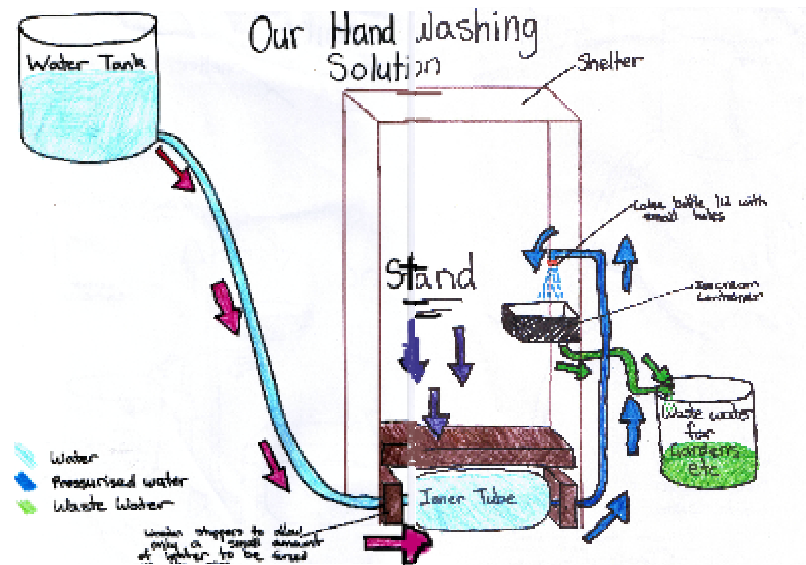


Water for Life Project

By Jessica, Hannah, and Jessica



The Design:

Water is stored in the water tank. Attached to the tank is a pipe. The pipe fills up an inner tube with the water. On top of the inner tube there is a plank of wood. When the wood is stood on, it forces a small amount of water up a second pipe. At the end of the pipe there is a coke bottle lid with small holes in it. The water is forced out of these holes, creating a tap like effect. Waste water is collected in an ice cream container and then disposed of.

A way to wash hands, without water

The Annonaceae Family is a family of flowering plants, concentrated in the tropics. The bark, leaves, and roots of some species are used in folk medicines. Pharmaceutical research has found antifungal, bacteriostatic, and even cytostatic capability derived from the leaves and bark.

Our Solution

Llang-Llang, also known as *Cananga odorata*, is a plant of the Annonaceae family, found in many places throughout the tropics, including the Papuan islands. The people of Papua New Guinea could use this plant as an antibacterial treatment when washing their hands. The leaves can be crushed and boiled to either form a liquid or scrub. The sap, which is colourless and not sticky, could be mixed with coconut milk to form a moisturiser, or just used on its own.