Water for the World

Workshops are delivered by Engineers Without Borders (EWB) volunteers to school and university students across Canada.

Workshops are also available for corporate and community events by contacting W4TW at:

Presented by:

WATER FOR THE WORLD

ENGINEERS WITHOUT BORDERS

Loading

Welcome!

This app supports the purpose of Water for the World Workshops - to introduce the issues surrounding clean drinking water in different parts of the world.

WATER FOR THE WORLD

ENGINEERS WITHOUT BORDERS

Login →

Sign Up →

User name

TestUser

Password

TestPassword

Get Started →

SIGN OUT

Introduction

The Water for the World Workshop introduces participants to the issues of clean water access and how local economy, geography and literacy are all connected. Using this app, you will try to build a water filter to access clean water for yourself!

Clean Water Access

There are nearly 80 billion people in the world.

How many don't have access to clean drinking water in their home?

0 — 8 Billion

Use the slider to place your answer.

User name

TestUser

Email

TestEmail@gmail.com

Password

TestPassword

Sign Up →

Water Filter Building Activity

Many people in the world drink dirty water and get sick or die. Your challenge is to build a water filter is to turn...

Dirty Water → Clean Water

Continue to start the challenge!

Choose a Country

In this section you will be given a set of some money to buy materials for the filter and a set of instructions on how to assemble the filter.

Canada — Ghana

Kuwait — Malawi

South Africa — Kenya

Make **at least two** filters:
- 1 from each list

Click on a country to begin!

Canada

Languages: English, French
Population: >38 million
Life expectancy: 82 years
Median income (CAD$): $27,097
Improved Drinking Water: 99.8% of population
Literacy rate: 99%

Instructions

1. Loosely put a cotton plug in the neck of the cut bottle, then cover the neck of the bottle with a piece of cheese cloth secured with a rubber band.
2. Pour a 1-cm layer of fine sand over the cotton plug, followed by 1-cm of coarse sand, fine gravel, and coarse gravel.
3. Clean the filter by slowly and carefully pouring through 1-litre of clean water (over a bucket).
4. Place the filter over a plastic cup. Now, test your water filter by pouring half of the dirty water through the filter.

Canada - Build Filter

You have **$400** remaining to buy materials.

Choose your materials and build your filter!

Cost of Materials:

Drag (cut/paste) your materials into your filter.

When you are ready, click **next** to test your filter

Canada - Filter Test Station

Your dirty water is now **88%** cleaned!

CONGRATULATIONS
You can drink this water, as it is clean enough to drink :)

Well Done!

Now you have tried to build a filter you will realise how difficult it is for people in sub-Saharan Africa to access to clean water

By now you will be aware of some of the issues around access to clean water in sub-Saharan Africa. Press NEXT to answer questions about the exercise for your teacher or presenter or press skip to end the app.

Skip Questions →

Questions →

Your instructors email address:

Your name:

Your email address:

SUBMIT

Great job!

START OVER

Question 1

How did the money and literacy rate you were given for each affect your ability to build a water filter?

Question 4

What is the most important thing you have learned doing this activity?

Thank you completing these questions press SUBMIT ANSWERS to send these answers to your teacher presenter (requires LOGIN)

SUBMIT