

<p>Nature of Technology</p>	<p>of purpose.</p> <p><i>Characteristics of technology</i></p> <p>* Characteristics of technological outcomes Understand that technological outcomes are recognisable as fit for purpose by the relationship between their physical and functional natures starting with the importance of clean water.</p> <p>* Understand it's only during the last 150 years that people have come to expect safe water in towns and cities.</p>
<p>Health:</p> <p><i>Healthy Communities and Environments</i></p> <p><i>Societal attitudes and values</i></p> <p><i>Rights, responsibilities, and laws; People and the environment</i></p>	<p>Students contribute to healthy communities and environments by taking responsible and critical action.</p> <p><u>LEARNING OUTCOMES</u></p> <p><i>Students will be able to:</i></p> <ul style="list-style-type: none"> • Understand how people's attitudes, values, and actions about sanitation and health education contribute to healthy physical and social environments. • Understand how waterborne diseases are passed from one person to another • Identify how health care and physical activity practices are influenced by community and environmental factors. • Contribute to and use simple guidelines, teaching materials and practices that promote the importance of keeping hands clean leading to physically and socially healthy classrooms, schools, and local environments.
<p>Setting(s):</p>	<p>New Zealand, Papua New Guinea, Kenya</p>
<p>Perspective(s):</p>	<p>Multicultural; Access to resources</p>

ASSESSMENT

Solutions – the hand washing devices that use very little water and accompanying health education - are evaluated by experts from the Oxfam Water for Survival Programme and the feedback put on site.

TEACHING AND LEARNING ACTIVITIES

Starters - the issues/ key attributes:

- School water tanks often only provide half a litre of clean water per student per day.
- Water can only be collected from metal roofs. Some schools have a thatched roof making water collection impossible.
- River water is often contaminated and located a long way from the school. There is very little water to wash hands.
- Very few schools have hand washing facilities and until recently, only a few of the schools had toilets.
- The schools do not collect enough school fees to build enough toilets and hand-washing facilities for students and the government provides little assistance.

- Unfortunately, the high incidence of typhoid and other diseases are a result of the lack of hand washing facilities.
- There are almost no health education materials in the schools.

Students critique student solutions from 2008

<http://www.megabright.co.nz/wara/solutions.html>

Wara Bilong Life Word Search

P N G N I K N I R D
 D I S E A S E F I L
 F L U N R E T S A E
 S A N I T A T I O N
 N O I T A C U D E I
 E N R O B R E T A W
 S T U D E N T S E S
 H I G H L A N D S P

DISEASE
 EDUCATION
 LIFE
 STUDENTS
 WATERBORNE

DRINKING
 FLU
 PNG
 SWINE

EASTERN
 HIGHLANDS
 SANITATION
 WATER

RESOURCES

Teacher resources:

http://www.megabright.co.nz/Wara_Bilong_Life/teacher_resources.html

Student resources:

http://www.megabright.co.nz/Wara_Bilong_Life/student_resources.html