

The clean, green, squeeze bottle

This tap was invented by a Grade 6 learner at Rosebank Junior School. The tap uses a siphon to provide a steady stream of water for hand washing. The tap saves water – you can wash your hands 6-8 times with one litre of water. The bottle is also clean, hygienic and easy to use.

You will need:

- a clean plastic bottle (such as 2 litre coke bottle) and lid
- a thin piece of plastic irrigation pipe about 80cm long (available at R2.50/metre from gardening shops)
- a knife or pair of scissors (to make the holes)
- some prestick

To make the tap:

1. Make a hole through the lid and thread the pipe through the hole.
2. Seal the hole with prestick so it is airtight.
3. Make a second hole in the lid to let in air.
4. Fill the bottle with water and tighten the lid.

To use the tap:

1. Cover the air hole with your finger and squeeze the bottle with your other hand. This forces the water down the pipe. (Figure A)
2. Take your finger off the hole as soon as the water starts flowing.
3. Use soap to wash your hands under the running water.
4. Lift the pipe up to stop the water flowing. (Figure B)
5. Shake the water off your hands or drip dry.
6. You can wash your hands 6-8 times with a litre of water. Refill the bottle when necessary.

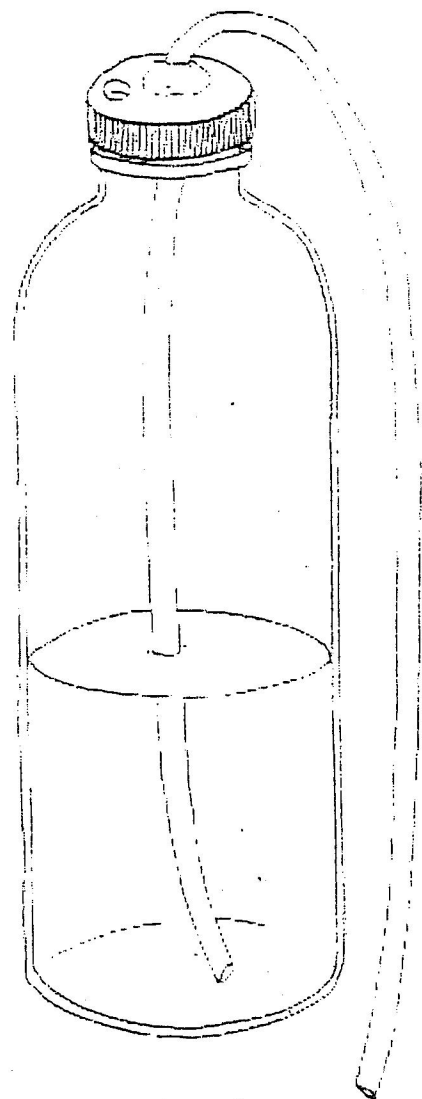


Figure A

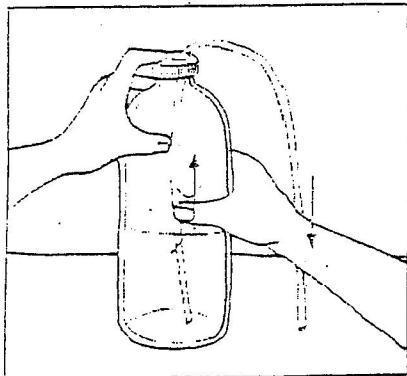


Figure B

