


# Water Bottle fan

A group of young innovators from six hubs across (Media Organizations) East African Countries of South Sudan, Uganda and Kenya came together for ASKnet Training in Adjumani district of Uganda for 14 days in October, 2019. The training was conducted by r0g Agency for open culture and critical transformation through the financial support from German Federal Ministry for Economic Cooperation and Development.

During the practical part of the training, this group came up with an idea of building a bottle water fan from scratch. Before we started, the team list the materials and tools needed to complete the project, and where collected in one place.

Take your time to pass through all the processes as documented below

 Difficulty **Medium**

 Duration **2 hour(s)**

 Categories **Electronics, Recycling & Upcycling**

 Cost **2 USD (\$)**

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Comments

## Introduction

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### Materials

An empty bottle of water (500ml)

Super glue

Seal tape

Marker pen

Switch

Wires

Mortar

Battery

Soldering wires

<https://github.com/ASKnet-Open-Training/WaterBottleFan>

### Tools

Scissor

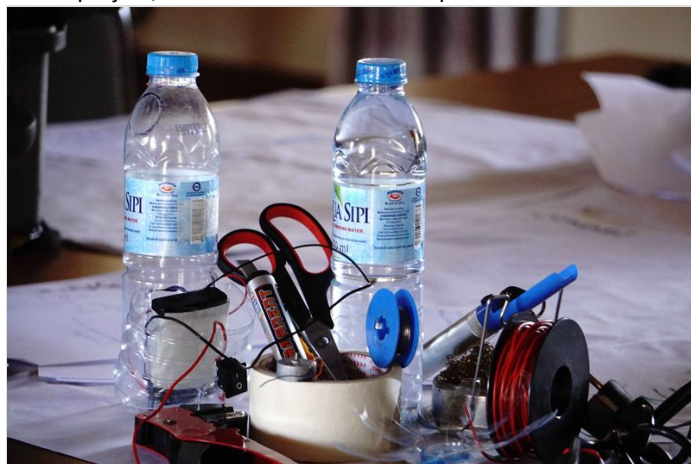
Soldering gun

Multi-Meter

Sucker

## Step 1 - Tools and Materials

Before we started, the team list the materials and tools needed to complete the project, and where collected in one place.



## Step 2 - Two Empty Bottles of water

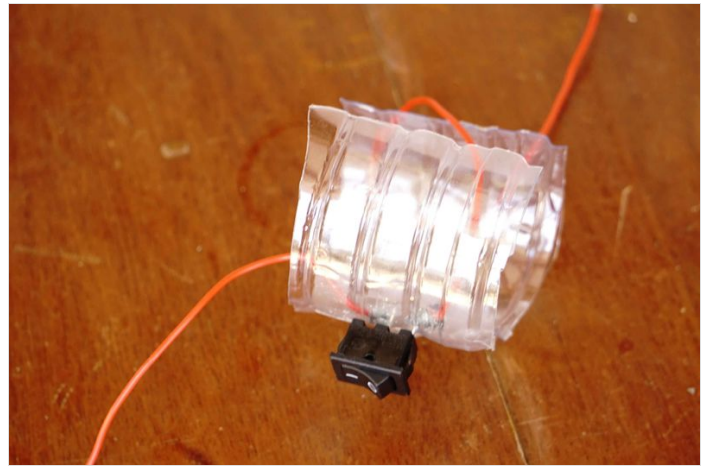
One for erecting the fan and other for making the propeller and switch holder

A hole was cut on a bottle with some water inside to place the mortar on it.



## Step 3 - Switch

There was an idea to put a switch on the fan.  
For switching on and off the fan  
One more bottle was cut and attached with a switch



## Step 4 - Wire

was used for connecting wires



## Step 5 - Soldering gun and soldering wire

Soldering gun for soldering the wire on the switch and soldering wire help in connection, for sealing wire on the switch.



## Step 6 - Supper Glue

Gluing anything on the bottle

