

CAN YOU STOP THE SPREAD?

What is the problem?

Infectious diseases cause death and illness to millions of people each year in the developing world.

What could be a solution?

Providing a way for young children to wash their hands regularly and understand why hand washing is important is one way to reduce the spread of infectious diseases.

Your challenge

Imagine you are working for an international development charity. Your job is to build a hand washing device for children in a primary school in Kenya and help them understand why they should wash their hands.

DROP NO.1

Get organised!

Working together in a team is an important part of your challenge. Decide on different roles e.g. product designer, engineer, researcher and science communicator.

DROP NO.2

Research

Research infectious diseases and how they are spread. Find out about the Global Goals and how they aim to stop the spread of infectious diseases. Take part in fun activities to help your understanding.

DROP NO.3

Design your model

Think about a model that can be used for hand washing. What materials will you use? Try to make your model as sustainable as possible. You will have a budget so be careful not to go over it.

DROP NO.4

Build your model

The best bit! When you start building you may find your design does not work the way you thought it would, or you get a better idea. Don't worry ... just change it.

DROP NO.5

Test and redesign your model

When you think you have a working model it's time to test it. Think about how you could improve it even more and make any changes.

DROP NO.6

Create materials for primary school pupils

Design exciting, interesting materials to persuade primary school children in Kenya to wash their hands. Suggestions include a poster, animation, video, rap, poem or wristbands. The more creative the better.

DROP NO.7

Record and share your work with others

Keep track of your ideas and any decisions you have made as you go along. Present your model and education materials to the rest of the class in a 'Dragons' Den' style.

DROP NO.8

Evaluate the work of others

Watch the other groups present their work. Tell them what you really like. Do you have any suggestions on how they could improve?

