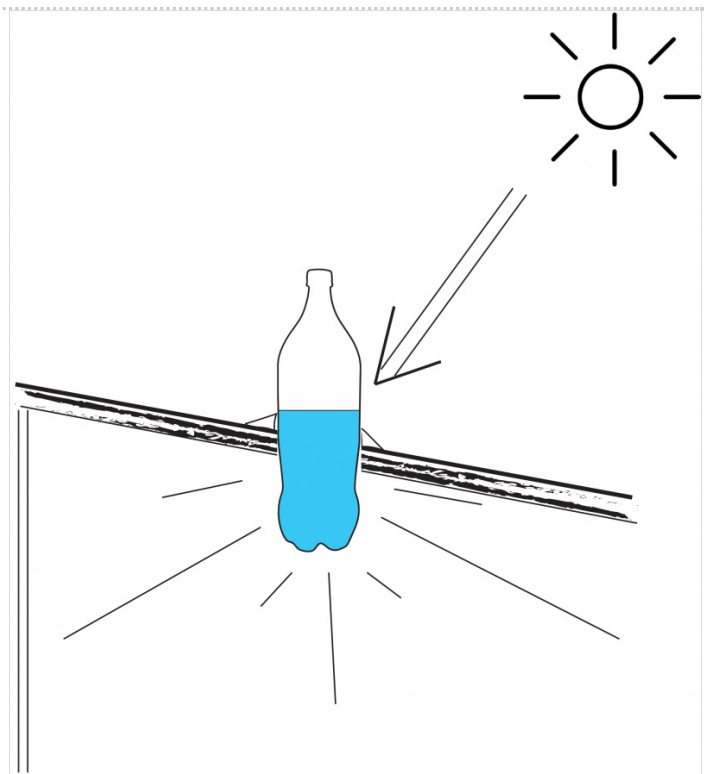
Tools



Step 1 - Skylight installation

The installation has a single step: place the bottle half filled with water and a few drops of bleach or chlorine (to avoid the development of algae) through the roof, neck up, exposed to the sunlight and fix it using the coating.

When exposed to sunlight, the diffraction phenomenon will scatter light throughout the room.



Notes and references

This system is installed at SERTA (Serviço de Tecnologia Alternativa), Brazil

Serta website

The skykight test onboard Nomad of the Seas on Youtube