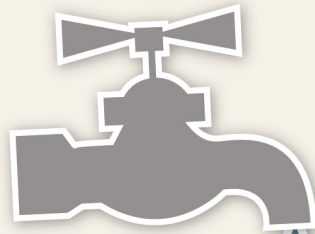


PRIMARY LEVEL



WATER

FOR

EVERYONE

EVERYWHERE

PRINTOUTS

Water for Everyone Everywhere is a hands-on enquiry based workshop that enables pupils to explore the global issues associated with water access and the role that engineering plays in water distribution.



UK

ENGINEERS

WITHOUT BORDERS

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This document and the accompanying materials are available to download from:
www.ewb-uk.org/water-for-everyone-everywhere.

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www.ewb-uk.org



OVERVIEW

Water for Everyone Everywhere is a workshop designed to encourage pupils to explore the global challenges associated with access to safe and clean drinking water around the world. Pupils learn about the importance of water to people’s everyday lives and the role that engineering infrastructure plays in the distribution of water. Pupils design, build and test their own water filter as part of this workshop. This workshop builds on the recent Sustainable Development Goals and the concept of global citizenship.

This document contains the printouts for Engineers Without Borders Ambassadors delivering the workshop. As an ambassador you can suggest that teachers may keep these sheets to stick in pupil exercise books. Teachers and youth group leaders can also use it. It should be used and read in conjunction with the accompanying slides, slide notes and printouts. Please note that this resource is periodically updated. The date of the last update is on the inside front cover.

If you are not a teacher/youth leader, please sign up to become an Engineers Without Borders Ambassador to be able to deliver this resource. Find out more and register here on our [website](#). For any queries, please contact Engineers Without Borders UK directly using the email address: outreach@ewb-uk.org.

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BUILDING A WATER FILTER.....	4
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TABLE OF PRINTOUTS



FOR ACCESS ACTIVITY: WHAT IF I LACK ACCESS TO WATER?	
Water for Everyone Everywhere Build Activity Printouts 'WHAT IF I DON'T HAVE ACCESS TO WATER?'	Print out 1 worksheet per person
FOR BUILD ACTIVITY: MAKE A WATER FILTER	
Water for Everyone Everywhere Build Activity Printouts 'BUILDING A WATER FILTER'	Print out 1 worksheet per group
FOR REFLECTION ACTIVITY: WATER ACCESS ISSUES	
Water for Everyone Everywhere Exploring Access Activity Printouts	Print out 1 set of sheets

WHAT HAPPENS IF I DON'T HAVE ACCESS TO WATER?

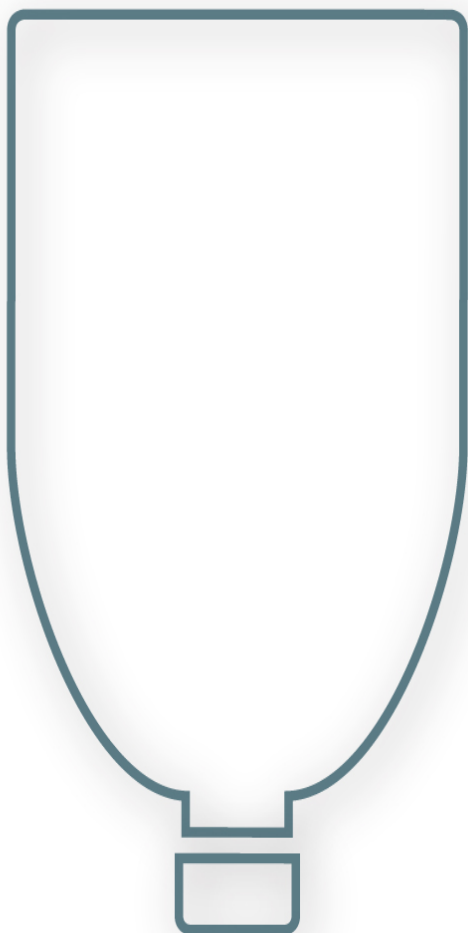
**WHAT HAPPENS IF I DON'T HAVE
ACCESS TO WATER?**

BUILDING A WATER FILTER

Create a labelled sketch of your water filter. Plan the order you will put your filtration materials into the cut-off plastic bottle. Make sure you follow the design checklist.

Design Checklist:	✓
Drawn the filter layers and label the material	
Described the properties of each material	

Remember to think about the direction the contaminated water will flow through the filter and what size physical contaminants you want to filter out first.



Evaluate

1. Rank the dirtiness of the water before passing through the filter:

Very clean 1 2 3 4 5 6 7 8 9 10 Very dirty

2. Rank the dirtiness of the water after passing through the filter:

Very clean 1 2 3 4 5 6 7 8 9 10 Very dirty

3. Describe how you would improve your water filter.

POPULATION GROUP A

1 MILLION PEOPLE



POPULATION GROUP B

5 MILLION PEOPLE

POPULATION GROUP C

500 PEOPLE



POPULATION GROUP D

2 THOUSAND PEOPLE

POPULATION GROUP F

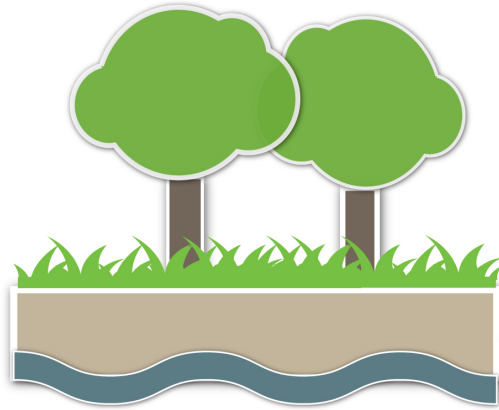
100 THOUSAND PEOPLE



POPULATION GROUP G

750 THOUSAND PEOPLE

GROUND WATER



RAINWATER

